Astrodienst Ephemeris Tables

from the year 450 BCE for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

JANUARY 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 18 9	5♉40'49	1♎32	10♐54	15♐40	22♉35	23♎11	16♒23	25♏13	16♒55	28♐13	1°R11	2♓34	28♒41	n.a.	W 1
T 2	6 22 6	6°41'42	15°23	12° 3	16°55	23°22	23°19	16°30	25°16	16°57	28°15	1♓10	2°31	28°48	n.a.	T 2
F 3	6 26 3	7°42'34	29° 0	13°14	18°10	24° 9	23°27	16°36	25°19	16°59	28°17	1° 8	2°28	28°54	n.a.	F 3
S 4	6 29 59	8°43'25	12♏24	14°27	19°25	24°57	23°34	16°42	25°22	17° 0	28°19	1° 4	2°24	29° 1	n.a.	S 4
S 5	6 33 56	9°44'15	25°35	15°42	20°40	25°44	23°41	16°49	25°25	17° 2	28°21	0°57	2°21	29° 7	n.a.	S 5
M 6	6 37 52	10°45'04	8♐34	16°58	21°55	26°31	23°49	16°55	25°28	17° 4	28°23	0°48	2°18	29°14	n.a.	M 6
T 7	6 41 49	11°45'52	21°21	18°16	23°10	27°18	23°56	17° 2	25°31	17° 6	28°25	0°39	2°15	29°21	n.a.	T 7
W 8	6 45 45	12°46'38	3♉56	19°35	24°24	28° 5	24° 2	17° 9	25°34	17° 8	28°26	0°30	2°12	29°27	n.a.	W 8
T 9	6 49 42	13°47'23	16°19	20°55	25°39	28°52	24° 9	17°15	25°36	17°10	28°28	0°21	2° 9	29°34	n.a.	T 9
F 10	6 53 39	14°48'06	28°30	22°17	26°54	29°40	24°16	17°22	25°39	17°12	28°30	0°15	2° 5	29°41	n.a.	F 10
S 11	6 57 35	15°48'48	10♒31	23°40	28° 9	0♒27	24°22	17°29	25°42	17°14	28°32	0°10	2° 2	29°47	n.a.	S 11
S 12	7 1 32	16°49'28	22°24	25° 4	29°24	1°14	24°28	17°36	25°44	17°16	28°34	0° 8	1°59	29°54	n.a.	S 12
M13	7 5 28	17°50'06	4♓12	26°29	0♉39	2° 1	24°35	17°43	25°47	17°18	28°36	0°D 8	1°56	0♓ 1	n.a.	M13
T 14	7 9 25	18°50'42	15°58	27°55	1°53	2°48	24°41	17°50	25°49	17°20	28°38	0° 9	1°53	0° 7	n.a.	T 14
W15	7 13 21	19°51'16	27°47	29°22	3° 8	3°35	24°46	17°57	25°52	17°22	28°39	0°11	1°49	0°14	n.a.	W15
T 16	7 17 18	20°51'49	9♈43	0♉50	4°23	4°22	24°52	18° 4	25°54	17°24	28°41	0°12	1°46	0°21	n.a.	T 16
F 17	7 21 14	21°52'19	21°53	2°20	5°38	5° 9	24°57	18°11	25°57	17°26	28°43	0°R13	1°43	0°27	n.a.	F 17
S 18	7 25 11	22°52'48	4♉19	3°50	6°52	5°56	25° 3	18°18	25°59	17°28	28°45	0°12	1°40	0°34	n.a.	S 18
S 19	7 29 7	23°53'14	17° 9	5°21	8° 7	6°43	25° 8	18°25	26° 2	17°31	28°47	0°10	1°37	0°41	n.a.	S 19
M20	7 33 4	24°53'39	0♊24	6°53	9°22	7°30	25°13	18°32	26° 4	17°33	28°48	0° 6	1°34	0°47	n.a.	M20
T 21	7 37 1	25°54'01	14° 7	8°26	10°37	8°16	25°18	18°39	26° 6	17°35	28°50	0° 1	1°30	0°54	n.a.	T 21
W22	7 40 57	26°54'21	28°18	10° 0	11°51	9° 3	25°22	18°46	26° 8	17°37	28°52	29♒56	1°27	1° 0	n.a.	W22
T 23	7 44 54	27°54'40	12♋52	11°35	13° 6	9°50	25°27	18°53	26°11	17°39	28°54	29°51	1°24	1° 7	n.a.	T 23
F 24	7 48 50	28°54'56	27°43	13°12	14°21	10°37	25°31	19° 1	26°13	17°41	28°55	29°47	1°21	1°14	n.a.	F 24
S 25	7 52 47	29°55'11	12♌45	14°49	15°35	11°24	25°35	19° 8	26°15	17°43	28°57	29°44	1°18	1°20	n.a.	S 25
S 26	7 56 43	0♒55'24	27°47	16°27	16°50	12°10	25°39	19°15	26°17	17°46	28°59	29°D43	1°15	1°27	n.a.	S 26
M27	8 0 40	1°55'35	12♍41	18° 6	18° 5	12°57	25°43	19°23	26°19	17°48	29° 1	29°44	1°11	1°34	n.a.	M27
T 28	8 4 37	2°55'44	27°20	19°46	19°19	13°44	25°47	19°30	26°21	17°50	29° 2	29°45	1° 8	1°40	n.a.	T 28
W29	8 8 33	3°55'51	11♎41	21°27	20°34	14°30	25°50	19°37	26°23	17°52	29° 4	29°47	1° 5	1°47	n.a.	W29
T 30	8 12 30	4°55'57	25°41	23° 9	21°49	15°17	25°54	19°45	26°25	17°55	29° 6	29°48	1° 2	1°54	n.a.	T 30
F 31	8 16 26	5♒56'01	9♏19	24♉52	23♉ 3	16♒ 3	25♎57	19♒52	26♏27	17♒57	29♐ 7	29°R48	0♓59	2♓ 0	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s38	2s59	2s35	21s30	0n53	22s47	0n11	22s57	1s 8	7s59	1n14	17s50	1s47	19s13	0n 7	16s59	1s 4	26s55	3s10	11s12	10s42	12s25		n.a.
T 2	23 35	9 25	3 34	21 48	0 44	22 57	0 9	22 48	1 7	8 2	1 14	17 48	1 47	19 13	0 7	16 59	1 4	26 55	3 10	11 12	10 43	12 22		n.a.
F 3	23 31	15 18	4 20	22 6	0 35	23 7	0 6	22 40	1 7	8 5	1 14	17 46	1 47	19 14	0 7	16 58	1 4	26 55	3 10	11 13	10 44	12 18		n.a.
S 4	23 28	20 21	4 51	22 24	0 26	23 16	0 3	22 31	1 7	8 7	1 14	17 43	1 47	19 15	0 7	16 57	1 4	26 55	3 11	11 14	10 45	12 15		n.a.
S 5	23 23	24 20	5 5	22 41	0 17	23 24	0 1	22 22	1 7	8 10	1 14	17 41	1 47	19 16	0 7	16 57	1 4	26 55	3 11	11 17	10 46	12 12		n.a.
M 6	23 19	27 1	5 4	22 58	0 9	23 32	0s 2	22 13	1 7	8 12	1 15	17 39	1 46	19 16	0 7	16 56	1 4	26 55	3 11	11 20	10 47	12 9		n.a.
T 7	23 13	28 14	4 47	23 13	0 0	23 39	0 4	22 4	1 7	8 15	1 15	17 37	1 46	19 17	0 7	16 56	1 4	26 55	3 11	11 23	10 49	12 6		n.a.
W 8	23 8	27 58	4 17	23 28	0s 8	23 45	0 7	21 54	1 7	8 17	1 15	17 35	1 46	19 18	0 7	16 55	1 4	26 56	3 11	11 27	10 50	12 2		n.a.
T 9	23 2	26 17	3 34	23 42	0 16	23 50	0 9	21 44	1 7	8 19	1 15	17 33	1 46	19 18	0 7	16 54	1 4	26 56	3 11	11 30	10 51	11 59		n.a.
F 10	22 55	23 23	2 43	23 55	0 24	23 55	0 12	21 34	1 6	8 22	1 15	17 31	1 46	19 19	0 7	16 54	1 4	26 56	3 11	11 32	10 52	11 56		n.a.
S 11	22 48	19 30	1 44	24 7	0 31	23 59	0 14	21 24	1 6	8 24	1 15	17 29	1 46	19 20	0 7	16 53	1 4	26 56	3 11	11 33	10 53	11 53		n.a.
S 12	22 41	14 53	0 42	24 18	0 39	24 2	0 17	21 13	1 6	8 26	1 16	17 27	1 46	19 20	0 7	16 52	1 4	26 56	3 11	11 34	10 54	11 50		n.a.
M13	22 33	9 45	0n22	24 28	0 46	24 4	0 19	21 2	1 6	8 28	1 16	17 24	1 46	19 21	0 7	16 52	1 4	26 56	3 12	11 34	10 55	11 47		n.a.
T 14	22 24	4 18	1 25	24 37	0 53	24 6	0 22	20 51	1 6	8 30	1 16	17 22	1 46	19 21	0 7	16 51	1 4	26 56	3 12	11 34	10 57	11 43		n.a.
W15	22 16	1n19	2 25	24 44	0 59	24 7	0 24	20 40	1 5	8 32	1 16	17 20	1 46	19 22	0 7	16 51	1 4	26 56	3 12	11 33	10 58	11 40		n.a.
T 16	22 7	6 56	3 19	24 50	1 6	24 7	0 26	20 28	1 5	8 34	1 16	17 18	1 46	19 23	0 7	16 50	1 4	26 57	3 12	11 33	10 59	11 37		n.a.
F 17	21 57	12 25	4 5	24 55	1 12	24 7	0 29	20 17	1 5	8 36	1 16	17 16	1 46	19 23	0 7	16 49	1 4	26 57	3 12	11 33	11 0	11 34		n.a.
S 18	21 47	17 31	4 41	24 59	1 17	24 5	0 31	20 5	1 5	8 38	1 17	17 13	1 46	19 24	0 7	16 49	1 4	26 57	3 12	11 33	11 1	11 31		n.a.
S 19	21 37	22 1	5 4	25 1	1 23	24 3	0 33	19 53	1 5	8 40	1 17	17 11	1 46	19 24	0 7	16 48	1 4	26 57	3 12	11 34	11 2	11 27		n.a.
M20	21 26	25 35	5 12	25 2	1 28	24 0	0 36	19 40	1 4	8 41	1 17	17 9	1 46	19 25	0 7	16 47	1 4	26 57	3 12	11 35	11 4	11 24		n.a.
T 21	21 15	27 48	5 3	25 1	1 33	23 57	0 38	19 28	1 4	8 43	1 17	17 7	1 46	19 25	0 7	16 47	1 4	26 57	3 12	11 37	11 5	11 21		n.a.
W22	21 3	28 19	4 35	24 59	1 37	23 53	0 40	19 15	1 4	8 44	1 17	17 4	1 46	19 26	0 7	16 46	1 4	26 57	3 13	11 39	11 6	11 18		n.a.
T 23	20 51	26 55	3 49	24 56	1 42	23 48	0 42	19 2	1 4	8 46	1 17	17 2	1 46	19 27	0 7	16 45	1 4	26 58	3 13	11 40	11 7	11 15		n.a.
F 24	20 39	23 36	2 46	24 50	1 46	23 42	0 44	18 49	1 3	8 47	1 18	17 0	1 46	19 27	0 7	16 45	1 4	26 58	3 13	11 42	11 8	11 11		n.a.
S 25	20 26	18 40	1 32	24 44	1 49	23 36	0 46	18 36	1 3	8 49	1 18	16 57	1 46	19 28	0 7	16 44	1 4	26 58	3 13	11 43	11 9	11 8		n.a.
S 26	20 13	12 34	0 11	24 35	1 52	23 28	0 48	18 22	1 3	8 50	1 18	16 55	1 46	19 28	0 7	16 43	1 4	26 58	3 13	11 43	11 10	11 5		n.a.
M27	19 59	5 48	1s11	24 25	1 55	23 21	0 50	18 9	1 3	8 51	1 18	16 53	1 46	19 29	0 7	16 43	1 4	26 58	3 13	11 43	11 12	11 2		n.a.
T 28	19 46	1s 9	2 26	24 13	1 58	23 12	0 52	17 55	1 2	8 52	1 18	16 50	1 46	19 29	0 7	16 42	1 4	26 58	3 13	11 42	11 13	10 58		n.a.
W29	19 31	7 54	3 31	23 59	2 0	23 3	0 54	17 41	1 2	8 54	1 19	16 48	1 46	19 29	0 7	16 41	1 4	26 58	3 13	11 42	11 14	10 55		n.a.
T 30	19 17	14 6	4 21	23 44	2 2	22 53	0 56	17 27	1 2	8 55	1 19	16 46	1 46	19 30	0 7	16 40	1 4	26 59	3 14	11 41	11 15	10 52		n.a.
F 31	19s 2	19s26	4s55	23s27	2s 3	22s42	0s58	17s12	1s 1	8s56	1n19	16s43	1s46	19s30	0n 7	16s40	1s 4	26s59	3s14	11s41	11s16	10s49		n.a.

Julian Day Number = 1557060.5, Delta T = 04h26m48s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'14, Lahiri = -10°10'14 Julian Calendar 1 Jan. 450 BCE == Greg. Calendar 27 Dec. 451 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

FEBRUARY 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 20 23	6♒56'03	22♏37	26♑37	24♑18	16♒50	26♎ 0	19♒59	26♏28	17♒59	29♐ 9	29°R47	0♓55	2♓ 7	n.a.	S 1
S 2	8 24 19	7°56'04	5♐37	28°22	25°32	17°36	26° 2	20° 7	26°30	18° 1	29°10	29♒45	0°52	2°14	n.a.	S 2
M 3	8 28 16	8°56'03	18°20	0♒ 9	26°47	18°23	26° 5	20°14	26°32	18° 3	29°12	29°42	0°49	2°20	n.a.	M 3
T 4	8 32 12	9°56'00	0♑49	1°56	28° 2	19° 9	26° 7	20°22	26°33	18° 6	29°14	29°39	0°46	2°27	n.a.	T 4
W 5	8 36 9	10°55'56	13° 7	3°45	29°16	19°56	26°10	20°29	26°35	18° 8	29°15	29°36	0°43	2°33	n.a.	W 5
T 6	8 40 6	11°55'49	25°14	5°35	0♒31	20°42	26°12	20°37	26°37	18°10	29°17	29°33	0°40	2°40	n.a.	T 6
F 7	8 44 2	12°55'40	7♒14	7°26	1°45	21°28	26°14	20°44	26°38	18°13	29°18	29°31	0°36	2°47	n.a.	F 7
S 8	8 47 59	13°55'29	19° 7	9°18	3° 0	22°14	26°15	20°52	26°40	18°15	29°20	29°30	0°33	2°53	n.a.	S 8
S 9	8 51 55	14°55'16	0♓56	11°12	4°15	23° 1	26°17	20°59	26°41	18°17	29°21	29°D30	0°30	3° 0	n.a.	S 9
M10	8 55 52	15°55'01	12°42	13° 6	5°29	23°47	26°18	21° 7	26°42	18°19	29°23	29°30	0°27	3° 7	n.a.	M10
T 11	8 59 48	16°54'44	24°30	15° 1	6°44	24°33	26°19	21°14	26°44	18°22	29°24	29°31	0°24	3°13	n.a.	T 11
W12	9 3 45	17°54'24	6♈21	16°58	7°58	25°19	26°20	21°22	26°45	18°24	29°25	29°32	0°21	3°20	n.a.	W12
T 13	9 7 41	18°54'02	18°19	18°55	9°13	26° 5	26°21	21°29	26°46	18°26	29°27	29°33	0°17	3°27	n.a.	T 13
F 14	9 11 38	19°53'38	0♉29	20°54	10°27	26°51	26°21	21°37	26°47	18°28	29°28	29°34	0°14	3°33	n.a.	F 14
S 15	9 15 34	20°53'11	12°54	22°53	11°42	27°37	26°21	21°45	26°48	18°31	29°29	29°35	0°11	3°40	n.a.	S 15
S 16	9 19 31	21°52'42	25°39	24°53	12°56	28°23	26°R22	21°52	26°49	18°33	29°31	29°R35	0° 8	3°47	n.a.	S 16
M17	9 23 28	22°52'11	8♊48	26°53	14°10	29° 9	26°22	22° 0	26°50	18°35	29°32	29°35	0° 5	3°53	n.a.	M17
T 18	9 27 24	23°51'37	22°22	28°54	15°25	29°55	26°21	22° 7	26°51	18°37	29°33	29°34	0° 1	4° 0	n.a.	T 18
W19	9 31 21	24°51'00	6♋24	0♓55	16°39	0♓41	26°21	22°15	26°52	18°40	29°35	29°34	29♒58	4° 7	n.a.	W19
T 20	9 35 17	25°50'22	20°52	2°56	17°54	1°27	26°20	22°22	26°53	18°42	29°36	29°33	29°55	4°13	n.a.	T 20
F 21	9 39 14	26°49'41	5♌43	4°57	19° 8	2°12	26°20	22°30	26°54	18°44	29°37	29°33	29°52	4°20	n.a.	F 21
S 22	9 43 10	27°48'57	20°49	6°57	20°22	2°58	26°19	22°37	26°55	18°47	29°38	29°33	29°49	4°26	n.a.	S 22
S 23	9 47 7	28°48'12	6♍ 2	8°56	21°37	3°44	26°17	22°45	26°55	18°49	29°39	29°D33	29°46	4°33	n.a.	S 23
M24	9 51 3	29°47'24	21°12	10°54	22°51	4°29	26°16	22°53	26°56	18°51	29°41	29°R33	29°42	4°40	n.a.	M24
T 25	9 55 0	0♓46'34	6♎11	12°51	24° 5	5°15	26°15	23° 0	26°56	18°53	29°42	29°33	29°39	4°46	n.a.	T 25
W26	9 58 57	1°45'42	20°50	14°46	25°20	6° 0	26°13	23° 8	26°57	18°55	29°43	29°32	29°36	4°53	n.a.	W26
T 27	10 2 53	2°44'48	5♏ 5	16°38	26°34	6°46	26°11	23°15	26°57	18°58	29°44	29°32	29°33	5° 0	n.a.	T 27
F 28	10 6 50	3♓43'53	18♏54	18♓27	27♒48	7♓31	26♎ 9	23♒23	26♏58	19♒ 0	29♐45	29♒32	29♒30	5♓ 6	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s47	23s42	5s13	23s 8	2s 4	22s31	0s59	16s58	1s 1	8s56	1n19	16s41	1s46	19s31	0n 7	16s39	1s 4	26s59	3s14	11s42	11s17	10s45		n.a.
S 2	18 31	26 39	5 13	22 47	2 4	22 19	1 1	16 43	1 1	8 57	1 19	16 38	1 46	19 31	0 7	16 38	1 4	26 59	3 14	11 42	11 18	10 42		n.a.
M 3	18 16	28 11	4 59	22 24	2 4	22 6	1 3	16 28	1 1	8 58	1 19	16 36	1 46	19 32	0 7	16 38	1 4	26 59	3 14	11 43	11 20	10 39		n.a.
T 4	17 59	28 15	4 30	22 0	2 4	21 53	1 4	16 14	1 0	8 59	1 20	16 34	1 46	19 32	0 7	16 37	1 4	26 59	3 14	11 44	11 21	10 36		n.a.
W 5	17 43	26 54	3 49	21 33	2 3	21 39	1 6	15 58	1 0	8 59	1 20	16 31	1 46	19 32	0 7	16 36	1 4	26 59	3 14	11 46	11 22	10 33		n.a.
T 6	17 26	24 17	2 58	21 5	2 1	21 24	1 7	15 43	1 0	9 0	1 20	16 29	1 46	19 33	0 7	16 36	1 4	27 0	3 15	11 47	11 23	10 29		n.a.
F 7	17 9	20 38	2 0	20 34	1 59	21 9	1 9	15 28	0 59	9 1	1 20	16 26	1 46	19 33	0 7	16 35	1 4	27 0	3 15	11 47	11 24	10 26		n.a.
S 8	16 52	16 11	0 57	20 2	1 57	20 53	1 10	15 12	0 59	9 1	1 20	16 24	1 46	19 33	0 7	16 34	1 4	27 0	3 15	11 48	11 25	10 23		n.a.
S 9	16 34	11 10	0n 8	19 28	1 54	20 36	1 12	14 57	0 59	9 1	1 21	16 22	1 46	19 34	0 7	16 33	1 4	27 0	3 15	11 48	11 26	10 20		n.a.
M10	16 16	5 46	1 13	18 52	1 50	20 19	1 13	14 41	0 58	9 2	1 21	16 19	1 46	19 34	0 7	16 33	1 4	27 0	3 15	11 48	11 28	10 16		n.a.
T 11	15 58	0 10	2 14	18 14	1 46	20 2	1 14	14 25	0 58	9 2	1 21	16 17	1 46	19 34	0 6	16 32	1 4	27 0	3 15	11 47	11 29	10 13		n.a.
W12	15 40	5n28	3 11	17 34	1 41	19 43	1 15	14 9	0 57	9 2	1 21	16 14	1 46	19 35	0 6	16 31	1 4	27 1	3 15	11 47	11 30	10 10		n.a.
T 13	15 21	10 57	3 59	16 52	1 36	19 25	1 16	13 53	0 57	9 2	1 21	16 12	1 46	19 35	0 6	16 31	1 4	27 1	3 16	11 47	11 31	10 7		n.a.
F 14	15 2	16 7	4 38	16 8	1 30	19 5	1 17	13 37	0 57	9 2	1 21	16 9	1 46	19 35	0 6	16 30	1 4	27 1	3 16	11 46	11 32	10 3		n.a.
S 15	14 43	20 44	5 4	15 23	1 24	18 45	1 18	13 20	0 56	9 2	1 22	16 7	1 46	19 36	0 6	16 29	1 4	27 1	3 16	11 46	11 33	10 0		n.a.
S 16	14 24	24 33	5 17	14 36	1 17	18 25	1 19	13 4	0 56	9 2	1 22	16 5	1 46	19 36	0 6	16 29	1 4	27 1	3 16	11 46	11 34	9 57		n.a.
M17	14 4	27 13	5 14	13 48	1 9	18 4	1 20	12 47	0 56	9 2	1 22	16 2	1 47	19 36	0 6	16 28	1 4	27 1	3 16	11 46	11 35	9 54		n.a.
T 18	13 44	28 24	4 53	12 57	1 1	17 43	1 21	12 30	0 55	9 2	1 22	16 0	1 47	19 36	0 6	16 27	1 4	27 1	3 16	11 46	11 37	9 50		n.a.
W19	13 24	27 50	4 15	12 6	0 52	17 21	1 22	12 14	0 55	9 1	1 22	15 57	1 47	19 36	0 6	16 26	1 4	27 2	3 17	11 46	11 38	9 47		n.a.
T 20	13 4	25 23	3 19	11 13	0 43	16 58	1 22	11 57	0 54	9 1	1 23	15 55	1 47	19 37	0 6	16 26	1 4	27 2	3 17	11 47	11 39	9 44		n.a.
F 21	12 44	21 10	2 9	10 20	0 33	16 35	1 23	11 40	0 54	9 0	1 23	15 52	1 47	19 37	0 6	16 25	1 4	27 2	3 17	11 47	11 40	9 40		n.a.
S 22	12 23	15 30	0 48	9 25	0 22	16 12	1 23	11 23	0 54	9 0	1 23	15 50	1 47	19 37	0 6	16 24	1 4	27 2	3 17	11 47	11 41	9 37		n.a.
S 23	12 3	8 52	0s36	8 30	0 12	15 48	1 24	11 6	0 53	8 59	1 23	15 47	1 47	19 37	0 6	16 24	1 4	27 2	3 17	11 47	11 42	9 34		n.a.
M24	11 42	1 44	1 58	7 35	0 0	15 24	1 24	10 48	0 53	8 59	1 23	15 45	1 47	19 37	0 6	16 23	1 4	27 2	3 17	11 47	11 43	9 31		n.a.
T 25	11 20	5s23	3 10	6 39	0n11	15 0	1 25	10 31	0 52	8 58	1 23	15 43	1 47	19 37	0 6	16 22	1 4	27 3	3 18	11 47	11 44	9 27		n.a.
W26	10 59	12 4	4 8	5 43	0 23	14 35	1 25	10 14	0 52	8 57	1 24	15 40	1 47	19 38	0 6	16 22	1 4	27 3	3 18	11 47	11 46	9 24		n.a.
T 27	10 38	17 55	4 49	4 48	0 35	14 9	1 25	9 56	0 51	8 56	1 24	15 38	1 47	19 38	0 6	16 21	1 4	27 3	3 18	11 47	11 47	9 21		n.a.
F 28	10s16	22s40	5s12	3s54	0n47	13s43	1s25	9s39	0s51	8s55	1n24	15s35	1s47	19s38	0n 6	16s20	1s 4	27s 3	3s18	11s47	11s48	9s18		n.a.

Julian Day Number = 1557091.5, Delta T = 04h26m47s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'10, Lahiri = -10°10'09 Julian Calendar 1 Feb. 450 BCE == Greg. Calendar 27 Jan. 450 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

MARCH 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 10 46	4♓42'55	2♐16	20♓14	29♒ 3	8♓17	26°R 7	23♒30	26♏58	19♒ 2	29♐46	29°D32	29♒27	5♓13	n.a.	S 1
S 2	10 14 43	5°41'56	15°15	21°56	0♓17	9° 2	26♎ 4	23°37	26°59	19° 4	29°47	29♒32	29°23	5°20	n.a.	S 2
M 3	10 18 39	6°40'55	27°52	23°35	1°31	9°47	26° 2	23°45	26°59	19° 7	29°48	29°32	29°20	5°26	n.a.	M 3
T 4	10 22 36	7°39'52	10♑13	25°10	2°46	10°32	25°59	23°52	26°59	19° 9	29°49	29°33	29°17	5°33	n.a.	T 4
W 5	10 26 32	8°38'47	22°20	26°40	4° 0	11°18	25°56	24° 0	26°59	19°11	29°50	29°34	29°14	5°40	n.a.	W 5
T 6	10 30 29	9°37'40	4♒17	28° 5	5°14	12° 3	25°53	24° 7	26°59	19°13	29°51	29°35	29°11	5°46	n.a.	T 6
F 7	10 34 26	10°36'32	16° 8	29°25	6°28	12°48	25°49	24°15	26°59	19°15	29°52	29°35	29° 7	5°53	n.a.	F 7
S 8	10 38 22	11°35'21	27°56	0♈40	7°43	13°33	25°46	24°22	26°R59	19°17	29°52	29°R36	29° 4	6° 0	n.a.	S 8
S 9	10 42 19	12°34'08	9♓42	1°49	8°57	14°18	25°42	24°29	26°59	19°19	29°53	29°36	29° 1	6° 6	n.a.	S 9
M10	10 46 15	13°32'53	21°31	2°52	10°11	15° 3	25°38	24°37	26°59	19°22	29°54	29°35	28°58	6°13	n.a.	M10
T 11	10 50 12	14°31'36	3♈23	3°50	11°25	15°48	25°34	24°44	26°59	19°24	29°55	29°33	28°55	6°19	n.a.	T 11
W12	10 54 8	15°30'16	15°20	4°41	12°39	16°33	25°30	24°51	26°59	19°26	29°55	29°31	28°52	6°26	n.a.	W12
T 13	10 58 5	16°28'55	27°26	5°27	13°53	17°17	25°26	24°58	26°59	19°28	29°56	29°28	28°48	6°33	n.a.	T 13
F 14	11 2 1	17°27'31	9♉42	6° 6	15° 8	18° 2	25°21	25° 6	26°58	19°30	29°57	29°26	28°45	6°39	n.a.	F 14
S 15	11 5 58	18°26'05	22°12	6°39	16°22	18°47	25°16	25°13	26°58	19°32	29°58	29°23	28°42	6°46	n.a.	S 15
S 16	11 9 54	19°24'37	4♊57	7° 6	17°36	19°32	25°12	25°20	26°58	19°34	29°58	29°22	28°39	6°53	n.a.	S 16
M17	11 13 51	20°23'07	18° 2	7°26	18°50	20°16	25° 7	25°27	26°57	19°36	29°59	29°D21	28°36	6°59	n.a.	M17
T 18	11 17 48	21°21'34	1♋29	7°40	20° 4	21° 1	25° 2	25°34	26°57	19°38	29°59	29°21	28°32	7° 6	n.a.	T 18
W19	11 21 44	22°19'59	15°19	7°49	21°18	21°45	24°56	25°41	26°56	19°40	29°59	29°22	28°29	7°13	n.a.	W19
T 20	11 25 41	23°18'22	29°33	7°R51	22°32	22°30	24°51	25°48	26°56	19°42	0♑ 0	29°24	28°26	7°19	n.a.	T 20
F 21	11 29 37	24°16'43	14♌ 9	7°47	23°46	23°14	24°45	25°55	26°55	19°44	0° 1	29°25	28°23	7°26	n.a.	F 21
S 22	11 33 34	25°15'01	29° 4	7°38	25° 0	23°58	24°40	26° 2	26°54	19°46	0° 1	29°R26	28°20	7°33	n.a.	S 22
S 23	11 37 30	26°13'17	14♍10	7°24	26°14	24°43	24°34	26° 9	26°53	19°48	0° 2	29°25	28°17	7°39	n.a.	S 23
M24	11 41 27	27°11'31	29°20	7° 4	27°28	25°27	24°28	26°16	26°53	19°50	0° 2	29°23	28°13	7°46	n.a.	M24
T 25	11 45 23	28° 9'44	14♎24	6°40	28°42	26°11	24°22	26°23	26°52	19°52	0° 3	29°20	28°10	7°52	n.a.	T 25
W26	11 49 20	29° 7'54	29°12	6°12	29°56	26°55	24°16	26°29	26°51	19°53	0° 3	29°16	28° 7	7°59	n.a.	W26
T 27	11 53 16	0♈ 6'03	13♏38	5°41	1♈10	27°39	24°10	26°36	26°50	19°55	0° 3	29°11	28° 4	8° 6	n.a.	T 27
F 28	11 57 13	1° 4'10	27°37	5° 7	2°24	28°23	24° 3	26°43	26°49	19°57	0° 4	29° 7	28° 1	8°12	n.a.	F 28
S 29	12 1 10	2° 2'16	11♐ 8	4°31	3°38	29° 7	23°57	26°50	26°48	19°59	0° 4	29° 4	27°58	8°19	n.a.	S 29
S 30	12 5 6	3° 0'21	24°11	3°53	4°52	29°51	23°50	26°56	26°47	20° 1	0° 4	29° 3	27°54	8°26	n.a.	S 30
M31	12 9 3	3♈58'23	6♑50	3♈14	6♈ 6	0♈35	23♎43	27♒ 3	26♏46	20♒ 3	0♑ 4	29°D 2	27♒51	8♓32	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s54	26s 4	5s17	3s 0	1n 0	13s17	1s26	9s21	0s51	8s54	1n24	15s33	1s47	19s38	0n 6	16s19	1s 4	27s 3	3s18	11s47	11s49	9s14		n.a.
S 2	9 32	27 59	5 6	2 8	1 12	12 51	1 26	9 4	0 50	8 53	1 24	15 30	1 47	19 38	0 6	16 19	1 4	27 4	3 18	11 47	11 50	9 11		n.a.
M 3	9 10	28 24	4 40	1 18	1 24	12 24	1 26	8 46	0 50	8 52	1 24	15 28	1 48	19 38	0 6	16 18	1 4	27 4	3 19	11 47	11 51	9 8		n.a.
T 4	8 48	27 22	4 1	0 29	1 36	11 57	1 25	8 28	0 49	8 51	1 24	15 26	1 48	19 38	0 6	16 17	1 4	27 4	3 19	11 47	11 52	9 4		n.a.
W 5	8 26	25 2	3 13	0n18	1 48	11 30	1 25	8 10	0 49	8 50	1 25	15 23	1 48	19 38	0 6	16 17	1 4	27 4	3 19	11 46	11 53	9 1		n.a.
T 6	8 4	21 38	2 16	1 3	1 59	11 2	1 25	7 52	0 48	8 49	1 25	15 21	1 48	19 38	0 6	16 16	1 4	27 4	3 19	11 46	11 55	8 58		n.a.
F 7	7 41	17 23	1 14	1 45	2 10	10 34	1 25	7 35	0 48	8 47	1 25	15 18	1 48	19 38	0 6	16 15	1 4	27 4	3 19	11 46	11 56	8 55		n.a.
S 8	7 19	12 30	0 9	2 24	2 20	10 5	1 24	7 17	0 47	8 46	1 25	15 16	1 48	19 38	0 6	16 15	1 4	27 5	3 19	11 46	11 57	8 51		n.a.
S 9	6 56	7 10	0n56	3 1	2 30	9 37	1 24	6 59	0 47	8 44	1 25	15 14	1 48	19 38	0 6	16 14	1 4	27 5	3 20	11 46	11 58	8 48		n.a.
M10	6 33	1 36	1 59	3 34	2 38	9 8	1 24	6 41	0 46	8 43	1 25	15 11	1 48	19 38	0 6	16 13	1 4	27 5	3 20	11 46	11 59	8 45		n.a.
T 11	6 10	4n 3	2 56	4 5	2 46	8 39	1 23	6 23	0 46	8 41	1 25	15 9	1 48	19 38	0 6	16 13	1 4	27 5	3 20	11 47	12 0	8 41		n.a.
W12	5 47	9 36	3 47	4 32	2 54	8 10	1 23	6 4	0 45	8 40	1 26	15 6	1 48	19 38	0 6	16 12	1 4	27 5	3 20	11 47	12 1	8 38		n.a.
T 13	5 24	14 51	4 28	4 56	3 0	7 40	1 22	5 46	0 45	8 38	1 26	15 4	1 49	19 38	0 6	16 12	1 4	27 5	3 20	11 48	12 2	8 35		n.a.
F 14	5 1	19 36	4 57	5 17	3 5	7 11	1 21	5 28	0 44	8 36	1 26	15 2	1 49	19 38	0 6	16 11	1 4	27 6	3 20	11 49	12 4	8 32		n.a.
S 15	4 38	23 35	5 13	5 34	3 9	6 41	1 20	5 10	0 44	8 34	1 26	14 59	1 49	19 38	0 6	16 10	1 4	27 6	3 21	11 50	12 5	8 28		n.a.
S 16	4 15	26 33	5 14	5 47	3 12	6 11	1 20	4 52	0 43	8 32	1 26	14 57	1 49	19 38	0 6	16 10	1 4	27 6	3 21	11 51	12 6	8 25		n.a.
M17	3 51	28 10	4 59	5 57	3 14	5 41	1 19	4 34	0 43	8 31	1 26	14 55	1 49	19 38	0 6	16 9	1 4	27 6	3 21	11 51	12 7	8 22		n.a.
T 18	3 28	28 12	4 27	6 4	3 15	5 10	1 18	4 15	0 42	8 29	1 26	14 52	1 49	19 38	0 6	16 8	1 5	27 6	3 21	11 51	12 8	8 18		n.a.
W19	3 5	26 30	3 40	6 6	3 14	4 40	1 17	3 57	0 42	8 27	1 26	14 50	1 49	19 37	0 6	16 8	1 5	27 6	3 21	11 50	12 9	8 15		n.a.
T 20	2 41	23 4	2 37	6 5	3 12	4 9	1 16	3 39	0 41	8 24	1 26	14 48	1 49	19 37	0 6	16 7	1 5	27 7	3 22	11 50	12 10	8 12		n.a.
F 21	2 18	18 7	1 23	6 1	3 9	3 39	1 15	3 21	0 41	8 22	1 26	14 45	1 50	19 37	0 6	16 7	1 5	27 7	3 22	11 50	12 11	8 8		n.a.
S 22	1 55	11 59	0 2	5 53	3 4	3 8	1 13	3 2	0 40	8 20	1 27	14 43	1 50	19 37	0 6	16 6	1 5	27 7	3 22	11 49	12 13	8 5		n.a.
S 23	1 31	5 4	1s20	5 41	2 58	2 37	1 12	2 44	0 40	8 18	1 27	14 41	1 50	19 37	0 6	16 5	1 5	27 7	3 22	11 50	12 14	8 2		n.a.
M24	1 8	2s 8	2 37	5 26	2 50	2 6	1 11	2 26	0 39	8 16	1 27	14 39	1 50	19 37	0 6	16 5	1 5	27 7	3 22	11 50	12 15	7 59		n.a.
T 25	0 44	9 9	3 42	5 9	2 41	1 35	1 10	2 8	0 39	8 13	1 27	14 36	1 50	19 37	0 6	16 4	1 5	27 8	3 22	11 51	12 16	7 55		n.a.
W26	0 21	15 33	4 31	4 48	2 31	1 4	1 8	1 50	0 38	8 11	1 27	14 34	1 50	19 36	0 6	16 4	1 5	27 8	3 23	11 53	12 17	7 52		n.a.
T 27	0n 2	20 55	5 2	4 25	2 19	0 33	1 7	1 31	0 38	8 9	1 27	14 32	1 50	19 36	0 6	16 3	1 5	27 8	3 23	11 54	12 18	7 49		n.a.
F 28	0 26	24 57	5 13	3 59	2 7	0 2	1 5	1 13	0 37	8 6	1 27	14 30	1 50	19 36	0 6	16 3	1 5	27 8	3 23	11 56	12 19	7 45		n.a.
S 29	0 49	27 27	5 6	3 32	1 53	0n29	1 4	0 55	0 37	8 4	1 27	14 28	1 51	19 36	0 6	16 2	1 5	27 8	3 23	11 57	12 20	7 42		n.a.
S 30	1 13	28 21	4 44	3 4	1 38	1 1	1 2	0 37	0 36	8 1	1 27	14 26	1 51	19 35	0 6	16 2	1 5	27 8	3 23	11 57	12 21	7 39		n.a.
M31	1n36	27s42	4s 8	2n34	1n23	1n32	1s 1	0s19	0s36	7s59	1n27	14s23	1s51	19s35	0n 6	16s 1	1s 5	27s 9	3s24	11s58	12s23	7s35		n.a.

Julian Day Number = 1557119.5, Delta T = 04h26m46s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'06, Lahiri = -10°10'05 Julian Calendar 1 March 450 BCE == Greg. Calendar 24 Feb. 450 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

APRIL 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 12 59	4♈56'25	19♉ 9	2°R35	7♈20	1♈19	23°R37	27♒ 9	26°R45	20♒ 4	0♉ 4	29♒ 3	27♒48	8♓39	n.a.	T 1
W 2	12 16 56	5°54'25	1♒13	1♈57	8°34	2° 3	23♎30	27°16	26♏43	20° 6	0° 5	29° 5	27°45	8°46	n.a.	W 2
T 3	12 20 52	6°52'23	13° 6	1°20	9°48	2°46	23°23	27°22	26°42	20° 8	0° 5	29° 6	27°42	8°52	n.a.	T 3
F 4	12 24 49	7°50'20	24°54	0°45	11° 2	3°30	23°16	27°29	26°41	20° 9	0° 5	29°R 7	27°38	8°59	n.a.	F 4
S 5	12 28 45	8°48'15	6♓40	0°12	12°15	4°14	23° 9	27°35	26°40	20°11	0° 5	29° 7	27°35	9° 6	n.a.	S 5
S 6	12 32 42	9°46'09	18°28	29♓42	13°29	4°57	23° 1	27°41	26°38	20°13	0° 5	29° 5	27°32	9°12	n.a.	S 6
M 7	12 36 39	10°44'01	0♈20	29°16	14°43	5°41	22°54	27°48	26°37	20°14	0°R 5	29° 1	27°29	9°19	n.a.	M 7
T 8	12 40 35	11°41'51	12°20	28°53	15°57	6°24	22°47	27°54	26°35	20°16	0° 5	28°55	27°26	9°26	n.a.	T 8
W 9	12 44 32	12°39'40	24°28	28°34	17°11	7° 8	22°39	28° 0	26°34	20°17	0° 5	28°48	27°23	9°32	n.a.	W 9
T 10	12 48 28	13°37'28	6♉47	28°20	18°25	7°51	22°32	28° 6	26°32	20°19	0° 5	28°40	27°19	9°39	n.a.	T 10
F 11	12 52 25	14°35'14	19°16	28° 9	19°38	8°34	22°25	28°12	26°31	20°20	0° 5	28°32	27°16	9°46	n.a.	F 11
S 12	12 56 21	15°32'58	1♊58	28° 4	20°52	9°17	22°17	28°18	26°29	20°22	0° 5	28°25	27°13	9°52	n.a.	S 12
S 13	13 0 18	16°30'41	14°53	28°D 3	22° 6	10° 1	22° 9	28°24	26°27	20°23	0° 4	28°19	27°10	9°59	n.a.	S 13
M14	13 4 14	17°28'22	28° 3	28° 6	23°20	10°44	22° 2	28°30	26°26	20°25	0° 4	28°15	27° 7	10° 5	n.a.	M14
T 15	13 8 11	18°26'01	11♋28	28°14	24°33	11°27	21°54	28°36	26°24	20°26	0° 4	28°13	27° 4	10°12	n.a.	T 15
W16	13 12 8	19°23'38	25°11	28°27	25°47	12°10	21°47	28°41	26°22	20°28	0° 4	28°D13	27° 0	10°19	n.a.	W16
T 17	13 16 4	20°21'14	9♌13	28°44	27° 1	12°53	21°39	28°47	26°21	20°29	0° 4	28°14	26°57	10°25	n.a.	T 17
F 18	13 20 1	21°18'48	23°32	29° 6	28°15	13°36	21°31	28°53	26°19	20°30	0° 3	28°R15	26°54	10°32	n.a.	F 18
S 19	13 23 57	22°16'21	8♍ 8	29°32	29°28	14°19	21°24	28°58	26°17	20°32	0° 3	28°15	26°51	10°39	n.a.	S 19
S 20	13 27 54	23°13'52	22°56	0♈ 2	0♉42	15° 2	21°16	29° 4	26°15	20°33	0° 3	28°12	26°48	10°45	n.a.	S 20
M21	13 31 50	24°11'21	7♎50	0°36	1°56	15°44	21° 9	29° 9	26°13	20°34	0° 2	28° 8	26°44	10°52	n.a.	M21
T 22	13 35 47	25° 8'49	22°42	1°14	3° 9	16°27	21° 1	29°14	26°11	20°35	0° 2	28° 1	26°41	10°59	n.a.	T 22
W23	13 39 43	26° 6'16	7♏25	1°56	4°23	17°10	20°53	29°20	26° 9	20°37	0° 1	27°53	26°38	11° 5	n.a.	W23
T 24	13 43 40	27° 3'42	21°49	2°42	5°37	17°52	20°46	29°25	26° 7	20°38	0° 1	27°44	26°35	11°12	n.a.	T 24
F 25	13 47 37	28° 1'07	5♐49	3°31	6°50	18°35	20°38	29°30	26° 5	20°39	0° 0	27°35	26°32	11°19	n.a.	F 25
S 26	13 51 33	28°58'31	19°23	4°24	8° 4	19°17	20°31	29°35	26° 3	20°40	29♐59	27°27	26°29	11°25	n.a.	S 26
S 27	13 55 30	29°55'54	2♑30	5°20	9°17	20° 0	20°23	29°40	26° 1	20°41	29°59	27°22	26°25	11°32	n.a.	S 27
M28	13 59 26	0♉53'16	15°12	6°20	10°31	20°42	20°16	29°45	25°59	20°42	29°59	27°19	26°22	11°39	n.a.	M28
T 29	14 3 23	1°50'38	27°33	7°23	11°45	21°25	20° 8	29°50	25°57	20°43	29°58	27°D17	26°19	11°45	n.a.	T 29
W30	14 7 19	2♉47'59	9♒37	8♈29	12♉58	22♈ 7	20♎ 1	29♒55	25♏55	20♒44	29♐58	27♒18	26♒16	11♓52	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1n59	25s41	3s21	2n 4	1n 7	2n 3	0s59	0s 0	0s35	7s56	1n27	14s21	1s51	19s35	0n 6	16s 0	1s 5	27s 9	3s24	11s57	12s24	7s32		n.a.
W 2	2 23	22 32	2 27	1 33	0 50	2 34	0 57	0n18	0 35	7 54	1 27	14 19	1 51	19 35	0 6	16 0	1 5	27 9	3 24	11 57	12 25	7 29		n.a.
T 3	2 46	18 29	1 26	1 3	0 34	3 5	0 55	0 36	0 34	7 51	1 27	14 17	1 51	19 34	0 6	15 59	1 5	27 9	3 24	11 56	12 26	7 25		n.a.
F 4	3 9	13 45	0 23	0 33	0 17	3 36	0 54	0 54	0 33	7 48	1 27	14 15	1 52	19 34	0 6	15 59	1 5	27 9	3 24	11 56	12 27	7 22		n.a.
S 5	3 32	8 33	0n41	0 5	0s 0	4 7	0 52	1 12	0 33	7 46	1 27	14 13	1 52	19 34	0 6	15 58	1 5	27 10	3 24	11 56	12 28	7 19		n.a.
S 6	3 55	3 3	1 43	0s23	0 17	4 38	0 50	1 30	0 32	7 43	1 27	14 11	1 52	19 33	0 6	15 58	1 5	27 10	3 25	11 57	12 29	7 15		n.a.
M 7	4 18	2n36	2 41	0 48	0 33	5 8	0 48	1 48	0 32	7 40	1 27	14 9	1 52	19 33	0 6	15 57	1 5	27 10	3 25	11 58	12 30	7 12		n.a.
T 8	4 41	8 11	3 33	1 12	0 49	5 39	0 46	2 6	0 31	7 38	1 27	14 7	1 52	19 33	0 6	15 57	1 5	27 10	3 25	12 0	12 31	7 9		n.a.
W 9	5 4	13 33	4 15	1 33	1 4	6 9	0 44	2 24	0 31	7 35	1 27	14 5	1 52	19 32	0 6	15 57	1 5	27 10	3 25	12 3	12 32	7 5		n.a.
T 10	5 27	18 27	4 46	1 53	1 19	6 40	0 42	2 42	0 30	7 32	1 27	14 3	1 53	19 32	0 6	15 56	1 5	27 10	3 25	12 5	12 34	7 2		n.a.
F 11	5 49	22 38	5 4	2 10	1 33	7 10	0 40	2 59	0 29	7 29	1 27	14 1	1 53	19 32	0 6	15 56	1 5	27 11	3 26	12 8	12 35	6 59		n.a.
S 12	6 12	25 50	5 7	2 24	1 46	7 40	0 38	3 17	0 29	7 27	1 27	13 59	1 53	19 31	0 6	15 55	1 5	27 11	3 26	12 11	12 36	6 55		n.a.
S 13	6 34	27 46	4 55	2 35	1 58	8 10	0 36	3 35	0 28	7 24	1 27	13 57	1 53	19 31	0 6	15 55	1 5	27 11	3 26	12 13	12 37	6 52		n.a.
M14	6 57	28 12	4 28	2 44	2 10	8 40	0 34	3 53	0 28	7 21	1 27	13 55	1 53	19 30	0 6	15 54	1 5	27 11	3 26	12 14	12 38	6 49		n.a.
T 15	7 19	26 59	3 45	2 51	2 20	9 9	0 31	4 10	0 27	7 18	1 27	13 53	1 54	19 30	0 6	15 54	1 5	27 11	3 26	12 15	12 39	6 45		n.a.
W16	7 41	24 8	2 48	2 54	2 30	9 38	0 29	4 28	0 27	7 15	1 27	13 51	1 54	19 30	0 6	15 53	1 6	27 12	3 26	12 15	12 40	6 42		n.a.
T 17	8 3	19 48	1 41	2 55	2 38	10 7	0 27	4 45	0 26	7 13	1 27	13 50	1 54	19 29	0 6	15 53	1 6	27 12	3 27	12 15	12 41	6 39		n.a.
F 18	8 25	14 15	0 25	2 54	2 46	10 36	0 25	5 3	0 25	7 10	1 27	13 48	1 54	19 29	0 6	15 53	1 6	27 12	3 27	12 14	12 42	6 35		n.a.
S 19	8 47	7 49	0s53	2 50	2 53	11 5	0 22	5 20	0 25	7 7	1 26	13 46	1 54	19 28	0 6	15 52	1 6	27 12	3 27	12 14	12 44	6 32		n.a.
S 20	9 8	0 53	2 9	2 43	2 59	11 33	0 20	5 37	0 24	7 4	1 26	13 44	1 55	19 28	0 6	15 52	1 6	27 12	3 27	12 15	12 45	6 29		n.a.
M21	9 30	6s 8	3 16	2 34	3 4	12 1	0 18	5 54	0 24	7 1	1 26	13 43	1 55	19 28	0 6	15 52	1 6	27 12	3 27	12 17	12 46	6 25		n.a.
T 22	9 51	12 48	4 9	2 22	3 8	12 29	0 15	6 12	0 23	6 59	1 26	13 41	1 55	19 27	0 6	15 51	1 6	27 13	3 28	12 19	12 47	6 22		n.a.
W23	10 12	18 39	4 46	2 8	3 11	12 57	0 13	6 29	0 23	6 56	1 26	13 39	1 55	19 27	0 6	15 51	1 6	27 13	3 28	12 22	12 48	6 19		n.a.
T 24	10 34	23 20	5 3	1 52	3 14	13 24	0 11	6 46	0 22	6 53	1 26	13 37	1 55	19 26	0 6	15 51	1 6	27 13	3 28	12 25	12 49	6 15		n.a.
F 25	10 54	26 30	5 2	1 34	3 15	13 51	0 8	7 3	0 21	6 50	1 26	13 36	1 56	19 26	0 6	15 50	1 6	27 13	3 28	12 28	12 50	6 12		n.a.
S 26	11 15	28 1	4 43	1 13	3 16	14 17	0 6	7 20	0 21	6 48	1 26	13 34	1 56	19 25	0 6	15 50	1 6	27 13	3 28	12 31	12 51	6 9		n.a.
S 27	11 36	27 54	4 10	0 51	3 16	14 43	0 3	7 36	0 20	6 45	1 26	13 33	1 56	19 25	0 6	15 50	1 6	27 14	3 28	12 33	12 52	6 5		n.a.
M28	11 56	26 16	3 25	0 26	3 15	15 9	0 1	7 53	0 20	6 42	1 25	13 31	1 56	19 24	0 6	15 49	1 6	27 14	3 29	12 34	12 53	6 2		n.a.
T 29	12 16	23 24	2 32	0n 0	3 14	15 35	0n 1	8 10	0 19	6 39	1 25	13 30	1 57	19 24	0 6	15 49	1 6	27 14	3 29	12 34	12 54	5 59		n.a.
W30	12n36	19s34	1s33	0n29	3s12	16n 0	0n 4	8n26	0s18	6s37	1n25	13s28	1s57	19s23	0n 6	15s49	1s 6	27s14	3s29	12s34	12s56	5s55		n.a.

Julian Day Number = 1557150.5, Delta T = 04h26m44s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°17'02, Lahiri = -10°10'01 Julian Calendar 1 Apr. 450 BCE == Greg. Calendar 27 March 450 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

MAY 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 11 16	3♉45'19	21♒31	9♈38	14♉12	22♈49	19°R54	29♒59	25°R52	20♒45	29°R57	27°R18	26♒13	11♓59	n.a.	T 1
F 2	14 15 12	4°42'38	3♓19	10°50	15°25	23°31	19♎47	0♓ 4	25♏50	20°46	29♐56	27♒18	26° 9	12° 5	n.a.	F 2
S 3	14 19 9	5°39'57	15° 6	12° 6	16°39	24°13	19°40	0° 8	25°48	20°47	29°56	27°16	26° 6	12°12	n.a.	S 3
S 4	14 23 6	6°37'14	26°57	13°24	17°53	24°56	19°32	0°13	25°46	20°48	29°55	27°13	26° 3	12°18	n.a.	S 4
M 5	14 27 2	7°34'32	8♈56	14°45	19° 6	25°38	19°25	0°17	25°43	20°49	29°54	27° 6	26° 0	12°25	n.a.	M 5
T 6	14 30 59	8°31'48	21° 5	16° 9	20°20	26°20	19°19	0°22	25°41	20°49	29°54	26°57	25°57	12°32	n.a.	T 6
W 7	14 34 55	9°29'04	3♉26	17°35	21°33	27° 2	19°12	0°26	25°39	20°50	29°53	26°47	25°54	12°38	n.a.	W 7
T 8	14 38 52	10°26'19	16° 1	19° 5	22°47	27°43	19° 5	0°30	25°36	20°51	29°52	26°34	25°50	12°45	n.a.	T 8
F 9	14 42 48	11°23'33	28°49	20°37	24° 0	28°25	18°58	0°34	25°34	20°52	29°51	26°22	25°47	12°52	n.a.	F 9
S 10	14 46 45	12°20'47	11♊49	22°12	25°14	29° 7	18°52	0°38	25°32	20°52	29°50	26°11	25°44	12°58	n.a.	S 10
S 11	14 50 41	13°18'00	25° 2	23°50	26°27	29°49	18°46	0°42	25°29	20°53	29°50	26° 2	25°41	13° 5	n.a.	S 11
M12	14 54 38	14°15'12	8♋26	25°30	27°41	0♉31	18°39	0°46	25°27	20°54	29°49	25°55	25°38	13°12	n.a.	M12
T 13	14 58 35	15°12'24	22° 1	27°13	28°54	1°12	18°33	0°50	25°25	20°54	29°48	25°51	25°35	13°18	n.a.	T 13
W14	15 2 31	16° 9'34	5♌47	28°59	0♊ 8	1°54	18°27	0°53	25°22	20°55	29°47	25°50	25°31	13°25	n.a.	W14
T 15	15 6 28	17° 6'44	19°44	0♉48	1°21	2°35	18°21	0°57	25°20	20°55	29°46	25°49	25°28	13°32	n.a.	T 15
F 16	15 10 24	18° 3'52	3♍52	2°39	2°34	3°17	18°15	1° 0	25°17	20°56	29°45	25°49	25°25	13°38	n.a.	F 16
S 17	15 14 21	19° 1'00	18°11	4°32	3°48	3°58	18°10	1° 4	25°15	20°56	29°44	25°48	25°22	13°45	n.a.	S 17
S 18	15 18 17	19°58'07	2♎37	6°28	5° 1	4°40	18° 4	1° 7	25°13	20°57	29°43	25°45	25°19	13°52	n.a.	S 18
M19	15 22 14	20°55'14	17° 8	8°27	6°15	5°21	17°59	1°10	25°10	20°57	29°42	25°39	25°15	13°58	n.a.	M19
T 20	15 26 11	21°52'20	1♏38	10°27	7°28	6° 2	17°53	1°13	25° 8	20°57	29°41	25°30	25°12	14° 5	n.a.	T 20
W21	15 30 7	22°49'25	16° 1	12°30	8°41	6°43	17°48	1°16	25° 5	20°58	29°40	25°19	25° 9	14°12	n.a.	W21
T 22	15 34 4	23°46'31	0♐10	14°34	9°55	7°25	17°43	1°19	25° 3	20°58	29°39	25° 8	25° 6	14°18	n.a.	T 22
F 23	15 38 0	24°43'36	14° 0	16°40	11° 8	8° 6	17°38	1°22	25° 0	20°58	29°38	24°57	25° 3	14°25	n.a.	F 23
S 24	15 41 57	25°40'41	27°27	18°48	12°22	8°47	17°34	1°25	24°58	20°59	29°37	24°47	25° 0	14°32	n.a.	S 24
S 25	15 45 53	26°37'46	10♑31	20°56	13°35	9°28	17°29	1°27	24°55	20°59	29°36	24°39	24°56	14°38	n.a.	S 25
M26	15 49 50	27°34'51	23°12	23° 6	14°48	10° 9	17°25	1°30	24°53	20°59	29°34	24°34	24°53	14°45	n.a.	M26
T 27	15 53 46	28°31'56	5♒34	25°16	16° 2	10°50	17°21	1°32	24°51	20°59	29°33	24°31	24°50	14°51	n.a.	T 27
W28	15 57 43	29°29'02	17°39	27°27	17°15	11°31	17°16	1°35	24°48	20°59	29°32	24°30	24°47	14°58	n.a.	W28
T 29	16 1 40	0♊26'07	29°34	29°38	18°28	12°11	17°13	1°37	24°46	20°59	29°31	24°30	24°44	15° 5	n.a.	T 29
F 30	16 5 36	1°23'13	11♓23	1♊48	19°41	12°52	17° 9	1°39	24°43	20°59	29°30	24°30	24°41	15°11	n.a.	F 30
S 31	16 9 33	2♊20'18	23♓12	3♊58	20♊55	13♉33	17♎ 5	1♓41	24♏41	20°R59	29♐28	24♒28	24♒37	15♓18	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12n56	15s 0	0s31	0n59	3s 9	16n24	0n 6	8n43	0s18	6s34	1n25	13s27	1s57	19s23	0n 6	15s48	1s 6	27s14	3s29	12s34	12s57	5s52		n.a.
F 2	13 16	9 56	0n32	1 31	3 5	16 49	0 9	8 59	0 17	6 32	1 25	13 25	1 57	19 22	0 6	15 48	1 6	27 14	3 29	12 34	12 58	5 49		n.a.
S 3	13 35	4 31	1 33	2 4	3 1	17 12	0 11	9 15	0 17	6 29	1 25	13 24	1 57	19 22	0 6	15 48	1 6	27 15	3 29	12 35	12 59	5 45		n.a.
S 4	13 54	1n 4	2 31	2 39	2 56	17 36	0 14	9 32	0 16	6 26	1 25	13 22	1 58	19 21	0 6	15 48	1 6	27 15	3 30	12 36	13 0	5 42		n.a.
M 5	14 13	6 40	3 22	3 16	2 51	17 59	0 16	9 48	0 15	6 24	1 24	13 21	1 58	19 21	0 6	15 47	1 6	27 15	3 30	12 38	13 1	5 39		n.a.
T 6	14 32	12 6	4 5	3 54	2 45	18 21	0 18	10 4	0 15	6 21	1 24	13 20	1 58	19 20	0 6	15 47	1 6	27 15	3 30	12 41	13 2	5 35		n.a.
W 7	14 50	17 9	4 37	4 34	2 38	18 43	0 21	10 20	0 14	6 19	1 24	13 18	1 58	19 19	0 6	15 47	1 6	27 15	3 30	12 45	13 3	5 32		n.a.
T 8	15 9	21 34	4 56	5 14	2 31	19 5	0 23	10 35	0 14	6 17	1 24	13 17	1 59	19 19	0 6	15 47	1 7	27 15	3 30	12 49	13 4	5 29		n.a.
F 9	15 27	25 2	5 1	5 57	2 23	19 26	0 26	10 51	0 13	6 14	1 24	13 16	1 59	19 18	0 6	15 47	1 7	27 16	3 30	12 53	13 5	5 25		n.a.
S 10	15 45	27 17	4 50	6 40	2 15	19 46	0 28	11 7	0 12	6 12	1 23	13 15	1 59	19 18	0 6	15 46	1 7	27 16	3 31	12 57	13 6	5 22		n.a.
S 11	16 2	28 3	4 24	7 25	2 6	20 6	0 30	11 22	0 12	6 10	1 23	13 13	1 59	19 17	0 6	15 46	1 7	27 16	3 31	13 0	13 8	5 18		n.a.
M12	16 19	27 11	3 43	8 10	1 57	20 26	0 33	11 38	0 11	6 7	1 23	13 12	2 0	19 17	0 6	15 46	1 7	27 16	3 31	13 3	13 9	5 15		n.a.
T 13	16 37	24 42	2 49	8 57	1 48	20 45	0 35	11 53	0 10	6 5	1 23	13 11	2 0	19 16	0 6	15 46	1 7	27 16	3 31	13 4	13 10	5 12		n.a.
W14	16 53	20 45	1 44	9 44	1 38	21 3	0 37	12 8	0 10	6 3	1 23	13 10	2 0	19 15	0 6	15 46	1 7	27 16	3 31	13 5	13 11	5 8		n.a.
T 15	17 10	15 36	0 32	10 32	1 28	21 21	0 40	12 23	0 9	6 1	1 22	13 9	2 0	19 15	0 6	15 46	1 7	27 16	3 31	13 5	13 12	5 5		n.a.
F 16	17 26	9 34	0s42	11 21	1 17	21 38	0 42	12 38	0 9	5 59	1 22	13 8	2 1	19 14	0 6	15 46	1 7	27 17	3 32	13 5	13 13	5 2		n.a.
S 17	17 42	2 58	1 55	12 10	1 6	21 54	0 44	12 53	0 8	5 57	1 22	13 7	2 1	19 14	0 6	15 46	1 7	27 17	3 32	13 5	13 14	4 58		n.a.
S 18	17 58	3s49	3 1	12 59	0 56	22 10	0 46	13 8	0 7	5 55	1 22	13 6	2 1	19 13	0 6	15 45	1 7	27 17	3 32	13 6	13 15	4 55		n.a.
M19	18 13	10 26	3 56	13 48	0 44	22 26	0 49	13 22	0 7	5 53	1 21	13 5	2 1	19 13	0 6	15 45	1 7	27 17	3 32	13 8	13 16	4 52		n.a.
T 20	18 28	16 29	4 35	14 37	0 33	22 40	0 51	13 37	0 6	5 52	1 21	13 4	2 2	19 12	0 6	15 45	1 7	27 17	3 32	13 11	13 17	4 48		n.a.
W21	18 43	21 34	4 57	15 26	0 22	22 55	0 53	13 51	0 6	5 50	1 21	13 3	2 2	19 11	0 6	15 45	1 7	27 17	3 32	13 15	13 18	4 45		n.a.
T 22	18 58	25 19	4 59	16 15	0 11	23 8	0 55	14 5	0 5	5 48	1 21	13 3	2 2	19 11	0 6	15 45	1 7	27 18	3 32	13 19	13 19	4 42		n.a.
F 23	19 12	27 29	4 44	17 2	0 0	23 21	0 57	14 19	0 4	5 46	1 20	13 2	2 2	19 10	0 6	15 45	1 7	27 18	3 33	13 23	13 20	4 38		n.a.
S 24	19 26	27 57	4 14	17 49	0n11	23 33	0 59	14 33	0 4	5 45	1 20	13 1	2 3	19 10	0 6	15 45	1 7	27 18	3 33	13 26	13 22	4 35		n.a.
S 25	19 39	26 49	3 30	18 34	0 21	23 44	1 1	14 47	0 3	5 43	1 20	13 0	2 3	19 9	0 6	15 45	1 7	27 18	3 33	13 29	13 23	4 32		n.a.
M26	19 53	24 19	2 38	19 18	0 32	23 55	1 3	15 1	0 2	5 42	1 20	13 0	2 3	19 8	0 6	15 45	1 7	27 18	3 33	13 30	13 24	4 28		n.a.
T 27	20 6	20 43	1 39	20 0	0 41	24 5	1 5	15 14	0 2	5 41	1 19	12 59	2 4	19 8	0 6	15 45	1 7	27 18	3 33	13 31	13 25	4 25		n.a.
W28	20 18	16 19	0 36	20 40	0 51	24 14	1 7	15 28	0 1	5 39	1 19	12 58	2 4	19 7	0 6	15 45	1 7	27 18	3 33	13 32	13 26	4 21		n.a.
T 29	20 30	11 21	0n27	21 18	1 0	24 23	1 9	15 41	0 1	5 38	1 19	12 58	2 4	19 7	0 6	15 45	1 8	27 18	3 33	13 32	13 27	4 18		n.a.
F 30	20 42	6 2	1 28	21 54	1 8	24 31	1 10	15 54	0n 0	5 37	1 19	12 57	2 4	19 6	0 6	15 45	1 8	27 19	3 34	13 32	13 28	4 15		n.a.
S 31	20n54	0s30	2n26	22n27	1n16	24n38	1n12	16n 7	0n 1	5s36	1n18	12s57	2s 5	19s 6	0n 6	15s45	1s 8	27s19	3s34	13s32	13s29	4s11		n.a.

Julian Day Number = 1557180.5, Delta T = 04h26m43s
Ecliptic obliquity = 23°45'07, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'58, Lahiri = -10°09'57 Julian Calendar 1 May 450 BCE == Greg. Calendar 26 Apr. 450 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

JUNE 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 13 29	3♊17'25	5♈ 6	6♊ 7	22♊ 8	14♉14	17°R 2	1♓43	24°R38	20°R59	29°R27	24°R25	24♒34	15♓25	n.a.	S 1
M 2	16 17 26	4°14'31	17°10	8°16	23°21	14°54	16♎59	1°45	24♏36	20♒59	29♐26	24♒19	24°31	15°31	n.a.	M 2
T 3	16 21 22	5°11'38	29°28	10°23	24°35	15°35	16°55	1°47	24°34	20°59	29°25	24°10	24°28	15°38	n.a.	T 3
W 4	16 25 19	6° 8'45	12♉ 1	12°29	25°48	16°15	16°53	1°49	24°31	20°59	29°23	24° 0	24°25	15°45	n.a.	W 4
T 5	16 29 15	7° 5'52	24°51	14°34	27° 1	16°56	16°50	1°50	24°29	20°59	29°22	23°48	24°21	15°51	n.a.	T 5
F 6	16 33 12	8° 3'00	7♊58	16°37	28°14	17°36	16°47	1°52	24°27	20°59	29°21	23°36	24°18	15°58	n.a.	F 6
S 7	16 37 9	9° 0'08	21°21	18°39	29°28	18°17	16°45	1°53	24°24	20°58	29°20	23°24	24°15	16° 5	n.a.	S 7
S 8	16 41 5	9°57'17	4♋56	20°39	0♋41	18°57	16°43	1°54	24°22	20°58	29°18	23°15	24°12	16°11	n.a.	S 8
M 9	16 45 2	10°54'25	18°42	22°37	1°54	19°37	16°41	1°55	24°20	20°58	29°17	23° 9	24° 9	16°18	n.a.	M 9
T 10	16 48 58	11°51'34	2♌36	24°33	3° 7	20°18	16°39	1°57	24°17	20°58	29°16	23° 5	24° 6	16°25	n.a.	T 10
W11	16 52 55	12°48'43	16°36	26°27	4°20	20°58	16°37	1°57	24°15	20°57	29°14	23° 4	24° 2	16°31	n.a.	W11
T 12	16 56 51	13°45'52	0♍40	28°20	5°33	21°38	16°36	1°58	24°13	20°57	29°13	23°D 3	23°59	16°38	n.a.	T 12
F 13	17 0 48	14°43'00	14°47	0♋11	6°47	22°18	16°34	1°59	24°10	20°56	29°12	23°R 4	23°56	16°45	n.a.	F 13
S 14	17 4 45	15°40'09	28°57	2° 0	8° 0	22°58	16°33	2° 0	24° 8	20°56	29°10	23° 3	23°53	16°51	n.a.	S 14
S 15	17 8 41	16°37'19	13♎ 7	3°47	9°13	23°38	16°32	2° 0	24° 6	20°55	29° 9	23° 1	23°50	16°58	n.a.	S 15
M16	17 12 38	17°34'28	27°16	5°32	10°26	24°18	16°32	2° 1	24° 4	20°55	29° 8	22°56	23°47	17° 5	n.a.	M16
T 17	17 16 34	18°31'38	11♏21	7°15	11°39	24°58	16°31	2° 1	24° 2	20°54	29° 6	22°48	23°43	17°11	n.a.	T 17
W18	17 20 31	19°28'49	25°17	8°57	12°52	25°38	16°31	2° 1	24° 0	20°54	29° 5	22°39	23°40	17°18	n.a.	W18
T 19	17 24 27	20°26'00	9♐ 2	10°37	14° 5	26°18	16°31	2° 2	23°57	20°53	29° 3	22°29	23°37	17°25	n.a.	T 19
F 20	17 28 24	21°23'12	22°32	12°14	15°18	26°58	16°D30	2°R 2	23°55	20°53	29° 2	22°19	23°34	17°31	n.a.	F 20
S 21	17 32 20	22°20'24	5♑44	13°50	16°31	27°37	16°31	2° 2	23°53	20°52	29° 1	22°11	23°31	17°38	n.a.	S 21
S 22	17 36 17	23°17'37	18°37	15°24	17°44	28°17	16°31	2° 1	23°51	20°51	28°59	22° 4	23°27	17°45	n.a.	S 22
M23	17 40 14	24°14'51	1♒11	16°57	18°57	28°57	16°32	2° 1	23°49	20°51	28°58	22° 0	23°24	17°51	n.a.	M23
T 24	17 44 10	25°12'06	13°29	18°27	20°10	29°36	16°32	2° 1	23°47	20°50	28°56	21°58	23°21	17°58	n.a.	T 24
W25	17 48 7	26° 9'22	25°33	19°55	21°23	0♊16	16°33	2° 0	23°45	20°49	28°55	21°D57	23°18	18° 5	n.a.	W25
T 26	17 52 3	27° 6'39	7♓27	21°22	22°36	0°55	16°34	2° 0	23°43	20°48	28°54	21°58	23°15	18°11	n.a.	T 26
F 27	17 56 0	28° 3'58	19°17	22°47	23°49	1°35	16°35	1°59	23°42	20°47	28°52	21°59	23°12	18°18	n.a.	F 27
S 28	17 59 56	29° 1'17	1♈ 7	24° 9	25° 2	2°14	16°37	1°58	23°40	20°47	28°51	21°R59	23° 8	18°25	n.a.	S 28
S 29	18 3 53	29°58'38	13° 3	25°30	26°15	2°54	16°38	1°57	23°38	20°46	28°49	21°58	23° 5	18°31	n.a.	S 29
M30	18 7 49	0♋55'59	25♈10	26♋49	27♋28	3♊33	16♎40	1♓56	23♏36	20♒45	28♐48	21♒56	23♒ 2	18♓38	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 5	5n 4	3n17	22n58	1n23	24n45	1n14	16n20	0n 1	5s35	1n18	12s56	2s 5	19s 5	0n 6	15s45	1s 8	27s19	3s34	13s33	13s30	4s 8		n.a.
M 2	21 16	10 32	4 1	23 26	1 29	24 50	1 16	16 33	0 2	5 34	1 18	12 56	2 5	19 4	0 6	15 45	1 8	27 19	3 34	13 35	13 31	4 5		n.a.
T 3	21 27	15 41	4 34	23 51	1 35	24 55	1 17	16 46	0 3	5 33	1 17	12 56	2 5	19 4	0 6	15 45	1 8	27 19	3 34	13 38	13 32	4 1		n.a.
W 4	21 37	20 18	4 55	24 14	1 40	25 0	1 19	16 58	0 3	5 32	1 17	12 55	2 6	19 3	0 6	15 45	1 8	27 19	3 34	13 42	13 33	3 58		n.a.
T 5	21 47	24 5	5 1	24 34	1 44	25 3	1 20	17 10	0 4	5 31	1 17	12 55	2 6	19 3	0 6	15 46	1 8	27 19	3 34	13 46	13 34	3 55		n.a.
F 6	21 56	26 43	4 52	24 51	1 48	25 6	1 22	17 23	0 5	5 30	1 17	12 55	2 6	19 2	0 6	15 46	1 8	27 19	3 34	13 50	13 36	3 51		n.a.
S 7	22 5	27 54	4 27	25 6	1 50	25 8	1 23	17 35	0 5	5 30	1 16	12 54	2 7	19 1	0 6	15 46	1 8	27 20	3 35	13 54	13 37	3 48		n.a.
S 8	22 14	27 25	3 46	25 17	1 53	25 9	1 24	17 47	0 6	5 29	1 16	12 54	2 7	19 1	0 6	15 46	1 8	27 20	3 35	13 57	13 38	3 44		n.a.
M 9	22 22	25 15	2 52	25 26	1 54	25 10	1 26	17 58	0 6	5 28	1 16	12 54	2 7	19 0	0 6	15 46	1 8	27 20	3 35	13 59	13 39	3 41		n.a.
T 10	22 30	21 34	1 46	25 33	1 55	25 10	1 27	18 10	0 7	5 28	1 15	12 54	2 7	19 0	0 6	15 46	1 8	27 20	3 35	14 0	13 40	3 38		n.a.
W11	22 38	16 37	0 34	25 37	1 55	25 9	1 28	18 21	0 8	5 28	1 15	12 54	2 8	18 59	0 6	15 46	1 8	27 20	3 35	14 1	13 41	3 34		n.a.
T 12	22 45	10 45	0s40	25 39	1 55	25 7	1 29	18 33	0 8	5 27	1 15	12 54	2 8	18 59	0 6	15 47	1 8	27 20	3 35	14 1	13 42	3 31		n.a.
F 13	22 52	4 20	1 53	25 39	1 54	25 4	1 30	18 44	0 9	5 27	1 15	12 54	2 8	18 58	0 6	15 47	1 8	27 20	3 35	14 0	13 43	3 28		n.a.
S 14	22 58	2s18	2 59	25 36	1 52	25 1	1 31	18 55	0 10	5 27	1 14	12 54	2 8	18 58	0 6	15 47	1 8	27 20	3 35	14 1	13 44	3 24		n.a.
S 15	23 4	8 49	3 54	25 31	1 50	24 57	1 32	19 5	0 10	5 27	1 14	12 54	2 9	18 57	0 6	15 47	1 8	27 20	3 36	14 1	13 45	3 21		n.a.
M16	23 10	14 53	4 34	25 25	1 47	24 53	1 33	19 16	0 11	5 27	1 14	12 54	2 9	18 57	0 6	15 47	1 8	27 21	3 36	14 3	13 46	3 18		n.a.
T 17	23 15	20 8	4 58	25 16	1 43	24 47	1 34	19 27	0 11	5 27	1 13	12 54	2 9	18 56	0 6	15 48	1 8	27 21	3 36	14 6	13 47	3 14		n.a.
W18	23 20	24 14	5 3	25 6	1 40	24 41	1 34	19 37	0 12	5 27	1 13	12 54	2 10	18 55	0 6	15 48	1 8	27 21	3 36	14 9	13 48	3 11		n.a.
T 19	23 24	26 53	4 51	24 54	1 35	24 34	1 35	19 47	0 13	5 27	1 13	12 54	2 10	18 55	0 6	15 48	1 9	27 21	3 36	14 12	13 49	3 7		n.a.
F 20	23 28	27 55	4 23	24 41	1 30	24 26	1 35	19 57	0 13	5 27	1 13	12 55	2 10	18 54	0 6	15 48	1 9	27 21	3 36	14 15	13 50	3 4		n.a.
S 21	23 32	27 18	3 41	24 26	1 25	24 18	1 36	20 7	0 14	5 28	1 12	12 55	2 10	18 54	0 6	15 48	1 9	27 21	3 36	14 18	13 51	3 1		n.a.
S 22	23 35	25 13	2 49	24 10	1 19	24 9	1 36	20 17	0 15	5 28	1 12	12 55	2 11	18 53	0 6	15 49	1 9	27 21	3 36	14 20	13 53	2 57		n.a.
M23	23 37	21 55	1 49	23 52	1 13	23 59	1 37	20 26	0 15	5 29	1 12	12 56	2 11	18 53	0 6	15 49	1 9	27 21	3 36	14 22	13 54	2 54		n.a.
T 24	23 40	17 43	0 45	23 33	1 6	23 49	1 37	20 35	0 16	5 29	1 11	12 56	2 11	18 52	0 6	15 49	1 9	27 21	3 36	14 22	13 55	2 51		n.a.
W25	23 42	12 52	0n19	23 14	0 59	23 38	1 37	20 45	0 17	5 30	1 11	12 56	2 12	18 52	0 6	15 50	1 9	27 21	3 37	14 22	13 56	2 47		n.a.
T 26	23 43	7 37	1 22	22 53	0 52	23 26	1 37	20 53	0 17	5 31	1 11	12 57	2 12	18 52	0 6	15 50	1 9	27 21	3 37	14 22	13 57	2 44		n.a.
F 27	23 44	2 8	2 22	22 31	0 44	23 13	1 37	21 2	0 18	5 31	1 10	12 57	2 12	18 51	0 6	15 50	1 9	27 22	3 37	14 22	13 58	2 41		n.a.
S 28	23 45	3n25	3 15	22 9	0 36	23 0	1 37	21 11	0 19	5 32	1 10	12 58	2 12	18 51	0 5	15 50	1 9	27 22	3 37	14 22	13 59	2 37		n.a.
S 29	23 45	8 53	4 0	21 46	0 27	22 46	1 37	21 19	0 19	5 33	1 10	12 59	2 13	18 50	0 5	15 51	1 9	27 22	3 37	14 22	14 0	2 34		n.a.
M30	23n45	14n 7	4n35	21n22	0n18	22n32	1n37	21n28	0n20	5s34	1n10	12s59	2s13	18s50	0n 5	15s51	1s 9	27s22	3s37	14s23	14s 1	2s30		n.a.

Julian Day Number = 1557211.5, Delta T = 04h26m42s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'53, Lahiri = -10°09'53 Julian Calendar 1 June 450 BCE == Greg. Calendar 27 May 450 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

JULY 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 11 46	1♋53'23	7♉31	28♋ 5	28♋40	4♊12	16♎42	1°R55	23°R34	20°R44	28°R47	21°R51	22♒59	18♓45	n.a.	T 1
W 2	18 15 43	2°50'47	20°11	29°20	29°53	4°52	16°44	1♓54	23♏33	20♒43	28♐45	21♒44	22°56	18°51	n.a.	W 2
T 3	18 19 39	3°48'13	3♊12	0♌32	1♌ 6	5°31	16°47	1°53	23°31	20°42	28°44	21°36	22°53	18°58	n.a.	T 3
F 4	18 23 36	4°45'40	16°34	1°42	2°19	6°10	16°49	1°51	23°29	20°41	28°42	21°29	22°49	19° 4	n.a.	F 4
S 5	18 27 32	5°43'09	0♋15	2°50	3°32	6°49	16°52	1°50	23°28	20°40	28°41	21°21	22°46	19°11	n.a.	S 5
S 6	18 31 29	6°40'38	14°14	3°55	4°45	7°28	16°55	1°48	23°26	20°39	28°40	21°15	22°43	19°18	n.a.	S 6
M 7	18 35 25	7°38'09	28°25	4°57	5°57	8° 7	16°58	1°47	23°25	20°38	28°38	21°11	22°40	19°24	n.a.	M 7
T 8	18 39 22	8°35'41	12♌44	5°57	7°10	8°46	17° 1	1°45	23°23	20°37	28°37	21° 9	22°37	19°31	n.a.	T 8
W 9	18 43 19	9°33'14	27° 6	6°55	8°23	9°25	17° 4	1°43	23°22	20°36	28°35	21°D 9	22°33	19°38	n.a.	W 9
T 10	18 47 15	10°30'48	11♍28	7°49	9°35	10° 4	17° 8	1°41	23°20	20°34	28°34	21°10	22°30	19°44	n.a.	T 10
F 11	18 51 12	11°28'22	25°45	8°40	10°48	10°43	17°12	1°39	23°19	20°33	28°33	21°12	22°27	19°51	n.a.	F 11
S 12	18 55 8	12°25'58	9♎57	9°28	12° 1	11°22	17°16	1°37	23°18	20°32	28°31	21°R12	22°24	19°58	n.a.	S 12
S 13	18 59 5	13°23'35	24° 0	10°13	13°13	12° 0	17°20	1°35	23°16	20°31	28°30	21°12	22°21	20° 4	n.a.	S 13
M14	19 3 1	14°21'13	7♏54	10°54	14°26	12°39	17°24	1°32	23°15	20°30	28°29	21°10	22°18	20°11	n.a.	M14
T 15	19 6 58	15°18'53	21°38	11°31	15°38	13°18	17°28	1°30	23°14	20°28	28°27	21° 6	22°14	20°18	n.a.	T 15
W16	19 10 54	16°16'33	5♐11	12° 4	16°51	13°56	17°33	1°27	23°13	20°27	28°26	21° 1	22°11	20°24	n.a.	W16
T 17	19 14 51	17°14'15	18°30	12°33	18° 3	14°35	17°37	1°25	23°12	20°26	28°25	20°56	22° 8	20°31	n.a.	T 17
F 18	19 18 48	18°11'59	1♑36	12°58	19°16	15°13	17°42	1°22	23°11	20°24	28°23	20°51	22° 5	20°38	n.a.	F 18
S 19	19 22 44	19° 9'43	14°27	13°17	20°28	15°52	17°47	1°19	23°10	20°23	28°22	20°46	22° 2	20°44	n.a.	S 19
S 20	19 26 41	20° 7'30	27° 4	13°32	21°41	16°30	17°53	1°16	23° 9	20°22	28°21	20°43	21°59	20°51	n.a.	S 20
M21	19 30 37	21° 5'17	9♒26	13°42	22°53	17° 9	17°58	1°13	23° 8	20°20	28°19	20°41	21°55	20°58	n.a.	M21
T 22	19 34 34	22° 3'07	21°36	13°R47	24° 5	17°47	18° 3	1°10	23° 7	20°19	28°18	20°D40	21°52	21° 4	n.a.	T 22
W23	19 38 30	23° 0'58	3♓36	13°45	25°18	18°25	18° 9	1° 7	23° 6	20°17	28°17	20°41	21°49	21°11	n.a.	W23
T 24	19 42 27	23°58'51	15°29	13°38	26°30	19° 4	18°15	1° 4	23° 5	20°16	28°16	20°42	21°46	21°18	n.a.	T 24
F 25	19 46 23	24°56'46	27°18	13°25	27°42	19°42	18°21	1° 1	23° 4	20°15	28°14	20°44	21°43	21°24	n.a.	F 25
S 26	19 50 20	25°54'42	9♈ 8	13° 7	28°54	20°20	18°27	0°57	23° 4	20°13	28°13	20°45	21°39	21°31	n.a.	S 26
S 27	19 54 17	26°52'41	21° 3	12°42	0♍ 7	20°58	18°33	0°54	23° 3	20°12	28°12	20°46	21°36	21°38	n.a.	S 27
M28	19 58 13	27°50'42	3♉ 9	12°11	1°19	21°36	18°39	0°50	23° 3	20°10	28°11	20°R46	21°33	21°44	n.a.	M28
T 29	20 2 10	28°48'45	15°30	11°34	2°31	22°14	18°46	0°47	23° 2	20° 9	28°10	20°45	21°30	21°51	n.a.	T 29
W30	20 6 6	29°46'49	28°10	10°53	3°43	22°52	18°53	0°43	23° 2	20° 7	28° 8	20°44	21°27	21°58	n.a.	W30
T 31	20 10 3	0♌44'56	11♊13	10♌ 6	4♍55	23♊30	18♎59	0♓39	23♏ 1	20♒ 6	28♐ 7	20♒41	21♒24	22♓ 4	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n44	18n53	4n58	20n58	0n 9	22n16	1n37	21n36	0n20	5s35	1n 9	13s 0	2s13	18s49	0n 5	15s51	1s 9	27s22	3s37	14s24	14s 2	2s27		n.a.
W 2	23 43	22 57	5 7	20 33	0s 0	22 1	1 37	21 44	0 21	5 36	1 9	13 0	2 13	18 49	0 5	15 52	1 9	27 22	3 37	14 27	14 3	2 24		n.a.
T 3	23 42	26 0	5 1	20 8	0 10	21 44	1 36	21 52	0 22	5 37	1 9	13 1	2 14	18 48	0 5	15 52	1 9	27 22	3 37	14 29	14 4	2 20		n.a.
F 4	23 40	27 41	4 39	19 43	0 20	21 27	1 36	21 59	0 22	5 39	1 8	13 2	2 14	18 48	0 5	15 53	1 9	27 22	3 37	14 32	14 5	2 17		n.a.
S 5	23 38	27 45	4 0	19 17	0 30	21 10	1 35	22 7	0 23	5 40	1 8	13 3	2 14	18 48	0 5	15 53	1 9	27 22	3 37	14 34	14 6	2 14		n.a.
S 6	23 35	26 4	3 6	18 52	0 41	20 51	1 35	22 14	0 24	5 41	1 8	13 4	2 15	18 47	0 5	15 53	1 9	27 22	3 37	14 36	14 7	2 10		n.a.
M 7	23 32	22 42	2 0	18 26	0 52	20 33	1 34	22 21	0 24	5 43	1 8	13 4	2 15	18 47	0 5	15 54	1 9	27 22	3 38	14 37	14 8	2 7		n.a.
T 8	23 28	17 56	0 46	18 1	1 3	20 13	1 33	22 28	0 25	5 44	1 7	13 5	2 15	18 47	0 5	15 54	1 9	27 22	3 38	14 38	14 9	2 4		n.a.
W 9	23 24	12 8	0s32	17 36	1 14	19 53	1 32	22 34	0 26	5 46	1 7	13 6	2 15	18 46	0 5	15 54	1 9	27 22	3 38	14 38	14 10	2 0		n.a.
T 10	23 20	5 42	1 48	17 11	1 25	19 33	1 31	22 41	0 26	5 47	1 7	13 7	2 16	18 46	0 5	15 55	1 9	27 22	3 38	14 38	14 11	1 57		n.a.
F 11	23 15	0s59	2 57	16 47	1 36	19 12	1 30	22 47	0 27	5 49	1 6	13 8	2 16	18 46	0 5	15 55	1 9	27 22	3 38	14 37	14 13	1 53		n.a.
S 12	23 10	7 34	3 54	16 23	1 48	18 50	1 29	22 53	0 28	5 51	1 6	13 9	2 16	18 45	0 5	15 56	1 9	27 22	3 38	14 37	14 14	1 50		n.a.
S 13	23 4	13 43	4 37	16 0	1 59	18 28	1 28	22 59	0 28	5 53	1 6	13 10	2 16	18 45	0 5	15 56	1 9	27 22	3 38	14 37	14 15	1 47		n.a.
M14	22 58	19 5	5 3	15 38	2 11	18 6	1 27	23 5	0 29	5 55	1 6	13 11	2 17	18 45	0 5	15 57	1 10	27 22	3 38	14 38	14 16	1 43		n.a.
T 15	22 52	23 24	5 11	15 16	2 23	17 43	1 26	23 11	0 30	5 57	1 5	13 12	2 17	18 44	0 5	15 57	1 10	27 23	3 38	14 39	14 17	1 40		n.a.
W16	22 45	26 23	5 2	14 56	2 34	17 19	1 24	23 16	0 30	5 59	1 5	13 14	2 17	18 44	0 5	15 57	1 10	27 23	3 38	14 41	14 18	1 37		n.a.
T 17	22 37	27 50	4 36	14 37	2 45	16 56	1 23	23 21	0 31	6 1	1 5	13 15	2 17	18 44	0 5	15 58	1 10	27 23	3 38	14 42	14 19	1 33		n.a.
F 18	22 30	27 41	3 56	14 19	2 57	16 31	1 21	23 26	0 31	6 3	1 4	13 16	2 18	18 43	0 5	15 58	1 10	27 23	3 38	14 44	14 20	1 30		n.a.
S 19	22 22	26 1	3 5	14 3	3 8	16 7	1 20	23 31	0 32	6 5	1 4	13 17	2 18	18 43	0 5	15 59	1 10	27 23	3 38	14 45	14 21	1 27		n.a.
S 20	22 13	23 4	2 6	13 48	3 19	15 41	1 18	23 36	0 33	6 7	1 4	13 18	2 18	18 43	0 5	15 59	1 10	27 23	3 38	14 47	14 22	1 23		n.a.
M21	22 4	19 6	1 1	13 36	3 29	15 16	1 16	23 41	0 33	6 9	1 4	13 20	2 18	18 43	0 5	16 0	1 10	27 23	3 38	14 47	14 23	1 20		n.a.
T 22	21 55	14 24	0n 5	13 25	3 39	14 50	1 14	23 45	0 34	6 12	1 3	13 21	2 18	18 43	0 5	16 0	1 10	27 23	3 38	14 47	14 24	1 17		n.a.
W23	21 46	9 13	1 10	13 16	3 48	14 23	1 12	23 49	0 35	6 14	1 3	13 22	2 19	18 42	0 5	16 1	1 10	27 23	3 38	14 47	14 25	1 13		n.a.
T 24	21 36	3 46	2 12	13 10	3 57	13 57	1 10	23 53	0 35	6 17	1 3	13 24	2 19	18 42	0 5	16 1	1 10	27 23	3 38	14 47	14 26	1 10		n.a.
F 25	21 25	1n47	3 8	13 6	4 5	13 30	1 8	23 57	0 36	6 19	1 3	13 25	2 19	18 42	0 5	16 2	1 10	27 23	3 38	14 46	14 27	1 6		n.a.
S 26	21 14	7 16	3 56	13 5	4 11	13 2	1 6	24 0	0 37	6 22	1 2	13 27	2 19	18 42	0 5	16 2	1 10	27 23	3 38	14 46	14 28	1 3		n.a.
S 27	21 3	12 32	4 34	13 7	4 17	12 34	1 4	24 4	0 37	6 24	1 2	13 28	2 20	18 42	0 5	16 3	1 10	27 23	3 39	14 45	14 29	1 0		n.a.
M28	20 52	17 25	5 0	13 11	4 22	12 6	1 2	24 7	0 38	6 27	1 2	13 29	2 20	18 42	0 5	16 3	1 10	27 23	3 39	14 45	14 30	0 56		n.a.
T 29	20 40	21 41	5 14	13 18	4 25	11 38	0 59	24 10	0 39	6 30	1 1	13 31	2 20	18 41	0 5	16 4	1 10	27 23	3 39	14 46	14 31	0 53		n.a.
W30	20 28	25 5	5 13	13 28	4 26	11 9	0 57	24 13	0 39	6 33	1 1	13 32	2 20	18 41	0 5	16 4	1 10	27 23	3 39	14 46	14 32	0 50		n.a.
T 31	20n15	27n17	4n55	13n41	4s26	10n40	0n54	24n15	0n40	6s36	1n 1	13s34	2s20	18s41	0n 5	16s 5	1s10	27s23	3s39	14s47	14s33	0s46		n.a.

Julian Day Number = 1557241.5, Delta T = 04h26m41s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'49, Lahiri = -10°09'49 Julian Calendar 1 July 450 BCE == Greg. Calendar 26 June 450 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

AUGUST 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 13 59	1♌43'05	24♊40	9°R15	6♍ 7	24♊ 8	19♎ 6	0°R36	23°R 1	20°R 4	28°R 6	20°R38	21♒20	22♓11	n.a.	F 1
S 2	20 17 56	2°41'16	8♋32	8♌20	7°19	24°46	19°14	0♓32	23♏ 0	20♒ 2	28♐ 5	20♒36	21°17	22°18	n.a.	S 2
S 3	20 21 52	3°39'29	22°46	7°24	8°31	25°24	19°21	0°28	23° 0	20° 1	28° 4	20°34	21°14	22°24	n.a.	S 3
M 4	20 25 49	4°37'44	7♌17	6°25	9°43	26° 1	19°28	0°24	23° 0	19°59	28° 3	20°33	21°11	22°31	n.a.	M 4
T 5	20 29 46	5°36'01	22° 1	5°27	10°55	26°39	19°36	0°20	23° 0	19°58	28° 2	20°D32	21° 8	22°38	n.a.	T 5
W 6	20 33 42	6°34'20	6♍49	4°29	12° 7	27°17	19°43	0°16	22°59	19°56	28° 1	20°33	21° 5	22°44	n.a.	W 6
T 7	20 37 39	7°32'40	21°34	3°34	13°19	27°54	19°51	0°12	22°59	19°54	28° 0	20°34	21° 1	22°51	n.a.	T 7
F 8	20 41 35	8°31'02	6♎11	2°43	14°30	28°32	19°59	0° 8	22°D59	19°53	27°59	20°35	20°58	22°58	n.a.	F 8
S 9	20 45 32	9°29'25	20°35	1°57	15°42	29°10	20° 7	0° 3	22°59	19°51	27°58	20°36	20°55	23° 4	n.a.	S 9
S 10	20 49 28	10°27'51	4♏43	1°17	16°54	29°47	20°15	29♒59	22°59	19°50	27°57	20°R36	20°52	23°11	n.a.	S 10
M11	20 53 25	11°26'18	18°33	0°43	18° 5	0♋24	20°23	29°55	22°59	19°48	27°56	20°36	20°49	23°18	n.a.	M11
T 12	20 57 21	12°24'47	2♐ 5	0°18	19°17	1° 2	20°32	29°50	23° 0	19°46	27°55	20°35	20°45	23°24	n.a.	T 12
W13	21 1 18	13°23'17	15°20	0° 2	20°29	1°39	20°40	29°46	23° 0	19°45	27°54	20°35	20°42	23°31	n.a.	W13
T 14	21 5 15	14°21'50	28°19	29°D54	21°40	2°16	20°49	29°41	23° 0	19°43	27°53	20°34	20°39	23°38	n.a.	T 14
F 15	21 9 11	15°20'24	11♉ 4	29♋56	22°52	2°54	20°58	29°37	23° 0	19°41	27°52	20°33	20°36	23°44	n.a.	F 15
S 16	21 13 8	16°19'00	23°35	0♌ 7	24° 3	3°31	21° 7	29°32	23° 1	19°40	27°51	20°33	20°33	23°51	n.a.	S 16
S 17	21 17 4	17°17'38	5♒54	0°28	25°14	4° 8	21°16	29°28	23° 1	19°38	27°51	20°32	20°30	23°58	n.a.	S 17
M18	21 21 1	18°16'18	18° 4	0°58	26°26	4°45	21°25	29°23	23° 2	19°36	27°50	20°D32	20°26	24° 4	n.a.	M18
T 19	21 24 57	19°15'00	0♓ 5	1°37	27°37	5°22	21°34	29°19	23° 2	19°35	27°49	20°32	20°23	24°11	n.a.	T 19
W20	21 28 54	20°13'44	11°59	2°24	28°48	5°59	21°43	29°14	23° 3	19°33	27°48	20°R32	20°20	24°18	n.a.	W20
T 21	21 32 50	21°12'30	23°49	3°19	29°59	6°36	21°53	29° 9	23° 3	19°31	27°48	20°32	20°17	24°24	n.a.	T 21
F 22	21 36 47	22°11'19	5♈38	4°22	1♎10	7°13	22° 2	29° 5	23° 4	19°30	27°47	20°32	20°14	24°31	n.a.	F 22
S 23	21 40 43	23°10'10	17°28	5°32	2°21	7°50	22°12	29° 0	23° 5	19°28	27°46	20°32	20°10	24°38	n.a.	S 23
S 24	21 44 40	24° 9'03	29°24	6°48	3°32	8°27	22°22	28°55	23° 6	19°26	27°46	20°32	20° 7	24°44	n.a.	S 24
M25	21 48 37	25° 7'58	11♉28	8° 9	4°43	9° 3	22°32	28°51	23° 6	19°25	27°45	20°31	20° 4	24°51	n.a.	M25
T 26	21 52 33	26° 6'56	23°46	9°35	5°54	9°40	22°42	28°46	23° 7	19°23	27°44	20°D31	20° 1	24°58	n.a.	T 26
W27	21 56 30	27° 5'57	6♊23	11° 6	7° 5	10°17	22°52	28°41	23° 8	19°21	27°44	20°31	19°58	25° 4	n.a.	W27
T 28	22 0 26	28° 5'00	19°20	12°40	8°15	10°53	23° 2	28°36	23° 9	19°20	27°43	20°32	19°55	25°11	n.a.	T 28
F 29	22 4 23	29° 4'05	2♋43	14°17	9°26	11°30	23°12	28°32	23°10	19°18	27°43	20°32	19°51	25°18	n.a.	F 29
S 30	22 8 19	0♍ 3'13	16°33	15°57	10°37	12° 6	23°23	28°27	23°11	19°17	27°42	20°33	19°48	25°25	n.a.	S 30
S 31	22 12 16	1♍ 2'23	0♌49	17♌38	11♎47	12♋43	23♎33	28♒22	23♏13	19♒15	27♐42	20♒34	19♒45	25♓31	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	20n 2	28n 0	4n22	13n56	4s24	10n11	0n52	24n18	0n41	6s38	1n 1	13s35	2s21	18s41	0n 5	16s 5	1s10	27s23	3s39	14s48	14s34	0s43		n.a.
S 2	19 49	27 0	3 32	14 14	4 20	9 42	0 49	24 20	0 41	6 41	1 0	13 37	2 21	18 41	0 5	16 6	1 10	27 23	3 39	14 49	14 35	0 40		n.a.
S 3	19 35	24 14	2 28	14 34	4 14	9 12	0 47	24 22	0 42	6 44	1 0	13 39	2 21	18 41	0 5	16 6	1 10	27 23	3 39	14 49	14 36	0 36		n.a.
M 4	19 21	19 52	1 13	14 56	4 6	8 42	0 44	24 24	0 43	6 47	1 0	13 40	2 21	18 41	0 5	16 7	1 10	27 23	3 39	14 50	14 37	0 33		n.a.
T 5	19 7	14 14	0s 8	15 20	3 56	8 12	0 41	24 26	0 43	6 51	1 0	13 42	2 21	18 41	0 5	16 7	1 10	27 23	3 39	14 50	14 38	0 30		n.a.
W 6	18 52	7 45	1 29	15 45	3 45	7 42	0 38	24 27	0 44	6 54	1 0	13 43	2 21	18 41	0 5	16 8	1 10	27 23	3 39	14 50	14 40	0 26		n.a.
T 7	18 37	0 53	2 44	16 11	3 31	7 11	0 35	24 29	0 45	6 57	0 59	13 45	2 22	18 41	0 5	16 9	1 10	27 23	3 39	14 49	14 41	0 23		n.a.
F 8	18 22	5s57	3 47	16 38	3 16	6 40	0 32	24 30	0 45	7 0	0 59	13 47	2 22	18 41	0 5	16 9	1 10	27 23	3 39	14 49	14 42	0 19		n.a.
S 9	18 7	12 22	4 35	17 4	3 0	6 10	0 29	24 31	0 46	7 3	0 59	13 48	2 22	18 41	0 5	16 10	1 10	27 23	3 39	14 49	14 43	0 16		n.a.
S 10	17 51	18 2	5 5	17 30	2 43	5 39	0 26	24 32	0 47	7 7	0 59	13 50	2 22	18 41	0 5	16 10	1 10	27 23	3 39	14 49	14 44	0 13		n.a.
M11	17 34	22 38	5 17	17 55	2 24	5 7	0 23	24 32	0 47	7 10	0 58	13 52	2 22	18 41	0 5	16 11	1 10	27 23	3 39	14 49	14 45	0 9		n.a.
T 12	17 18	25 55	5 11	18 18	2 6	4 36	0 20	24 33	0 48	7 14	0 58	13 53	2 22	18 41	0 5	16 11	1 10	27 23	3 39	14 49	14 46	0 6		n.a.
W13	17 1	27 42	4 48	18 40	1 47	4 5	0 17	24 33	0 49	7 17	0 58	13 55	2 22	18 41	0 5	16 12	1 10	27 23	3 39	14 49	14 47	0 3		n.a.
T 14	16 44	27 55	4 11	19 0	1 28	3 33	0 14	24 33	0 49	7 20	0 58	13 57	2 23	18 41	0 5	16 12	1 10	27 23	3 39	14 49	14 48	0n 1		n.a.
F 15	16 27	26 38	3 22	19 18	1 9	3 2	0 10	24 33	0 50	7 24	0 57	13 59	2 23	18 41	0 5	16 13	1 10	27 23	3 39	14 50	14 49	0 4		n.a.
S 16	16 9	24 2	2 24	19 34	0 51	2 30	0 7	24 33	0 51	7 28	0 57	14 0	2 23	18 41	0 5	16 13	1 10	27 23	3 39	14 50	14 50	0 7		n.a.
S 17	15 51	20 20	1 20	19 47	0 33	1 58	0 3	24 33	0 51	7 31	0 57	14 2	2 23	18 42	0 5	16 14	1 10	27 23	3 39	14 50	14 51	0 11		n.a.
M18	15 33	15 50	0 14	19 57	0 16	1 26	0s 0	24 32	0 52	7 35	0 57	14 4	2 23	18 42	0 5	16 14	1 10	27 23	3 39	14 50	14 52	0 14		n.a.
T 19	15 15	10 46	0n53	20 4	0n 0	0 54	0 3	24 31	0 53	7 39	0 57	14 6	2 23	18 42	0 5	16 15	1 10	27 23	3 39	14 50	14 53	0 17		n.a.
W20	14 56	5 22	1 56	20 8	0 16	0 23	0 7	24 30	0 53	7 42	0 56	14 7	2 23	18 42	0 5	16 16	1 10	27 23	3 39	14 50	14 54	0 21		n.a.
T 21	14 37	0n11	2 55	20 9	0 30	0s 9	0 11	24 29	0 54	7 46	0 56	14 9	2 23	18 42	0 5	16 16	1 10	27 23	3 39	14 50	14 55	0 24		n.a.
F 22	14 18	5 42	3 45	20 7	0 43	0 41	0 14	24 28	0 55	7 50	0 56	14 11	2 23	18 42	0 5	16 17	1 10	27 23	3 39	14 50	14 56	0 27		n.a.
S 23	13 58	11 2	4 26	20 1	0 55	1 13	0 18	24 26	0 56	7 54	0 56	14 13	2 24	18 43	0 5	16 17	1 10	27 23	3 39	14 50	14 57	0 31		n.a.
S 24	13 39	16 0	4 56	19 52	1 5	1 45	0 21	24 25	0 56	7 58	0 55	14 14	2 24	18 43	0 5	16 18	1 10	27 23	3 39	14 50	14 58	0 34		n.a.
M25	13 19	20 25	5 13	19 40	1 15	2 17	0 25	24 23	0 57	8 1	0 55	14 16	2 24	18 43	0 5	16 18	1 10	27 23	3 39	14 50	14 59	0 37		n.a.
T 26	12 59	24 4	5 17	19 25	1 23	2 49	0 29	24 21	0 58	8 5	0 55	14 18	2 24	18 43	0 5	16 19	1 10	27 23	3 39	14 50	15 0	0 41		n.a.
W27	12 38	26 40	5 5	19 7	1 31	3 21	0 33	24 19	0 58	8 9	0 55	14 20	2 24	18 43	0 5	16 19	1 10	27 23	3 39	14 50	15 1	0 44		n.a.
T 28	12 18	27 56	4 38	18 46	1 37	3 52	0 36	24 17	0 59	8 13	0 55	14 21	2 24	18 44	0 5	16 20	1 10	27 23	3 39	14 50	15 2	0 47		n.a.
F 29	11 57	27 39	3 55	18 23	1 42	4 24	0 40	24 14	1 0	8 17	0 54	14 23	2 24	18 44	0 5	16 20	1 10	27 23	3 39	14 50	15 3	0 51		n.a.
S 30	11 36	25 39	2 58	17 57	1 46	4 56	0 44	24 12	1 0	8 21	0 54	14 25	2 24	18 44	0 5	16 21	1 10	27 23	3 39	14 50	15 4	0 54		n.a.
S 31	11n15	21n59	1n47	17n29	1n49	5s27	0s48	24n 9	1n 1	8s26	0n54	14s26	2s24	18s45	0n 5	16s21	1s10	27s23	3s39	14s49	15s 5	0n57		n.a.

Julian Day Number = 1557272.5, Delta T = 04h26m40s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'45, Lahiri = -10°09'45 Julian Calendar 1 Aug. 450 BCE == Greg. Calendar 27 July 450 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

SEPTEMBER 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 16 12	2♍ 1'36	15♌28	19♌22	12♎58	13♋19	23♎44	28°R17	23♏14	19°R13	27°R41	20°R34	19♒42	25♓38	n.a.	M 1
T 2	22 20 9	3° 0'51	0♍25	21° 6	14° 8	13°55	23°54	28♒13	23°15	19♒12	27♐41	20♒34	19°39	25°45	n.a.	T 2
W 3	22 24 6	4° 0'07	15°32	22°52	15°19	14°32	24° 5	28° 8	23°16	19°10	27°40	20°33	19°36	25°51	n.a.	W 3
T 4	22 28 2	4°59'26	0♎40	24°38	16°29	15° 8	24°16	28° 3	23°18	19° 9	27°40	20°32	19°32	25°58	n.a.	T 4
F 5	22 31 59	5°58'47	15°40	26°24	17°39	15°44	24°27	27°58	23°19	19° 7	27°40	20°30	19°29	26° 5	n.a.	F 5
S 6	22 35 55	6°58'10	0♏23	28°11	18°49	16°20	24°38	27°54	23°20	19° 5	27°39	20°28	19°26	26°11	n.a.	S 6
S 7	22 39 52	7°57'35	14°44	29°57	19°59	16°56	24°49	27°49	23°22	19° 4	27°39	20°26	19°23	26°18	n.a.	S 7
M 8	22 43 48	8°57'02	28°40	1♍44	21° 9	17°32	25° 0	27°45	23°23	19° 2	27°39	20°25	19°20	26°25	n.a.	M 8
T 9	22 47 45	9°56'30	12♐12	3°30	22°19	18° 8	25°11	27°40	23°25	19° 1	27°39	20°D25	19°16	26°31	n.a.	T 9
W10	22 51 41	10°56'01	25°19	5°16	23°29	18°44	25°23	27°35	23°27	18°59	27°39	20°26	19°13	26°38	n.a.	W10
T 11	22 55 38	11°55'33	8♑ 7	7° 1	24°39	19°20	25°34	27°31	23°28	18°58	27°38	20°27	19°10	26°45	n.a.	T 11
F 12	22 59 35	12°55'07	20°37	8°46	25°48	19°55	25°46	27°26	23°30	18°56	27°38	20°28	19° 7	26°51	n.a.	F 12
S 13	23 3 31	13°54'44	2♒53	10°30	26°58	20°31	25°57	27°22	23°32	18°55	27°38	20°30	19° 4	26°58	n.a.	S 13
S 14	23 7 28	14°54'22	14°59	12°14	28° 7	21° 7	26° 9	27°18	23°34	18°53	27°38	20°R31	19° 1	27° 5	n.a.	S 14
M15	23 11 24	15°54'02	26°57	13°57	29°17	21°42	26°21	27°13	23°35	18°52	27°38	20°31	18°57	27°11	n.a.	M15
T 16	23 15 21	16°53'44	8♓50	15°40	0♏26	22°18	26°32	27° 9	23°37	18°50	27°D38	20°30	18°54	27°18	n.a.	T 16
W17	23 19 17	17°53'28	20°41	17°22	1°35	22°53	26°44	27° 5	23°39	18°49	27°38	20°27	18°51	27°25	n.a.	W17
T 18	23 23 14	18°53'14	2♈30	19° 3	2°44	23°28	26°56	27° 0	23°41	18°48	27°38	20°23	18°48	27°31	n.a.	T 18
F 19	23 27 10	19°53'02	14°21	20°44	3°53	24° 4	27° 8	26°56	23°43	18°46	27°38	20°18	18°45	27°38	n.a.	F 19
S 20	23 31 7	20°52'53	26°14	22°24	5° 2	24°39	27°20	26°52	23°45	18°45	27°38	20°12	18°42	27°45	n.a.	S 20
S 21	23 35 3	21°52'45	8♉13	24° 4	6°11	25°14	27°32	26°48	23°48	18°44	27°38	20° 6	18°38	27°51	n.a.	S 21
M22	23 39 0	22°52'40	20°20	25°42	7°19	25°49	27°45	26°44	23°50	18°42	27°38	20° 2	18°35	27°58	n.a.	M22
T 23	23 42 57	23°52'38	2♊38	27°21	8°28	26°24	27°57	26°40	23°52	18°41	27°39	19°58	18°32	28° 5	n.a.	T 23
W24	23 46 53	24°52'37	15°11	28°58	9°36	26°59	28° 9	26°36	23°54	18°40	27°39	19°56	18°29	28°11	n.a.	W24
T 25	23 50 50	25°52'39	28° 3	0♎36	10°44	27°34	28°21	26°32	23°56	18°38	27°39	19°D56	18°26	28°18	n.a.	T 25
F 26	23 54 46	26°52'44	11♋17	2°12	11°52	28° 9	28°34	26°29	23°59	18°37	27°39	19°56	18°22	28°25	n.a.	F 26
S 27	23 58 43	27°52'50	24°55	3°48	13° 0	28°44	28°46	26°25	24° 1	18°36	27°40	19°58	18°19	28°31	n.a.	S 27
S 28	0 2 39	28°52'59	9♌ 1	5°24	14° 8	29°18	28°59	26°21	24° 4	18°35	27°40	19°59	18°16	28°38	n.a.	S 28
M29	0 6 36	29°53'10	23°32	6°59	15°16	29°53	29°12	26°18	24° 6	18°34	27°40	19°R59	18°13	28°45	n.a.	M29
T 30	0 10 32	0♎53'23	8♍27	8♎34	16♏23	0♌28	29♎24	26♒14	24♏ 9	18♒33	27♐41	19♒58	18♒10	28♓51	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n53	16n51	0n28	16n58	1n52	5s58	0s52	24n 6	1n 2	8s30	0n54	14s28	2s24	18s45	0n 5	16s22	1s10	27s23	3s39	14s49	15s 6	1n 1		n.a.
T 2	10 32	10 37	0s54	16 26	1 53	6 30	0 55	24 3	1 3	8 34	0 54	14 30	2 24	18 45	0 5	16 22	1 10	27 23	3 39	14 49	15 7	1 4		n.a.
W 3	10 10	3 43	2 14	15 52	1 54	7 1	0 59	24 0	1 3	8 38	0 54	14 32	2 24	18 46	0 5	16 23	1 10	27 23	3 39	14 50	15 8	1 7		n.a.
T 4	9 48	3s23	3 24	15 16	1 54	7 32	1 3	23 56	1 4	8 42	0 53	14 33	2 24	18 46	0 5	16 23	1 10	27 23	3 39	14 50	15 9	1 11		n.a.
F 5	9 26	10 13	4 20	14 39	1 53	8 3	1 7	23 53	1 5	8 46	0 53	14 35	2 24	18 46	0 5	16 24	1 10	27 23	3 39	14 51	15 10	1 14		n.a.
S 6	9 4	16 22	4 57	14 0	1 52	8 33	1 11	23 49	1 5	8 51	0 53	14 37	2 24	18 47	0 5	16 24	1 10	27 23	3 39	14 51	15 11	1 17		n.a.
S 7	8 42	21 28	5 14	13 20	1 50	9 4	1 15	23 45	1 6	8 55	0 53	14 38	2 24	18 47	0 5	16 25	1 10	27 22	3 39	14 52	15 12	1 21		n.a.
M 8	8 19	25 12	5 13	12 40	1 47	9 34	1 19	23 41	1 7	8 59	0 53	14 40	2 24	18 47	0 5	16 25	1 10	27 22	3 39	14 52	15 13	1 24		n.a.
T 9	7 56	27 24	4 54	11 58	1 44	10 4	1 22	23 37	1 7	9 4	0 52	14 41	2 24	18 48	0 4	16 26	1 10	27 22	3 39	14 52	15 14	1 27		n.a.
W10	7 34	27 59	4 19	11 16	1 41	10 34	1 26	23 33	1 8	9 8	0 52	14 43	2 24	18 48	0 4	16 26	1 10	27 22	3 39	14 52	15 15	1 31		n.a.
T 11	7 11	27 3	3 33	10 33	1 37	11 4	1 30	23 29	1 9	9 12	0 52	14 45	2 24	18 49	0 4	16 27	1 10	27 22	3 39	14 52	15 16	1 34		n.a.
F 12	6 48	24 44	2 37	9 49	1 33	11 33	1 34	23 24	1 10	9 17	0 52	14 46	2 24	18 49	0 4	16 27	1 10	27 22	3 39	14 51	15 17	1 37		n.a.
S 13	6 24	21 19	1 36	9 5	1 29	12 2	1 38	23 19	1 10	9 21	0 52	14 48	2 24	18 50	0 4	16 28	1 10	27 22	3 39	14 51	15 18	1 41		n.a.
S 14	6 1	17 2	0 30	8 21	1 24	12 31	1 42	23 14	1 11	9 26	0 52	14 49	2 24	18 50	0 4	16 28	1 10	27 22	3 39	14 50	15 19	1 44		n.a.
M15	5 38	12 8	0n35	7 36	1 19	13 0	1 45	23 9	1 12	9 30	0 51	14 51	2 24	18 51	0 4	16 29	1 10	27 22	3 39	14 50	15 20	1 47		n.a.
T 16	5 14	6 50	1 39	6 51	1 14	13 28	1 49	23 4	1 13	9 34	0 51	14 52	2 24	18 51	0 4	16 29	1 10	27 22	3 39	14 51	15 21	1 51		n.a.
W17	4 51	1 19	2 38	6 6	1 8	13 56	1 53	22 59	1 13	9 39	0 51	14 54	2 24	18 52	0 4	16 30	1 10	27 22	3 39	14 52	15 22	1 54		n.a.
T 18	4 27	4n13	3 30	5 21	1 3	14 24	1 56	22 54	1 14	9 43	0 51	14 55	2 24	18 52	0 4	16 30	1 10	27 22	3 38	14 53	15 23	1 57		n.a.
F 19	4 3	9 36	4 13	4 35	0 57	14 51	2 0	22 48	1 15	9 48	0 51	14 57	2 24	18 53	0 4	16 30	1 10	27 22	3 38	14 55	15 24	2 1		n.a.
S 20	3 40	14 40	4 45	3 50	0 51	15 18	2 4	22 43	1 16	9 52	0 51	14 58	2 24	18 53	0 4	16 31	1 10	27 22	3 38	14 56	15 25	2 4		n.a.
S 21	3 16	19 14	5 5	3 4	0 45	15 45	2 7	22 37	1 16	9 57	0 50	14 59	2 24	18 54	0 4	16 31	1 10	27 22	3 38	14 58	15 26	2 7		n.a.
M22	2 52	23 4	5 12	2 19	0 39	16 11	2 11	22 31	1 17	10 2	0 50	15 1	2 24	18 54	0 4	16 32	1 10	27 22	3 38	15 0	15 27	2 10		n.a.
T 23	2 28	25 56	5 4	1 34	0 32	16 37	2 14	22 25	1 18	10 6	0 50	15 2	2 24	18 55	0 4	16 32	1 10	27 22	3 38	15 1	15 28	2 14		n.a.
W24	2 4	27 35	4 42	0 48	0 26	17 3	2 18	22 19	1 19	10 11	0 50	15 3	2 23	18 55	0 4	16 32	1 10	27 22	3 38	15 2	15 29	2 17		n.a.
T 25	1 40	27 50	4 6	0 3	0 19	17 28	2 21	22 13	1 19	10 15	0 50	15 4	2 23	18 56	0 4	16 33	1 10	27 22	3 38	15 2	15 30	2 20		n.a.
F 26	1 15	26 30	3 15	0s42	0 13	17 53	2 24	22 7	1 20	10 20	0 50	15 6	2 23	18 57	0 4	16 33	1 10	27 22	3 38	15 1	15 31	2 24		n.a.
S 27	0 51	23 35	2 12	1 26	0 6	18 17	2 28	22 0	1 21	10 24	0 50	15 7	2 23	18 57	0 4	16 33	1 10	27 22	3 38	15 1	15 32	2 27		n.a.
S 28	0 27	19 12	0 59	2 11	0s 0	18 41	2 31	21 54	1 22	10 29	0 49	15 8	2 23	18 58	0 4	16 34	1 10	27 22	3 38	15 1	15 33	2 30		n.a.
M29	0 3	13 33	0s19	2 55	0 7	19 5	2 34	21 47	1 22	10 34	0 49	15 9	2 23	18 58	0 4	16 34	1 10	27 22	3 38	15 0	15 34	2 34		n.a.
T 30	0s22	6n59	1s39	3s39	0s14	19s28	2s37	21n40	1n23	10s38	0n49	15s10	2s23	18s59	0n 4	16s35	1s10	27s22	3s38	15s 1	15s35	2n37		n.a.

Julian Day Number = 1557303.5, Delta T = 04h26m38s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'41, Lahiri = -10°09'40 Julian Calendar 1 Sept. 450 BCE == Greg. Calendar 27 Aug. 450 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

OCTOBER 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 14 29	1♎53'38	23♍37	10♎ 8	17♏31	1♌ 2	29♎37	26°R11	24♏11	18°R31	27♐41	19°R55	18♒ 7	28♓58	n.a.	W 1
T 2	0 18 26	2°53'55	8♎54	11°42	18°38	1°36	29°50	26♒ 7	24°14	18♒30	27°41	19♒50	18° 3	29° 5	n.a.	T 2
F 3	0 22 22	3°54'14	24° 8	13°15	19°45	2°11	0♏ 2	26° 4	24°16	18°29	27°42	19°43	18° 0	29°11	n.a.	F 3
S 4	0 26 19	4°54'35	9♏ 7	14°48	20°52	2°45	0°15	26° 1	24°19	18°28	27°42	19°36	17°57	29°18	n.a.	S 4
S 5	0 30 15	5°54'57	23°43	16°21	21°59	3°19	0°28	25°58	24°22	18°27	27°43	19°29	17°54	29°25	n.a.	S 5
M 6	0 34 12	6°55'21	7♐51	17°53	23° 5	3°53	0°41	25°55	24°24	18°26	27°44	19°24	17°51	29°32	n.a.	M 6
T 7	0 38 8	7°55'47	21°30	19°25	24°12	4°27	0°54	25°52	24°27	18°25	27°44	19°20	17°47	29°38	n.a.	T 7
W 8	0 42 5	8°56'14	4♑41	20°56	25°18	5° 1	1° 7	25°49	24°30	18°24	27°45	19°D19	17°44	29°45	n.a.	W 8
T 9	0 46 1	9°56'43	17°26	22°27	26°24	5°35	1°20	25°47	24°33	18°24	27°45	19°19	17°41	29°52	n.a.	T 9
F 10	0 49 58	10°57'13	29°51	23°58	27°30	6° 8	1°33	25°44	24°35	18°23	27°46	19°20	17°38	29°58	n.a.	F 10
S 11	0 53 55	11°57'44	12♒ 1	25°28	28°36	6°42	1°46	25°41	24°38	18°22	27°47	19°21	17°35	0♈ 5	n.a.	S 11
S 12	0 57 51	12°58'17	23°59	26°58	29°41	7°15	1°59	25°39	24°41	18°21	27°47	19°R21	17°32	0°12	n.a.	S 12
M13	1 1 48	13°58'51	5♓50	28°28	0♐46	7°49	2°13	25°37	24°44	18°20	27°48	19°20	17°28	0°18	n.a.	M13
T 14	1 5 44	14°59'27	17°39	29°57	1°51	8°22	2°26	25°34	24°47	18°19	27°49	19°16	17°25	0°25	n.a.	T 14
W15	1 9 41	16° 0'04	29°28	1♏25	2°56	8°55	2°39	25°32	24°50	18°19	27°50	19° 9	17°22	0°32	n.a.	W15
T 16	1 13 37	17° 0'43	11♈20	2°54	4° 0	9°29	2°52	25°30	24°53	18°18	27°51	19° 0	17°19	0°38	n.a.	T 16
F 17	1 17 34	18° 1'23	23°15	4°21	5° 4	10° 2	3° 6	25°28	24°56	18°17	27°51	18°49	17°16	0°45	n.a.	F 17
S 18	1 21 30	19° 2'05	5♉16	5°49	6° 8	10°35	3°19	25°26	24°59	18°17	27°52	18°37	17°13	0°52	n.a.	S 18
S 19	1 25 27	20° 2'48	17°24	7°15	7°12	11° 7	3°32	25°25	25° 3	18°16	27°53	18°25	17° 9	0°58	n.a.	S 19
M20	1 29 23	21° 3'33	29°40	8°41	8°15	11°40	3°46	25°23	25° 6	18°16	27°54	18°14	17° 6	1° 5	n.a.	M20
T 21	1 33 20	22° 4'20	12♊ 6	10° 6	9°18	12°13	3°59	25°21	25° 9	18°15	27°55	18° 5	17° 3	1°12	n.a.	T 21
W22	1 37 17	23° 5'09	24°43	11°31	10°21	12°45	4°13	25°20	25°12	18°15	27°56	17°59	17° 0	1°18	n.a.	W22
T 23	1 41 13	24° 5'59	7♋34	12°55	11°23	13°18	4°26	25°19	25°15	18°14	27°57	17°55	16°57	1°25	n.a.	T 23
F 24	1 45 10	25° 6'50	20°43	14°17	12°25	13°50	4°40	25°17	25°19	18°14	27°58	17°D54	16°53	1°32	n.a.	F 24
S 25	1 49 6	26° 7'44	4♌11	15°39	13°27	14°22	4°53	25°16	25°22	18°13	27°59	17°54	16°50	1°38	n.a.	S 25
S 26	1 53 3	27° 8'38	18° 3	16°59	14°28	14°54	5° 7	25°15	25°25	18°13	28° 0	17°R54	16°47	1°45	n.a.	S 26
M27	1 56 59	28° 9'35	2♍17	18°18	15°29	15°26	5°20	25°14	25°28	18°13	28° 1	17°54	16°44	1°52	n.a.	M27
T 28	2 0 56	29°10'32	16°55	19°35	16°30	15°58	5°34	25°14	25°32	18°12	28° 3	17°51	16°41	1°59	n.a.	T 28
W29	2 4 52	0♏11'32	1♎51	20°50	17°30	16°30	5°47	25°13	25°35	18°12	28° 4	17°45	16°38	2° 5	n.a.	W29
T 30	2 8 49	1°12'32	16°58	22° 3	18°30	17° 1	6° 1	25°12	25°39	18°12	28° 5	17°37	16°34	2°12	n.a.	T 30
F 31	2 12 46	2♏13'34	2♏ 7	23♏13	19♐30	17♌33	6♏14	25♒12	25♏42	18♒12	28♐ 6	17♒26	16♒31	2♈19	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	0s46	0s 4	2s52	4s23	0s20	19s50	2s40	21n33	1n24	10s43	0n49	15s11	2s23	19s 0	0n 4	16s35	1s10	27s22	3s38	15s 2	15s36	2n40			n.a.
T 2	1 10	7 9	3 54	5 6	0 27	20 12	2 43	21 26	1 25	10 48	0 49	15 12	2 23	19 0	0 4	16 35	1 10	27 22	3 38	15 4	15 37	2 44			n.a.
F 3	1 34	13 47	4 39	5 49	0 34	20 34	2 46	21 19	1 26	10 52	0 49	15 13	2 23	19 1	0 4	16 36	1 10	27 22	3 38	15 6	15 38	2 47			n.a.
S 4	1 59	19 30	5 3	6 31	0 40	20 55	2 49	21 12	1 26	10 57	0 49	15 14	2 22	19 2	0 4	16 36	1 10	27 22	3 38	15 8	15 39	2 50			n.a.
S 5	2 23	23 54	5 8	7 14	0 47	21 16	2 52	21 5	1 27	11 2	0 48	15 15	2 22	19 2	0 4	16 36	1 10	27 22	3 38	15 10	15 40	2 53			n.a.
M 6	2 47	26 43	4 53	7 55	0 53	21 36	2 54	20 57	1 28	11 6	0 48	15 16	2 22	19 3	0 4	16 36	1 10	27 22	3 38	15 12	15 41	2 57			n.a.
T 7	3 11	27 49	4 21	8 37	0 59	21 55	2 57	20 50	1 29	11 11	0 48	15 17	2 22	19 4	0 4	16 37	1 10	27 22	3 38	15 13	15 42	3 0			n.a.
W 8	3 35	27 17	3 37	9 17	1 6	22 14	2 59	20 42	1 30	11 16	0 48	15 18	2 22	19 4	0 4	16 37	1 10	27 22	3 38	15 13	15 43	3 3			n.a.
T 9	3 59	25 18	2 43	9 57	1 12	22 33	3 2	20 35	1 30	11 21	0 48	15 19	2 22	19 5	0 4	16 37	1 10	27 22	3 38	15 13	15 44	3 7			n.a.
F 10	4 23	22 7	1 43	10 37	1 18	22 51	3 4	20 27	1 31	11 25	0 48	15 19	2 22	19 6	0 4	16 37	1 10	27 22	3 38	15 13	15 45	3 10			n.a.
S 11	4 47	18 3	0 39	11 16	1 24	23 8	3 6	20 19	1 32	11 30	0 48	15 20	2 21	19 7	0 4	16 38	1 10	27 22	3 38	15 13	15 46	3 13			n.a.
S 12	5 11	13 19	0n25	11 55	1 30	23 25	3 8	20 12	1 33	11 35	0 48	15 21	2 21	19 7	0 4	16 38	1 10	27 22	3 38	15 13	15 47	3 16			n.a.
M13	5 35	8 8	1 27	12 33	1 35	23 41	3 10	20 4	1 34	11 39	0 47	15 22	2 21	19 8	0 4	16 38	1 10	27 22	3 38	15 13	15 48	3 20			n.a.
T 14	5 59	2 43	2 26	13 10	1 41	23 56	3 12	19 56	1 34	11 44	0 47	15 22	2 21	19 9	0 4	16 38	1 10	27 22	3 38	15 14	15 49	3 23			n.a.
W15	6 22	2n48	3 18	13 46	1 46	24 11	3 14	19 48	1 35	11 49	0 47	15 23	2 21	19 10	0 4	16 39	1 10	27 22	3 38	15 16	15 50	3 26			n.a.
T 16	6 46	8 13	4 1	14 22	1 51	24 26	3 16	19 39	1 36	11 53	0 47	15 23	2 21	19 10	0 4	16 39	1 10	27 22	3 38	15 19	15 51	3 30			n.a.
F 17	7 10	13 23	4 34	14 57	1 56	24 39	3 17	19 31	1 37	11 58	0 47	15 24	2 21	19 11	0 4	16 39	1 10	27 22	3 38	15 23	15 52	3 33			n.a.
S 18	7 33	18 4	4 55	15 31	2 0	24 52	3 19	19 23	1 38	12 3	0 47	15 24	2 20	19 12	0 4	16 39	1 10	27 22	3 38	15 27	15 53	3 36			n.a.
S 19	7 56	22 5	5 3	16 4	2 5	25 5	3 20	19 15	1 39	12 8	0 47	15 25	2 20	19 13	0 4	16 39	1 10	27 22	3 38	15 30	15 54	3 39			n.a.
M20	8 19	25 10	4 57	16 37	2 9	25 17	3 21	19 6	1 40	12 12	0 47	15 25	2 20	19 13	0 4	16 39	1 10	27 22	3 38	15 34	15 55	3 43			n.a.
T 21	8 42	27 7	4 37	17 8	2 13	25 28	3 22	18 58	1 40	12 17	0 47	15 26	2 20	19 14	0 4	16 40	1 10	27 22	3 38	15 36	15 56	3 46			n.a.
W22	9 5	27 42	4 4	17 38	2 16	25 38	3 23	18 49	1 41	12 22	0 47	15 26	2 20	19 15	0 4	16 40	1 10	27 22	3 38	15 38	15 57	3 49			n.a.
T 23	9 28	26 49	3 17	18 7	2 19	25 48	3 24	18 41	1 42	12 26	0 46	15 26	2 20	19 16	0 4	16 40	1 10	27 22	3 38	15 40	15 58	3 52			n.a.
F 24	9 51	24 26	2 19	18 35	2 22	25 57	3 25	18 32	1 43	12 31	0 46	15 26	2 19	19 17	0 4	16 40	1 10	27 22	3 38	15 40	15 59	3 56			n.a.
S 25	10 13	20 38	1 12	19 2	2 24	26 6	3 25	18 23	1 44	12 36	0 46	15 27	2 19	19 17	0 4	16 40	1 10	27 22	3 38	15 40	16 0	3 59			n.a.
S 26	10 35	15 37	0s 1	19 27	2 26	26 14	3 25	18 15	1 45	12 40	0 46	15 27	2 19	19 18	0 4	16 40	1 10	27 22	3 38	15 40	16 1	4 2			n.a.
M27	10 57	9 37	1 16	19 51	2 27	26 21	3 26	18 6	1 46	12 45	0 46	15 27	2 19	19 19	0 4	16 40	1 10	27 22	3 38	15 40	16 2	4 6			n.a.
T 28	11 19	2 58	2 27	20 14	2 28	26 28	3 26	17 57	1 47	12 50	0 46	15 27	2 19	19 20	0 4	16 40	1 9	27 22	3 38	15 41	16 2	4 9			n.a.
W29	11 41	3s57	3 31	20 34	2 28	26 34	3 25	17 48	1 48	12 54	0 46	15 27	2 18	19 21	0 4	16 40	1 9	27 22	3 38	15 43	16 3	4 12			n.a.
T 30	12 3	10 44	4 20	20 53	2 28	26 39	3 25	17 39	1 48	12 59	0 46	15 27	2 18	19 21	0 4	16 40	1 9	27 22	3 38	15 45	16 4	4 15			n.a.
F 31	12s24	16s54	4s51	21s11	2s26	26s44	3s25	17n30	1n49	13s 3	0n46	15s27	2s18	19s22	0n 4	16s40	1s 9	27s22	3s38	15s49	16s 5	4n19			n.a.

Julian Day Number = 1557333.5, Delta T = 04h26m37s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'37, Lahiri = -10°09'36 Julian Calendar 1 Oct. 450 BCE == Greg. Calendar 26 Sept. 450 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

NOVEMBER 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 16 42	3♏14'37	17♏ 8	24♏20	20♐29	18♌ 4	6♏28	25°R12	25♏45	18°R11	28♐ 7	17°R14	16♒28	2♈25	n.a.	S 1
S 2	2 20 39	4°15'41	1♐50	25°24	21°27	18°36	6°42	25♒11	25°49	18♒11	28° 9	17♒ 3	16°25	2°32	n.a.	S 2
M 3	2 24 35	5°16'46	16° 6	26°24	22°25	19° 7	6°55	25°11	25°52	18°11	28°10	16°53	16°22	2°39	n.a.	M 3
T 4	2 28 32	6°17'51	29°54	27°20	23°23	19°38	7° 9	25°D11	25°56	18°11	28°11	16°46	16°19	2°45	n.a.	T 4
W 5	2 32 28	7°18'58	13♑11	28°10	24°20	20° 8	7°22	25°11	25°59	18°D11	28°12	16°42	16°15	2°52	n.a.	W 5
T 6	2 36 25	8°20'04	26° 1	28°55	25°16	20°39	7°36	25°11	26° 3	18°11	28°14	16°40	16°12	2°59	n.a.	T 6
F 7	2 40 22	9°21'12	8♒29	29°33	26°12	21°10	7°50	25°12	26° 6	18°11	28°15	16°39	16° 9	3° 5	n.a.	F 7
S 8	2 44 18	10°22'20	20°38	0♐ 3	27° 8	21°40	8° 3	25°12	26°10	18°11	28°17	16°39	16° 6	3°12	n.a.	S 8
S 9	2 48 15	11°23'28	2♓35	0°25	28° 2	22°10	8°17	25°13	26°13	18°11	28°18	16°39	16° 3	3°19	n.a.	S 9
M10	2 52 11	12°24'37	14°25	0°39	28°57	22°40	8°30	25°13	26°17	18°12	28°19	16°36	15°59	3°25	n.a.	M10
T 11	2 56 8	13°25'47	26°13	0°R42	29°50	23°10	8°44	25°14	26°20	18°12	28°21	16°31	15°56	3°32	n.a.	T 11
W12	3 0 4	14°26'57	8♈ 3	0°34	0♑43	23°40	8°58	25°15	26°24	18°12	28°22	16°22	15°53	3°39	n.a.	W12
T 13	3 4 1	15°28'07	19°58	0°16	1°35	24° 9	9°11	25°16	26°28	18°12	28°24	16°11	15°50	3°46	n.a.	T 13
F 14	3 7 57	16°29'18	2♉ 1	29♏45	2°26	24°39	9°25	25°17	26°31	18°13	28°25	15°58	15°47	3°52	n.a.	F 14
S 15	3 11 54	17°30'30	14°12	29° 3	3°17	25° 8	9°38	25°18	26°35	18°13	28°27	15°43	15°44	3°59	n.a.	S 15
S 16	3 15 51	18°31'42	26°33	28°10	4° 6	25°37	9°52	25°19	26°38	18°13	28°28	15°29	15°40	4° 6	n.a.	S 16
M17	3 19 47	19°32'54	9♊ 4	27° 8	4°55	26° 6	10° 5	25°21	26°42	18°14	28°30	15°15	15°37	4°12	n.a.	M17
T 18	3 23 44	20°34'08	21°46	25°56	5°43	26°35	10°19	25°22	26°46	18°14	28°32	15° 4	15°34	4°19	n.a.	T 18
W19	3 27 40	21°35'22	4♋37	24°39	6°30	27° 3	10°33	25°24	26°49	18°15	28°33	14°56	15°31	4°26	n.a.	W19
T 20	3 31 37	22°36'36	17°40	23°17	7°17	27°32	10°46	25°26	26°53	18°15	28°35	14°50	15°28	4°32	n.a.	T 20
F 21	3 35 33	23°37'51	0♌55	21°55	8° 2	28° 0	11° 0	25°28	26°56	18°16	28°36	14°48	15°25	4°39	n.a.	F 21
S 22	3 39 30	24°39'06	14°24	20°34	8°46	28°28	11°13	25°30	27° 0	18°16	28°38	14°D48	15°21	4°46	n.a.	S 22
S 23	3 43 26	25°40'22	28° 9	19°17	9°29	28°56	11°26	25°32	27° 4	18°17	28°40	14°R48	15°18	4°52	n.a.	S 23
M24	3 47 23	26°41'39	12♍10	18° 7	10°11	29°24	11°40	25°34	27° 7	18°17	28°41	14°47	15°15	4°59	n.a.	M24
T 25	3 51 20	27°42'55	26°28	17° 5	10°52	29°51	11°53	25°36	27°11	18°18	28°43	14°44	15°12	5° 6	n.a.	T 25
W26	3 55 16	28°44'13	11♎ 1	16°13	11°31	0♍18	12° 7	25°38	27°15	18°19	28°45	14°39	15° 9	5°13	n.a.	W26
T 27	3 59 13	29°45'30	25°45	15°31	12°10	0°45	12°20	25°41	27°18	18°19	28°46	14°31	15° 5	5°19	n.a.	T 27
F 28	4 3 9	0♐46'48	10♏32	15° 0	12°47	1°12	12°33	25°43	27°22	18°20	28°48	14°20	15° 2	5°26	n.a.	F 28
S 29	4 7 6	1°48'06	25°15	14°39	13°23	1°38	12°47	25°46	27°26	18°21	28°50	14° 8	14°59	5°33	n.a.	S 29
S 30	4 11 2	2♐49'25	9♐45	14♏28	13♑57	2♍ 5	13♏ 0	25♒49	27♏29	18♒22	28♐52	13♒57	14♒56	5♈39	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s45	21s58	5s 1	21s26	2s25	26s48	3s24	17n21	1n50	13s 8	0n46	15s27	2s18	19s23	0n 4	16s40	1s 9	27s22	3s38	15s52	16s 6	4n22		n.a.
S 2	13 6	25 33	4 51	21 39	2 22	26 51	3 23	17 13	1 51	13 13	0 46	15 27	2 18	19 24	0 4	16 40	1 9	27 22	3 38	15 56	16 7	4 25		n.a.
M 3	13 27	27 23	4 23	21 50	2 18	26 54	3 22	17 4	1 52	13 17	0 45	15 27	2 17	19 25	0 4	16 40	1 9	27 22	3 38	15 59	16 8	4 28		n.a.
T 4	13 48	27 26	3 41	21 59	2 14	26 56	3 21	16 55	1 53	13 22	0 45	15 27	2 17	19 26	0 4	16 40	1 9	27 22	3 38	16 1	16 9	4 32		n.a.
W 5	14 8	25 52	2 47	22 5	2 8	26 57	3 19	16 46	1 54	13 26	0 45	15 26	2 17	19 26	0 4	16 40	1 9	27 22	3 38	16 2	16 10	4 35		n.a.
T 6	14 28	22 58	1 47	22 9	2 1	26 58	3 18	16 37	1 55	13 31	0 45	15 26	2 17	19 27	0 4	16 40	1 9	27 22	3 38	16 3	16 11	4 38		n.a.
F 7	14 48	19 4	0 43	22 9	1 53	26 58	3 16	16 28	1 56	13 35	0 45	15 26	2 17	19 28	0 4	16 40	1 9	27 22	3 38	16 3	16 12	4 41		n.a.
S 8	15 7	14 28	0n21	22 7	1 44	26 57	3 14	16 18	1 57	13 40	0 45	15 26	2 16	19 29	0 4	16 40	1 9	27 22	3 38	16 3	16 13	4 45		n.a.
S 9	15 27	9 24	1 23	22 1	1 33	26 56	3 12	16 9	1 58	13 44	0 45	15 25	2 16	19 30	0 4	16 40	1 9	27 22	3 38	16 3	16 14	4 48		n.a.
M10	15 46	4 3	2 21	21 52	1 21	26 54	3 9	16 0	1 59	13 49	0 45	15 25	2 16	19 31	0 4	16 40	1 9	27 22	3 38	16 4	16 15	4 51		n.a.
T 11	16 4	1n25	3 13	21 39	1 7	26 52	3 7	15 51	2 0	13 53	0 45	15 24	2 16	19 32	0 4	16 40	1 9	27 22	3 38	16 6	16 16	4 54		n.a.
W12	16 23	6 50	3 56	21 23	0 52	26 49	3 4	15 42	2 1	13 58	0 45	15 24	2 16	19 32	0 4	16 40	1 9	27 22	3 38	16 8	16 17	4 58		n.a.
T 13	16 41	12 3	4 29	21 3	0 36	26 45	3 1	15 33	2 2	14 2	0 45	15 23	2 16	19 33	0 4	16 40	1 9	27 22	3 38	16 11	16 18	5 1		n.a.
F 14	16 59	16 52	4 51	20 39	0 18	26 41	2 58	15 24	2 3	14 7	0 45	15 23	2 15	19 34	0 4	16 40	1 9	27 22	3 38	16 15	16 19	5 4		n.a.
S 15	17 17	21 3	4 59	20 11	0n 1	26 37	2 54	15 15	2 4	14 11	0 45	15 22	2 15	19 35	0 4	16 40	1 9	27 22	3 38	16 20	16 20	5 7		n.a.
S 16	17 34	24 24	4 54	19 40	0 21	26 31	2 50	15 6	2 5	14 16	0 44	15 22	2 15	19 36	0 4	16 39	1 9	27 22	3 38	16 24	16 21	5 10		n.a.
M17	17 51	26 37	4 34	19 6	0 41	26 25	2 46	14 57	2 6	14 20	0 44	15 21	2 15	19 37	0 4	16 39	1 9	27 22	3 38	16 28	16 22	5 14		n.a.
T 18	18 7	27 30	4 1	18 30	1 2	26 19	2 42	14 48	2 7	14 24	0 44	15 20	2 15	19 38	0 4	16 39	1 9	27 22	3 38	16 32	16 23	5 17		n.a.
W19	18 24	26 55	3 15	17 51	1 22	26 12	2 37	14 39	2 8	14 29	0 44	15 19	2 14	19 38	0 4	16 39	1 9	27 22	3 38	16 34	16 24	5 20		n.a.
T 20	18 40	24 51	2 18	17 13	1 41	26 5	2 32	14 30	2 9	14 33	0 44	15 19	2 14	19 39	0 4	16 39	1 9	27 22	3 38	16 36	16 25	5 23		n.a.
F 21	18 55	21 24	1 13	16 35	1 58	25 57	2 27	14 21	2 10	14 37	0 44	15 18	2 14	19 40	0 4	16 39	1 9	27 22	3 38	16 36	16 26	5 27		n.a.
S 22	19 11	16 45	0 2	15 58	2 14	25 49	2 22	14 12	2 11	14 41	0 44	15 17	2 14	19 41	0 4	16 38	1 9	27 23	3 38	16 36	16 26	5 30		n.a.
S 23	19 26	11 11	1s10	15 24	2 28	25 40	2 16	14 4	2 12	14 46	0 44	15 16	2 14	19 42	0 4	16 38	1 9	27 23	3 38	16 36	16 27	5 33		n.a.
M24	19 40	4 56	2 19	14 54	2 40	25 31	2 10	13 55	2 13	14 50	0 44	15 15	2 13	19 43	0 4	16 38	1 9	27 23	3 38	16 37	16 28	5 36		n.a.
T 25	19 54	1s39	3 21	14 28	2 49	25 21	2 4	13 46	2 14	14 54	0 44	15 14	2 13	19 44	0 4	16 38	1 9	27 23	3 38	16 38	16 29	5 39		n.a.
W26	20 8	8 16	4 11	14 6	2 56	25 11	1 57	13 37	2 16	14 58	0 44	15 13	2 13	19 44	0 4	16 37	1 9	27 23	3 38	16 39	16 30	5 43		n.a.
T 27	20 22	14 29	4 45	13 50	3 0	25 1	1 50	13 28	2 17	15 3	0 44	15 12	2 13	19 45	0 4	16 37	1 9	27 23	3 38	16 42	16 31	5 46		n.a.
F 28	20 35	19 55	5 0	13 38	3 3	24 50	1 43	13 20	2 18	15 7	0 44	15 11	2 13	19 46	0 4	16 37	1 9	27 23	3 38	16 45	16 32	5 49		n.a.
S 29	20 47	24 6	4 56	13 31	3 4	24 39	1 36	13 11	2 19	15 11	0 44	15 10	2 12	19 47	0 4	16 37	1 9	27 23	3 38	16 48	16 33	5 52		n.a.
S 30	21s 0	26s41	4s32	13s28	3n 3	24s28	1s28	13n 3	2n20	15s15	0n44	15s 9	2s12	19s48	0n 4	16s36	1s 9	27s23	3s38	16s51	16s34	5n56		n.a.

Julian Day Number = 1557364.5, Delta T = 04h26m36s
Ecliptic obliquity = 23°45'06, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'33, Lahiri = -10°09'32 Julian Calendar 1 Nov. 450 BCE == Greg. Calendar 27 Oct. 450 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 450 BCE
geocentric

DECEMBER 450 BCE (-449) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 14 59	3♐50'43	23♐56	14°D27	14♑30	2♍31	13♏13	25♒52	27♏33	18♒23	28♐53	13°R47	14♒53	5♈46	n.a.	M 1
T 2	4 18 56	4°52'01	7♑42	14♏35	15° 1	2°57	13°26	25°55	27°36	18°24	28°55	13♒39	14°50	5°53	n.a.	T 2
W 3	4 22 52	5°53'18	21° 2	14°51	15°31	3°22	13°39	25°58	27°40	18°25	28°57	13°34	14°46	5°59	n.a.	W 3
T 4	4 26 49	6°54'35	3♒56	15°14	15°59	3°48	13°52	26° 1	27°44	18°26	28°59	13°32	14°43	6° 6	n.a.	T 4
F 5	4 30 45	7°55'52	16°28	15°44	16°25	4°13	14° 5	26° 4	27°47	18°27	29° 1	13°D32	14°40	6°13	n.a.	F 5
S 6	4 34 42	8°57'08	28°41	16°21	16°50	4°37	14°19	26° 8	27°51	18°28	29° 2	13°32	14°37	6°19	n.a.	S 6
S 7	4 38 38	9°58'23	10♓40	17° 2	17°13	5° 2	14°32	26°11	27°54	18°29	29° 4	13°R33	14°34	6°26	n.a.	S 7
M 8	4 42 35	10°59'38	22°32	17°49	17°34	5°26	14°44	26°15	27°58	18°30	29° 6	13°32	14°31	6°33	n.a.	M 8
T 9	4 46 31	12° 0'52	4♈21	18°40	17°53	5°50	14°57	26°19	28° 2	18°31	29° 8	13°29	14°27	6°40	n.a.	T 9
W10	4 50 28	13° 2'05	16°13	19°35	18° 9	6°14	15°10	26°22	28° 5	18°32	29°10	13°24	14°24	6°46	n.a.	W10
T 11	4 54 25	14° 3'18	28°12	20°33	18°24	6°37	15°23	26°26	28° 9	18°33	29°12	13°16	14°21	6°53	n.a.	T 11
F 12	4 58 21	15° 4'30	10♉20	21°35	18°36	7° 1	15°36	26°30	28°12	18°34	29°14	13° 6	14°18	7° 0	n.a.	F 12
S 13	5 2 18	16° 5'41	22°41	22°39	18°47	7°23	15°48	26°34	28°16	18°36	29°15	12°55	14°15	7° 6	n.a.	S 13
S 14	5 6 14	17° 6'52	5♊15	23°46	18°54	7°46	16° 1	26°38	28°19	18°37	29°17	12°44	14°11	7°13	n.a.	S 14
M15	5 10 11	18° 8'02	18° 4	24°56	19° 0	8° 8	16°14	26°43	28°23	18°38	29°19	12°34	14° 8	7°20	n.a.	M15
T 16	5 14 7	19° 9'11	1♋ 6	26° 7	19° 3	8°30	16°26	26°47	28°26	18°40	29°21	12°26	14° 5	7°26	n.a.	T 16
W17	5 18 4	20°10'20	14°20	27°20	19°R 4	8°52	16°39	26°51	28°30	18°41	29°23	12°20	14° 2	7°33	n.a.	W17
T 18	5 22 1	21°11'28	27°45	28°35	19° 2	9°13	16°51	26°56	28°33	18°42	29°25	12°17	13°59	7°40	n.a.	T 18
F 19	5 25 57	22°12'36	11♌20	29°51	18°58	9°34	17° 4	27° 0	28°36	18°44	29°27	12°D16	13°56	7°47	n.a.	F 19
S 20	5 29 54	23°13'43	25° 4	1♐ 9	18°51	9°54	17°16	27° 5	28°40	18°45	29°29	12°16	13°52	7°53	n.a.	S 20
S 21	5 33 50	24°14'49	8♍56	2°28	18°41	10°15	17°28	27°10	28°43	18°47	29°31	12°17	13°49	8° 0	n.a.	S 21
M22	5 37 47	25°15'54	22°57	3°49	18°29	10°34	17°40	27°14	28°47	18°48	29°33	12°R18	13°46	8° 7	n.a.	M22
T 23	5 41 43	26°16'59	7♎ 5	5°10	18°15	10°54	17°52	27°19	28°50	18°50	29°34	12°18	13°43	8°13	n.a.	T 23
W24	5 45 40	27°18'04	21°20	6°33	17°58	11°13	18° 5	27°24	28°53	18°51	29°36	12°15	13°40	8°20	n.a.	W24
T 25	5 49 36	28°19'07	5♏39	7°56	17°39	11°32	18°17	27°29	28°57	18°53	29°38	12°11	13°37	8°27	n.a.	T 25
F 26	5 53 33	29°20'10	19°57	9°21	17°17	11°50	18°28	27°35	29° 0	18°54	29°40	12° 5	13°33	8°33	n.a.	F 26
S 27	5 57 30	0♑21'12	4♐11	10°46	16°53	12° 8	18°40	27°40	29° 3	18°56	29°42	11°58	13°30	8°40	n.a.	S 27
S 28	6 1 26	1°22'13	18°15	12°12	16°28	12°25	18°52	27°45	29° 6	18°58	29°44	11°51	13°27	8°47	n.a.	S 28
M29	6 5 23	2°23'13	2♑ 5	13°40	16° 0	12°42	19° 4	27°50	29° 9	18°59	29°46	11°44	13°24	8°54	n.a.	M29
T 30	6 9 19	3°24'12	15°36	15° 8	15°30	12°59	19°15	27°56	29°13	19° 1	29°48	11°40	13°21	9° 0	n.a.	T 30
W31	6 13 16	4♑25'10	28♑47	16♐36	14♑58	13♍15	19♏27	28♒ 1	29♏16	19♒ 3	29♐50	11♒37	13♒17	9♈ 7	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s12	27s28	3s51	13s30	3n 1	24s16	1s20	12n54	2n21	15s19	0n44	15s 8	2s12	19s49	0n 4	16s36	1s 8	27s23	3s38	16s54	16s35	5n59		n.a.
T 2	21 23	26 29	2 58	13 36	2 58	24 4	1 11	12 46	2 22	15 23	0 44	15 6	2 12	19 49	0 4	16 36	1 8	27 23	3 38	16 57	16 36	6 2		n.a.
W 3	21 34	24 0	1 57	13 45	2 53	23 52	1 2	12 38	2 24	15 27	0 44	15 5	2 12	19 50	0 4	16 35	1 8	27 23	3 38	16 58	16 37	6 5		n.a.
T 4	21 45	20 21	0 51	13 57	2 48	23 39	0 53	12 29	2 25	15 31	0 44	15 4	2 11	19 51	0 4	16 35	1 8	27 23	3 38	16 59	16 38	6 8		n.a.
F 5	21 55	15 52	0n16	14 11	2 42	23 26	0 43	12 21	2 26	15 35	0 44	15 3	2 11	19 52	0 4	16 35	1 8	27 23	3 38	16 59	16 39	6 12		n.a.
S 6	22 5	10 50	1 20	14 28	2 35	23 14	0 33	12 13	2 27	15 39	0 43	15 1	2 11	19 53	0 4	16 34	1 8	27 23	3 38	16 59	16 40	6 15		n.a.
S 7	22 14	5 31	2 19	14 47	2 28	23 0	0 23	12 5	2 28	15 43	0 43	15 0	2 11	19 54	0 4	16 34	1 8	27 23	3 38	16 58	16 41	6 18		n.a.
M 8	22 23	0 4	3 12	15 7	2 21	22 47	0 12	11 57	2 30	15 47	0 43	14 59	2 11	19 54	0 4	16 34	1 8	27 23	3 38	16 59	16 42	6 21		n.a.
T 9	22 31	5n22	3 57	15 29	2 13	22 34	0 1	11 49	2 31	15 51	0 43	14 57	2 11	19 55	0 4	16 33	1 8	27 23	3 38	17 0	16 42	6 24		n.a.
W10	22 40	10 37	4 31	15 52	2 5	22 20	0n10	11 41	2 32	15 54	0 43	14 56	2 10	19 56	0 4	16 33	1 8	27 23	3 39	17 1	16 43	6 27		n.a.
T 11	22 47	15 32	4 54	16 15	1 56	22 6	0 22	11 34	2 33	15 58	0 43	14 54	2 10	19 57	0 4	16 32	1 8	27 24	3 39	17 3	16 44	6 31		n.a.
F 12	22 54	19 54	5 4	16 40	1 48	21 53	0 34	11 26	2 34	16 2	0 43	14 53	2 10	19 58	0 3	16 32	1 8	27 24	3 39	17 6	16 45	6 34		n.a.
S 13	23 1	23 30	5 0	17 4	1 39	21 39	0 47	11 19	2 36	16 6	0 43	14 51	2 10	19 58	0 3	16 32	1 8	27 24	3 39	17 9	16 46	6 37		n.a.
S 14	23 7	26 4	4 41	17 30	1 31	21 25	0 59	11 11	2 37	16 9	0 43	14 49	2 10	19 59	0 3	16 31	1 8	27 24	3 39	17 12	16 47	6 40		n.a.
M15	23 13	27 20	4 9	17 55	1 22	21 11	1 13	11 4	2 38	16 13	0 43	14 48	2 9	20 0	0 3	16 31	1 8	27 24	3 39	17 15	16 48	6 43		n.a.
T 16	23 18	27 7	3 22	18 21	1 14	20 57	1 26	10 57	2 40	16 17	0 43	14 46	2 9	20 1	0 3	16 30	1 8	27 24	3 39	17 18	16 49	6 47		n.a.
W17	23 23	25 21	2 24	18 46	1 5	20 44	1 40	10 50	2 41	16 20	0 43	14 44	2 9	20 2	0 3	16 30	1 8	27 24	3 39	17 19	16 50	6 50		n.a.
T 18	23 27	22 9	1 17	19 11	0 56	20 30	1 54	10 43	2 42	16 24	0 43	14 43	2 9	20 2	0 3	16 29	1 8	27 24	3 39	17 20	16 51	6 53		n.a.
F 19	23 31	17 41	0 5	19 36	0 48	20 16	2 8	10 36	2 43	16 28	0 43	14 41	2 9	20 3	0 3	16 29	1 8	27 24	3 39	17 21	16 52	6 56		n.a.
S 20	23 35	12 16	1s 8	20 1	0 40	20 3	2 23	10 29	2 45	16 31	0 43	14 39	2 9	20 4	0 3	16 28	1 8	27 24	3 39	17 20	16 53	6 59		n.a.
S 21	23 37	6 11	2 19	20 25	0 31	19 50	2 38	10 23	2 46	16 35	0 43	14 37	2 9	20 5	0 3	16 28	1 8	27 24	3 39	17 20	16 54	7 2		n.a.
M22	23 40	0s15	3 21	20 49	0 23	19 36	2 53	10 17	2 48	16 38	0 43	14 36	2 8	20 5	0 3	16 28	1 8	27 24	3 39	17 20	16 55	7 6		n.a.
T 23	23 42	6 42	4 13	21 12	0 15	19 23	3 8	10 10	2 49	16 42	0 43	14 34	2 8	20 6	0 3	16 27	1 8	27 24	3 39	17 20	16 55	7 9		n.a.
W24	23 43	12 52	4 48	21 34	0 7	19 11	3 23	10 4	2 50	16 45	0 43	14 32	2 8	20 7	0 3	16 27	1 8	27 24	3 39	17 21	16 56	7 12		n.a.
T 25	23 44	18 23	5 7	21 56	0s 1	18 58	3 38	9 58	2 52	16 48	0 43	14 30	2 8	20 8	0 3	16 26	1 8	27 25	3 40	17 22	16 57	7 15		n.a.
F 26	23 45	22 51	5 6	22 17	0 8	18 46	3 53	9 52	2 53	16 52	0 43	14 28	2 8	20 8	0 3	16 25	1 8	27 25	3 40	17 24	16 58	7 18		n.a.
S 27	23 45	25 56	4 46	22 37	0 16	18 34	4 8	9 47	2 54	16 55	0 43	14 26	2 8	20 9	0 3	16 25	1 8	27 25	3 40	17 26	16 59	7 21		n.a.
S 28	23 45	27 21	4 9	22 56	0 23	18 22	4 23	9 41	2 56	16 58	0 43	14 24	2 7	20 10	0 3	16 24	1 8	27 25	3 40	17 28	17 0	7 24		n.a.
M29	23 44	27 2	3 18	23 14	0 30	18 11	4 38	9 36	2 57	17 2	0 43	14 22	2 7	20 11	0 3	16 24	1 8	27 25	3 40	17 29	17 1	7 28		n.a.
T 30	23 42	25 5	2 17	23 32	0 37	18 0	4 52	9 31	2 59	17 5	0 43	14 20	2 7	20 11	0 3	16 23	1 8	27 25	3 40	17 31	17 2	7 31		n.a.
W31	23s41	21s48	1s 9	23s48	0s44	17s49	5n 7	9n26	3n 0	17s 8	0n43	14s18	2s 7	20s12	0n 3	16s23	1s 8	27s25	3s40	17s31	17s 3	7n34		n.a.

Julian Day Number = 1557394.5, Delta T = 04h26m35s
Ecliptic obliquity = 23°45'05, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'28, Lahiri = -10°09'28 Julian Calendar 1 Dec. 450 BCE == Greg. Calendar 26 Nov. 450 BCE

The year -449 astronomical counting style corresponds to year 450 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

JANUARY 449 BCE (-448) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 17 12	5♑26'06	11♒38	18♐ 6	14°R25	13♍30	19♏38	28♒ 7	29♏19	19♒ 5	29♐52	11°D36	13♒14	9♈14	n.a.	T 1
F 2	6 21 9	6°27'01	24° 9	19°36	13♑51	13°45	19°50	28°13	29°22	19° 6	29°54	11♒37	13°11	9°20	n.a.	F 2
S 3	6 25 5	7°27'54	6♓24	21° 7	13°15	14° 0	20° 1	28°18	29°25	19° 8	29°56	11°39	13° 8	9°27	n.a.	S 3
S 4	6 29 2	8°28'45	18°26	22°39	12°39	14°14	20°12	28°24	29°28	19°10	29°58	11°40	13° 5	9°34	n.a.	S 4
M 5	6 32 59	9°29'35	0♈20	24°12	12° 2	14°28	20°24	28°30	29°31	19°12	29°59	11°42	13° 2	9°40	n.a.	M 5
T 6	6 36 55	10°30'24	12°11	25°45	11°24	14°41	20°35	28°36	29°34	19°14	0♑ 1	11°R42	12°58	9°47	n.a.	T 6
W 7	6 40 52	11°31'10	24° 4	27°20	10°47	14°54	20°46	28°42	29°37	19°16	0° 3	11°41	12°55	9°54	n.a.	W 7
T 8	6 44 48	12°31'55	6♉ 3	28°55	10°10	15° 6	20°56	28°48	29°40	19°17	0° 5	11°39	12°52	10° 1	n.a.	T 8
F 9	6 48 45	13°32'38	18°14	0♑30	9°33	15°17	21° 7	28°54	29°43	19°19	0° 7	11°36	12°49	10° 7	n.a.	F 9
S 10	6 52 41	14°33'20	0♊40	2° 7	8°57	15°28	21°18	29° 0	29°46	19°21	0° 9	11°31	12°46	10°14	n.a.	S 10
S 11	6 56 38	15°33'59	13°22	3°44	8°21	15°39	21°28	29° 6	29°49	19°23	0°11	11°27	12°43	10°21	n.a.	S 11
M12	7 0 35	16°34'37	26°23	5°23	7°47	15°49	21°39	29°13	29°51	19°25	0°13	11°23	12°39	10°27	n.a.	M12
T 13	7 4 31	17°35'14	9♋43	7° 2	7°15	15°58	21°49	29°19	29°54	19°27	0°14	11°19	12°36	10°34	n.a.	T 13
W14	7 8 28	18°35'49	23°20	8°42	6°43	16° 7	22° 0	29°25	29°57	19°29	0°16	11°17	12°33	10°41	n.a.	W14
T 15	7 12 24	19°36'22	7♌11	10°22	6°14	16°15	22°10	29°32	29°59	19°31	0°18	11°D16	12°30	10°47	n.a.	T 15
F 16	7 16 21	20°36'53	21°14	12° 4	5°47	16°23	22°20	29°38	0♐ 2	19°33	0°20	11°17	12°27	10°54	n.a.	F 16
S 17	7 20 17	21°37'23	5♍25	13°47	5°21	16°29	22°30	29°45	0° 5	19°35	0°22	11°18	12°23	11° 1	n.a.	S 17
S 18	7 24 14	22°37'51	19°39	15°30	4°58	16°36	22°40	29°51	0° 7	19°37	0°24	11°19	12°20	11° 8	n.a.	S 18
M19	7 28 10	23°38'18	3♎55	17°15	4°37	16°41	22°50	29°58	0°10	19°39	0°25	11°20	12°17	11°14	n.a.	M19
T 20	7 32 7	24°38'43	18° 9	19° 0	4°18	16°46	22°59	0♓ 5	0°12	19°42	0°27	11°R21	12°14	11°21	n.a.	T 20
W21	7 36 4	25°39'07	2♏18	20°46	4° 2	16°50	23° 9	0°11	0°15	19°44	0°29	11°21	12°11	11°28	n.a.	W21
T 22	7 40 0	26°39'29	16°22	22°34	3°49	16°54	23°18	0°18	0°17	19°46	0°31	11°20	12° 8	11°34	n.a.	T 22
F 23	7 43 57	27°39'50	0♐18	24°22	3°37	16°57	23°27	0°25	0°19	19°48	0°33	11°19	12° 4	11°41	n.a.	F 23
S 24	7 47 53	28°40'10	14° 4	26°11	3°29	16°59	23°37	0°32	0°22	19°50	0°34	11°17	12° 1	11°48	n.a.	S 24
S 25	7 51 50	29°40'27	27°39	28° 1	3°23	17° 0	23°46	0°39	0°24	19°52	0°36	11°15	11°58	11°54	n.a.	S 25
M26	7 55 46	0♒40'43	11♑ 1	29°53	3°19	17°R 1	23°55	0°46	0°26	19°54	0°38	11°14	11°55	12° 1	n.a.	M26
T 27	7 59 43	1°40'58	24° 8	1♒45	3°D18	17° 1	24° 4	0°53	0°29	19°57	0°39	11°13	11°52	12° 8	n.a.	T 27
W28	8 3 39	2°41'10	7♒ 1	3°37	3°19	17° 0	24°12	1° 0	0°31	19°59	0°41	11°D13	11°49	12°15	n.a.	W28
T 29	8 7 36	3°41'20	19°39	5°31	3°22	16°59	24°21	1° 7	0°33	20° 1	0°43	11°13	11°45	12°21	n.a.	T 29
F 30	8 11 33	4°41'28	2♓ 3	7°26	3°28	16°56	24°29	1°14	0°35	20° 3	0°44	11°13	11°42	12°28	n.a.	F 30
S 31	8 15 29	5♒41'34	14♓15	9♒21	3♑36	16♍53	24♏38	1♓21	0♐37	20♒ 5	0♑46	11♒14	11♒39	12♈35	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s38	17s31	0n 0	24s 3	0s50	17s39	5n20	9n21	3n 1	17s11	0n43	14s16	2s 7	20s13	0n 3	16s22	1s 8	27s25	3s40	17s32	17s 4	7n37		n.a.
F 2	23 35	12 35	1 8	24 17	0 57	17 29	5 34	9 17	3 3	17 14	0 43	14 14	2 7	20 13	0 3	16 22	1 8	27 25	3 40	17 31	17 5	7 40		n.a.
S 3	23 32	7 15	2 11	24 30	1 3	17 20	5 47	9 12	3 4	17 17	0 43	14 12	2 7	20 14	0 3	16 21	1 8	27 25	3 40	17 31	17 6	7 43		n.a.
S 4	23 29	1 46	3 8	24 41	1 9	17 11	5 59	9 8	3 6	17 20	0 43	14 9	2 7	20 15	0 3	16 20	1 8	27 25	3 40	17 30	17 7	7 46		n.a.
M 5	23 24	3n43	3 55	24 51	1 14	17 3	6 11	9 4	3 7	17 23	0 43	14 7	2 6	20 15	0 3	16 20	1 8	27 26	3 40	17 30	17 7	7 49		n.a.
T 6	23 20	9 3	4 33	25 0	1 20	16 55	6 21	9 0	3 9	17 26	0 43	14 5	2 6	20 16	0 3	16 19	1 8	27 26	3 41	17 30	17 8	7 53		n.a.
W 7	23 15	14 4	4 58	25 8	1 25	16 48	6 32	8 56	3 10	17 29	0 43	14 3	2 6	20 17	0 3	16 19	1 8	27 26	3 41	17 30	17 9	7 56		n.a.
T 8	23 9	18 36	5 12	25 14	1 29	16 41	6 41	8 53	3 12	17 32	0 43	14 1	2 6	20 17	0 3	16 18	1 8	27 26	3 41	17 31	17 10	7 59		n.a.
F 9	23 3	22 27	5 11	25 19	1 34	16 36	6 50	8 50	3 13	17 35	0 43	13 58	2 6	20 18	0 3	16 17	1 8	27 26	3 41	17 32	17 11	8 2		n.a.
S 10	22 57	25 22	4 56	25 22	1 38	16 30	6 57	8 47	3 15	17 38	0 43	13 56	2 6	20 19	0 3	16 17	1 8	27 26	3 41	17 33	17 12	8 5		n.a.
S 11	22 50	27 6	4 26	25 24	1 42	16 26	7 4	8 44	3 16	17 41	0 43	13 54	2 6	20 19	0 3	16 16	1 8	27 26	3 41	17 34	17 13	8 8		n.a.
M12	22 42	27 24	3 42	25 24	1 46	16 22	7 10	8 42	3 18	17 43	0 43	13 51	2 6	20 20	0 3	16 15	1 8	27 26	3 41	17 35	17 14	8 11		n.a.
T 13	22 35	26 8	2 45	25 22	1 49	16 18	7 16	8 39	3 19	17 46	0 43	13 49	2 6	20 20	0 3	16 15	1 8	27 26	3 41	17 36	17 15	8 14		n.a.
W14	22 26	23 18	1 37	25 19	1 52	16 15	7 20	8 37	3 21	17 49	0 43	13 47	2 5	20 21	0 3	16 14	1 8	27 26	3 41	17 37	17 16	8 17		n.a.
T 15	22 18	19 5	0 22	25 15	1 54	16 13	7 23	8 35	3 22	17 51	0 43	13 44	2 5	20 22	0 3	16 14	1 8	27 27	3 42	17 37	17 17	8 21		n.a.
F 16	22 9	13 45	0s55	25 8	1 57	16 12	7 26	8 34	3 24	17 54	0 43	13 42	2 5	20 22	0 3	16 13	1 8	27 27	3 42	17 37	17 17	8 24		n.a.
S 17	21 59	7 39	2 9	25 0	1 59	16 11	7 28	8 32	3 25	17 57	0 43	13 39	2 5	20 23	0 3	16 12	1 8	27 27	3 42	17 37	17 18	8 27		n.a.
S 18	21 49	1 9	3 16	24 49	2 0	16 11	7 29	8 31	3 27	17 59	0 43	13 37	2 5	20 23	0 3	16 12	1 8	27 27	3 42	17 37	17 19	8 30		n.a.
M19	21 39	5s24	4 11	24 37	2 1	16 11	7 29	8 30	3 28	18 2	0 43	13 35	2 5	20 24	0 3	16 11	1 8	27 27	3 42	17 36	17 20	8 33		n.a.
T 20	21 28	11 40	4 50	24 24	2 2	16 12	7 29	8 30	3 29	18 4	0 43	13 32	2 5	20 24	0 3	16 10	1 8	27 27	3 42	17 36	17 21	8 36		n.a.
W21	21 17	17 18	5 12	24 8	2 2	16 14	7 28	8 29	3 31	18 7	0 43	13 30	2 5	20 25	0 3	16 9	1 8	27 27	3 42	17 36	17 22	8 39		n.a.
T 22	21 6	21 58	5 15	23 50	2 2	16 16	7 26	8 29	3 32	18 9	0 43	13 27	2 5	20 25	0 3	16 9	1 8	27 27	3 42	17 36	17 23	8 42		n.a.
F 23	20 54	25 20	4 59	23 30	2 1	16 19	7 24	8 30	3 34	18 11	0 43	13 25	2 5	20 26	0 3	16 8	1 8	27 27	3 42	17 37	17 24	8 45		n.a.
S 24	20 42	27 11	4 26	23 9	2 0	16 22	7 21	8 30	3 35	18 14	0 43	13 22	2 5	20 26	0 3	16 7	1 8	27 28	3 43	17 37	17 25	8 48		n.a.
S 25	20 29	27 22	3 38	22 45	1 58	16 25	7 17	8 31	3 37	18 16	0 43	13 19	2 5	20 27	0 3	16 7	1 8	27 28	3 43	17 37	17 26	8 51		n.a.
M26	20 16	25 56	2 40	22 20	1 56	16 29	7 14	8 32	3 38	18 18	0 43	13 17	2 4	20 27	0 3	16 6	1 8	27 28	3 43	17 38	17 26	8 55		n.a.
T 27	20 3	23 6	1 33	21 52	1 53	16 33	7 9	8 33	3 39	18 20	0 43	13 14	2 4	20 28	0 3	16 5	1 8	27 28	3 43	17 38	17 27	8 58		n.a.
W28	19 49	19 8	0 23	21 22	1 50	16 38	7 5	8 35	3 41	18 22	0 43	13 12	2 4	20 28	0 3	16 5	1 8	27 28	3 43	17 38	17 28	9 1		n.a.
T 29	19 35	14 23	0n47	20 51	1 46	16 43	7 0	8 37	3 42	18 25	0 43	13 9	2 4	20 29	0 3	16 4	1 8	27 28	3 43	17 38	17 29	9 4		n.a.
F 30	19 20	9 7	1 53	20 17	1 41	16 48	6 54	8 39	3 43	18 27	0 43	13 6	2 4	20 29	0 3	16 3	1 8	27 28	3 43	17 38	17 30	9 7		n.a.
S 31	19s 6	3s37	2n53	19s42	1s36	16s54	6n49	8n41	3n45	18s29	0n43	13s 4	2s 4	20s30	0n 3	16s 3	1s 8	27s28	3s44	17s38	17s31	9n10		n.a.

Julian Day Number = 1557425.5, Delta T = 04h26m34s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'24, Lahiri = -10°09'24 Julian Calendar 1 Jan. 449 BCE == Greg. Calendar 27 Dec. 450 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

FEBRUARY 449 BCE (-448) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 19 26	6♒41'38	26♓16	11♒17	3♑46	16°R49	24♏46	1♓28	0♐39	20♒ 8	0♑48	11♒14	11♒36	12♈41	n.a.	S 1
M 2	8 23 22	7°41'39	8♈10	13°13	3°59	16♍45	24°54	1°36	0°41	20°10	0°49	11°15	11°33	12°48	n.a.	M 2
T 3	8 27 19	8°41'39	20° 2	15° 9	4°13	16°39	25° 2	1°43	0°43	20°12	0°51	11°15	11°29	12°55	n.a.	T 3
W 4	8 31 15	9°41'36	1♉55	17° 6	4°30	16°33	25°10	1°50	0°45	20°14	0°52	11°15	11°26	13° 2	n.a.	W 4
T 5	8 35 12	10°41'31	13°53	19° 3	4°48	16°26	25°17	1°57	0°46	20°16	0°54	11°15	11°23	13° 8	n.a.	T 5
F 6	8 39 8	11°41'23	26° 3	20°59	5° 9	16°18	25°25	2° 5	0°48	20°19	0°56	11°15	11°20	13°15	n.a.	F 6
S 7	8 43 5	12°41'13	8♊27	22°55	5°31	16°10	25°32	2°12	0°50	20°21	0°57	11°15	11°17	13°22	n.a.	S 7
S 8	8 47 1	13°41'01	21°10	24°49	5°55	16° 1	25°40	2°19	0°52	20°23	0°59	11°16	11°14	13°28	n.a.	S 8
M 9	8 50 58	14°40'47	4♋15	26°43	6°21	15°51	25°47	2°27	0°53	20°25	1° 0	11°16	11°10	13°35	n.a.	M 9
T 10	8 54 55	15°40'30	17°43	28°35	6°48	15°40	25°54	2°34	0°55	20°28	1° 2	11°16	11° 7	13°42	n.a.	T 10
W11	8 58 51	16°40'11	1♌35	0♓25	7°17	15°28	26° 0	2°42	0°56	20°30	1° 3	11°17	11° 4	13°49	n.a.	W11
T 12	9 2 48	17°39'50	15°47	2°12	7°48	15°16	26° 7	2°49	0°58	20°32	1° 5	11°R17	11° 1	13°55	n.a.	T 12
F 13	9 6 44	18°39'27	0♍16	3°57	8°20	15° 3	26°14	2°57	0°59	20°35	1° 6	11°16	10°58	14° 2	n.a.	F 13
S 14	9 10 41	19°39'01	14°55	5°38	8°53	14°49	26°20	3° 4	1° 0	20°37	1° 7	11°16	10°54	14° 9	n.a.	S 14
S 15	9 14 37	20°38'33	29°39	7°15	9°28	14°35	26°26	3°12	1° 2	20°39	1° 9	11°15	10°51	14°15	n.a.	S 15
M16	9 18 34	21°38'04	14♎19	8°47	10° 4	14°20	26°32	3°19	1° 3	20°41	1°10	11°13	10°48	14°22	n.a.	M16
T 17	9 22 30	22°37'33	28°51	10°15	10°41	14° 4	26°38	3°27	1° 4	20°44	1°11	11°12	10°45	14°29	n.a.	T 17
W18	9 26 27	23°37'00	13♏ 9	11°38	11°20	13°48	26°44	3°34	1° 5	20°46	1°13	11°12	10°42	14°35	n.a.	W18
T 19	9 30 24	24°36'25	27°12	12°55	12° 0	13°30	26°49	3°42	1° 7	20°48	1°14	11°D11	10°39	14°42	n.a.	T 19
F 20	9 34 20	25°35'48	10♐57	14° 5	12°40	13°13	26°55	3°50	1° 8	20°50	1°15	11°12	10°35	14°49	n.a.	F 20
S 21	9 38 17	26°35'09	24°26	15°10	13°22	12°54	27° 0	3°57	1° 9	20°53	1°17	11°13	10°32	14°56	n.a.	S 21
S 22	9 42 13	27°34'29	7♑39	16° 8	14° 5	12°35	27° 5	4° 5	1°10	20°55	1°18	11°14	10°29	15° 2	n.a.	S 22
M23	9 46 10	28°33'46	20°37	16°58	14°49	12°16	27°10	4°12	1°11	20°57	1°19	11°15	10°26	15° 9	n.a.	M23
T 24	9 50 6	29°33'02	3♒21	17°42	15°34	11°56	27°15	4°20	1°11	21° 0	1°20	11°16	10°23	15°16	n.a.	T 24
W25	9 54 3	0♓32'15	15°54	18°19	16°20	11°36	27°20	4°28	1°12	21° 2	1°21	11°R16	10°20	15°22	n.a.	W25
T 26	9 57 59	1°31'27	28°16	18°48	17° 6	11°15	27°24	4°35	1°13	21° 4	1°22	11°15	10°16	15°29	n.a.	T 26
F 27	10 1 56	2°30'36	10♓28	19° 9	17°54	10°53	27°28	4°43	1°14	21° 6	1°24	11°13	10°13	15°36	n.a.	F 27
S 28	10 5 53	3°29'43	22°32	19°24	18°42	10°32	27°32	4°51	1°14	21° 8	1°25	11°10	10°10	15°43	n.a.	S 28
S 29	10 9 49	4♓28'48	4♈29	19°R31	19♑31	10♍10	27♏36	4♓58	1♐15	21♒11	1♑26	11♒ 7	10♒ 7	15♈49	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s50	1n56	3n45	19s 4	1s30	16s59	6n43	8n44	3n46	18s31	0n43	13s 1	2s 4	20s30	0n 3	16s 2	1s 8	27s29	3s44	17s38	17s32	9n13		n.a.
M 2	18 35	7 21	4 26	18 25	1 24	17 5	6 36	8 47	3 47	18 33	0 43	12 58	2 4	20 31	0 3	16 1	1 8	27 29	3 44	17 38	17 33	9 16		n.a.
T 3	18 19	12 29	4 56	17 44	1 17	17 11	6 30	8 50	3 48	18 35	0 43	12 56	2 4	20 31	0 3	16 0	1 8	27 29	3 44	17 38	17 34	9 19		n.a.
W 4	18 3	17 10	5 13	17 1	1 10	17 18	6 23	8 53	3 50	18 36	0 43	12 53	2 4	20 31	0 3	16 0	1 8	27 29	3 44	17 38	17 34	9 22		n.a.
T 5	17 47	21 14	5 17	16 17	1 1	17 24	6 16	8 57	3 51	18 38	0 43	12 50	2 4	20 32	0 3	15 59	1 8	27 29	3 44	17 38	17 35	9 25		n.a.
F 6	17 30	24 29	5 7	15 31	0 52	17 30	6 9	9 1	3 52	18 40	0 43	12 48	2 4	20 32	0 3	15 58	1 8	27 29	3 44	17 38	17 36	9 28		n.a.
S 7	17 13	26 39	4 42	14 44	0 43	17 36	6 2	9 6	3 53	18 42	0 43	12 45	2 4	20 32	0 3	15 57	1 8	27 29	3 45	17 38	17 37	9 31		n.a.
S 8	16 56	27 30	4 4	13 56	0 33	17 43	5 55	9 10	3 54	18 43	0 43	12 42	2 4	20 33	0 3	15 57	1 8	27 30	3 45	17 37	17 38	9 34		n.a.
M 9	16 38	26 52	3 11	13 7	0 22	17 49	5 47	9 15	3 55	18 45	0 43	12 40	2 4	20 33	0 3	15 56	1 8	27 30	3 45	17 37	17 39	9 37		n.a.
T 10	16 21	24 39	2 7	12 17	0 11	17 55	5 40	9 20	3 56	18 47	0 43	12 37	2 4	20 33	0 3	15 55	1 8	27 30	3 45	17 37	17 40	9 40		n.a.
W11	16 3	20 56	0 54	11 27	0n 1	18 1	5 32	9 25	3 56	18 48	0 43	12 34	2 4	20 34	0 3	15 55	1 8	27 30	3 45	17 37	17 41	9 43		n.a.
T 12	15 44	15 55	0s25	10 37	0 13	18 7	5 24	9 31	3 57	18 50	0 43	12 31	2 4	20 34	0 3	15 54	1 8	27 30	3 45	17 37	17 42	9 46		n.a.
F 13	15 26	9 55	1 43	9 47	0 26	18 13	5 17	9 37	3 58	18 52	0 43	12 29	2 4	20 34	0 3	15 53	1 8	27 30	3 46	17 37	17 42	9 49		n.a.
S 14	15 7	3 19	2 56	8 58	0 39	18 19	5 9	9 43	3 59	18 53	0 43	12 26	2 4	20 35	0 3	15 52	1 8	27 30	3 46	17 37	17 43	9 52		n.a.
S 15	14 48	3s28	3 57	8 10	0 52	18 24	5 1	9 49	3 59	18 54	0 43	12 23	2 4	20 35	0 3	15 52	1 8	27 31	3 46	17 38	17 44	9 55		n.a.
M16	14 29	10 2	4 42	7 22	1 5	18 30	4 53	9 55	4 0	18 56	0 43	12 20	2 4	20 35	0 3	15 51	1 8	27 31	3 46	17 38	17 45	9 58		n.a.
T 17	14 9	16 0	5 9	6 37	1 19	18 35	4 45	10 2	4 0	18 57	0 43	12 17	2 4	20 36	0 3	15 50	1 8	27 31	3 46	17 38	17 46	10 1		n.a.
W18	13 49	21 0	5 16	5 53	1 32	18 39	4 37	10 8	4 0	18 59	0 43	12 15	2 4	20 36	0 3	15 49	1 8	27 31	3 46	17 39	17 47	10 4		n.a.
T 19	13 29	24 43	5 4	5 11	1 45	18 44	4 29	10 15	4 1	19 0	0 43	12 12	2 4	20 36	0 3	15 49	1 8	27 31	3 46	17 39	17 48	10 7		n.a.
F 20	13 9	26 55	4 35	4 32	1 58	18 48	4 21	10 23	4 1	19 1	0 44	12 9	2 4	20 36	0 3	15 48	1 8	27 31	3 47	17 39	17 49	10 10		n.a.
S 21	12 49	27 29	3 51	3 55	2 11	18 52	4 14	10 30	4 1	19 2	0 44	12 6	2 4	20 36	0 3	15 47	1 8	27 32	3 47	17 38	17 49	10 13		n.a.
S 22	12 28	26 27	2 55	3 21	2 23	18 55	4 6	10 37	4 1	19 3	0 44	12 3	2 4	20 37	0 3	15 47	1 8	27 32	3 47	17 38	17 50	10 16		n.a.
M23	12 8	23 59	1 52	2 51	2 34	18 58	3 58	10 45	4 1	19 4	0 44	12 1	2 4	20 37	0 3	15 46	1 8	27 32	3 47	17 38	17 51	10 19		n.a.
T 24	11 47	20 22	0 44	2 24	2 45	19 1	3 50	10 52	4 1	19 6	0 44	11 58	2 4	20 37	0 3	15 45	1 8	27 32	3 47	17 37	17 52	10 22		n.a.
W25	11 26	15 52	0n25	2 0	2 55	19 4	3 42	11 0	4 0	19 7	0 44	11 55	2 4	20 37	0 3	15 44	1 8	27 32	3 48	17 37	17 53	10 25		n.a.
T 26	11 4	10 47	1 32	1 41	3 4	19 6	3 35	11 8	4 0	19 8	0 44	11 52	2 4	20 37	0 3	15 44	1 8	27 32	3 48	17 37	17 54	10 28		n.a.
F 27	10 43	5 22	2 34	1 25	3 12	19 7	3 27	11 16	4 0	19 9	0 44	11 49	2 4	20 38	0 3	15 43	1 8	27 32	3 48	17 38	17 55	10 31		n.a.
S 28	10 21	0n10	3 28	1 13	3 19	19 8	3 19	11 23	3 59	19 9	0 44	11 47	2 4	20 38	0 3	15 42	1 8	27 33	3 48	17 39	17 56	10 34		n.a.
S 29	10s 0	5n39	4n12	1s 5	3n24	19s 9	3n12	11n31	3n58	19s10	0n44	11s44	2s 4	20s38	0n 3	15s42	1s 8	27s33	3s48	17s40	17s56	10n37		n.a.

Julian Day Number = 1557456.5, Delta T = 04h26m32s
Ecliptic obliquity = 23°45'05, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'20, Lahiri = -10°09'20 Julian Calendar 1 Feb. 449 BCE == Greg. Calendar 27 Jan. 449 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

MARCH 449 BCE (-448) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 13 46	5♓27'50	16♈22	19°R31	20♉20	9°R48	27♏40	5♓ 6	1♐16	21♒13	1♉27	11°R 2	10♒ 4	15♈56	n.a.	M 1
T 2	10 17 42	6°26'50	28°13	19♓24	21°11	9♍25	27°43	5°14	1°16	21°15	1°28	10♒58	10° 0	16° 3	n.a.	T 2
W 3	10 21 39	7°25'48	10♉ 6	19°10	22° 2	9° 2	27°47	5°21	1°17	21°17	1°29	10°55	9°57	16° 9	n.a.	W 3
T 4	10 25 35	8°24'43	22° 3	18°50	22°54	8°40	27°50	5°29	1°17	21°20	1°30	10°53	9°54	16°16	n.a.	T 4
F 5	10 29 32	9°23'37	4♊10	18°24	23°46	8°17	27°53	5°37	1°17	21°22	1°31	10°D51	9°51	16°23	n.a.	F 5
S 6	10 33 28	10°22'27	16°31	17°54	24°39	7°54	27°56	5°44	1°18	21°24	1°32	10°51	9°48	16°30	n.a.	S 6
S 7	10 37 25	11°21'16	29° 9	17°18	25°32	7°31	27°59	5°52	1°18	21°26	1°32	10°52	9°45	16°36	n.a.	S 7
M 8	10 41 21	12°20'02	12♋11	16°40	26°27	7° 8	28° 1	6° 0	1°18	21°28	1°33	10°54	9°41	16°43	n.a.	M 8
T 9	10 45 18	13°18'46	25°37	15°58	27°21	6°45	28° 3	6° 7	1°18	21°30	1°34	10°55	9°38	16°50	n.a.	T 9
W10	10 49 15	14°17'27	9♌31	15°14	28°16	6°23	28° 6	6°15	1°18	21°33	1°35	10°R56	9°35	16°56	n.a.	W10
T 11	10 53 11	15°16'06	23°52	14°29	29°12	6° 0	28° 7	6°22	1°R18	21°35	1°36	10°56	9°32	17° 3	n.a.	T 11
F 12	10 57 8	16°14'43	8♍35	13°44	0♒ 8	5°38	28° 9	6°30	1°18	21°37	1°36	10°53	9°29	17°10	n.a.	F 12
S 13	11 1 4	17°13'18	23°35	12°59	1° 5	5°16	28°11	6°38	1°18	21°39	1°37	10°49	9°26	17°17	n.a.	S 13
S 14	11 5 1	18°11'50	8♎42	12°15	2° 2	4°54	28°12	6°45	1°18	21°41	1°38	10°44	9°22	17°23	n.a.	S 14
M15	11 8 57	19°10'21	23°47	11°34	2°59	4°33	28°13	6°53	1°18	21°43	1°39	10°39	9°19	17°30	n.a.	M15
T 16	11 12 54	20° 8'50	8♏41	10°55	3°57	4°12	28°14	7° 0	1°18	21°45	1°39	10°33	9°16	17°37	n.a.	T 16
W17	11 16 50	21° 7'17	23°16	10°20	4°56	3°51	28°15	7° 8	1°18	21°47	1°40	10°29	9°13	17°43	n.a.	W17
T 18	11 20 47	22° 5'43	7♐28	9°48	5°54	3°31	28°16	7°15	1°17	21°49	1°40	10°26	9°10	17°50	n.a.	T 18
F 19	11 24 44	23° 4'07	21°16	9°21	6°53	3°12	28°16	7°23	1°17	21°51	1°41	10°D25	9° 6	17°57	n.a.	F 19
S 20	11 28 40	24° 2'29	4♑39	8°58	7°53	2°53	28°17	7°30	1°16	21°53	1°42	10°26	9° 3	18° 4	n.a.	S 20
S 21	11 32 37	25° 0'50	17°41	8°40	8°53	2°34	28°R17	7°38	1°16	21°55	1°42	10°27	9° 0	18°10	n.a.	S 21
M22	11 36 33	25°59'09	0♒25	8°27	9°53	2°16	28°17	7°45	1°15	21°57	1°43	10°28	8°57	18°17	n.a.	M22
T 23	11 40 30	26°57'26	12°53	8°19	10°53	1°59	28°16	7°53	1°15	21°59	1°43	10°R29	8°54	18°24	n.a.	T 23
W24	11 44 26	27°55'42	25°10	8°D16	11°54	1°42	28°16	8° 0	1°14	22° 1	1°43	10°28	8°51	18°30	n.a.	W24
T 25	11 48 23	28°53'56	7♓18	8°17	12°55	1°26	28°15	8° 7	1°14	22° 3	1°44	10°24	8°47	18°37	n.a.	T 25
F 26	11 52 19	29°52'07	19°19	8°24	13°57	1°10	28°14	8°15	1°13	22° 5	1°44	10°19	8°44	18°44	n.a.	F 26
S 27	11 56 16	0♈50'18	1♈16	8°36	14°59	0°56	28°13	8°22	1°12	22° 7	1°45	10°11	8°41	18°51	n.a.	S 27
S 28	12 0 12	1°48'26	13° 9	8°52	16° 1	0°42	28°12	8°29	1°11	22° 9	1°45	10° 2	8°38	18°57	n.a.	S 28
M29	12 4 9	2°46'32	25° 1	9°13	17° 3	0°28	28°10	8°36	1°10	22°10	1°45	9°51	8°35	19° 4	n.a.	M29
T 30	12 8 6	3°44'37	6♉52	9°38	18° 5	0°16	28° 9	8°44	1°10	22°12	1°45	9°41	8°31	19°11	n.a.	T 30
W31	12 12 2	4♈42'40	18♉46	10♓ 7	19♒ 8	0♍ 4	28♏ 7	8♓51	1♐ 9	22♒14	1♉46	9♒32	8♒28	19♈17	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	9s38	10n53	4n45	1s 1	3n28	19s 9	3n 4	11n39	3n57	19s11	0n44	11s41	2s 4	20s38	0n 3	15s41	1s 8	27s33	3s48	17s41	17s57	10n40		n.a.
T 2	9 16	15 43	5 6	1 1	3 31	19 9	2 57	11 47	3 57	19 12	0 44	11 38	2 4	20 38	0 3	15 40	1 8	27 33	3 49	17 42	17 58	10 43		n.a.
W 3	8 54	19 59	5 13	1 6	3 32	19 8	2 49	11 55	3 56	19 13	0 44	11 35	2 4	20 38	0 3	15 39	1 8	27 33	3 49	17 43	17 59	10 46		n.a.
T 4	8 31	23 28	5 7	1 14	3 32	19 7	2 42	12 2	3 55	19 13	0 44	11 32	2 4	20 38	0 3	15 39	1 8	27 33	3 49	17 44	18 0	10 49		n.a.
F 5	8 9	25 58	4 48	1 25	3 30	19 5	2 35	12 10	3 53	19 14	0 44	11 30	2 4	20 38	0 3	15 38	1 8	27 34	3 49	17 44	18 1	10 52		n.a.
S 6	7 46	27 17	4 15	1 41	3 27	19 3	2 27	12 18	3 52	19 15	0 44	11 27	2 4	20 38	0 3	15 37	1 8	27 34	3 49	17 44	18 2	10 55		n.a.
S 7	7 24	27 14	3 29	1 59	3 21	19 1	2 20	12 25	3 51	19 15	0 44	11 24	2 4	20 38	0 3	15 37	1 8	27 34	3 49	17 44	18 2	10 58		n.a.
M 8	7 1	25 41	2 31	2 21	3 15	18 58	2 13	12 32	3 49	19 16	0 44	11 21	2 4	20 39	0 3	15 36	1 8	27 34	3 50	17 43	18 3	11 1		n.a.
T 9	6 38	22 39	1 23	2 45	3 6	18 54	2 6	12 40	3 48	19 16	0 44	11 18	2 4	20 39	0 3	15 35	1 8	27 34	3 50	17 43	18 4	11 4		n.a.
W10	6 16	18 13	0 8	3 11	2 56	18 50	1 59	12 47	3 46	19 17	0 44	11 16	2 4	20 39	0 3	15 35	1 8	27 35	3 50	17 43	18 5	11 7		n.a.
T 11	5 53	12 38	1s10	3 39	2 45	18 45	1 52	12 53	3 44	19 17	0 44	11 13	2 4	20 39	0 3	15 34	1 8	27 35	3 50	17 43	18 6	11 10		n.a.
F 12	5 30	6 13	2 25	4 8	2 33	18 40	1 46	13 0	3 42	19 18	0 44	11 10	2 5	20 39	0 3	15 33	1 8	27 35	3 50	17 44	18 7	11 13		n.a.
S 13	5 7	0s39	3 31	4 38	2 19	18 34	1 39	13 7	3 40	19 18	0 44	11 7	2 5	20 39	0 3	15 33	1 8	27 35	3 51	17 45	18 8	11 16		n.a.
S 14	4 44	7 31	4 23	5 8	2 5	18 28	1 32	13 13	3 38	19 18	0 44	11 4	2 5	20 39	0 3	15 32	1 8	27 35	3 51	17 46	18 8	11 19		n.a.
M15	4 20	13 56	4 57	5 38	1 50	18 21	1 26	13 19	3 36	19 18	0 44	11 2	2 5	20 39	0 3	15 31	1 8	27 35	3 51	17 48	18 9	11 21		n.a.
T 16	3 57	19 27	5 10	6 7	1 34	18 14	1 19	13 25	3 34	19 19	0 44	10 59	2 5	20 39	0 3	15 31	1 8	27 36	3 51	17 49	18 10	11 24		n.a.
W17	3 34	23 42	5 2	6 35	1 18	18 6	1 13	13 30	3 32	19 19	0 44	10 56	2 5	20 38	0 3	15 30	1 8	27 36	3 51	17 50	18 11	11 27		n.a.
T 18	3 11	26 23	4 36	7 2	1 2	17 58	1 7	13 36	3 30	19 19	0 44	10 53	2 5	20 38	0 3	15 29	1 8	27 36	3 52	17 51	18 12	11 30		n.a.
F 19	2 47	27 22	3 55	7 28	0 46	17 49	1 0	13 41	3 27	19 19	0 44	10 51	2 5	20 38	0 3	15 29	1 8	27 36	3 52	17 51	18 13	11 33		n.a.
S 20	2 24	26 42	3 2	7 51	0 29	17 40	0 54	13 45	3 25	19 19	0 44	10 48	2 5	20 38	0 3	15 28	1 8	27 36	3 52	17 51	18 14	11 36		n.a.
S 21	2 0	24 33	2 0	8 13	0 13	17 30	0 48	13 50	3 22	19 19	0 44	10 45	2 5	20 38	0 3	15 28	1 8	27 37	3 52	17 51	18 14	11 39		n.a.
M22	1 37	21 12	0 54	8 32	0s 2	17 19	0 42	13 54	3 20	19 19	0 44	10 42	2 5	20 38	0 3	15 27	1 8	27 37	3 52	17 51	18 15	11 42		n.a.
T 23	1 14	16 57	0n13	8 50	0 17	17 9	0 36	13 58	3 17	19 19	0 44	10 40	2 5	20 38	0 3	15 26	1 8	27 37	3 52	17 50	18 16	11 45		n.a.
W24	0 50	12 4	1 18	9 4	0 32	16 57	0 31	14 2	3 14	19 19	0 44	10 37	2 6	20 38	0 3	15 26	1 8	27 37	3 53	17 51	18 17	11 48		n.a.
T 25	0 27	6 47	2 19	9 17	0 46	16 45	0 25	14 5	3 12	19 19	0 44	10 34	2 6	20 38	0 3	15 25	1 8	27 37	3 53	17 52	18 18	11 51		n.a.
F 26	0 3	1 19	3 13	9 26	0 59	16 33	0 20	14 8	3 9	19 19	0 44	10 32	2 6	20 38	0 3	15 24	1 8	27 37	3 53	17 53	18 19	11 53		n.a.
S 27	0n20	4n 9	3 58	9 34	1 12	16 20	0 14	14 11	3 6	19 18	0 44	10 29	2 6	20 37	0 3	15 24	1 8	27 38	3 53	17 55	18 19	11 56		n.a.
S 28	0 44	9 26	4 33	9 39	1 24	16 6	0 9	14 13	3 3	19 18	0 44	10 26	2 6	20 37	0 3	15 23	1 8	27 38	3 53	17 58	18 20	11 59		n.a.
M29	1 7	14 22	4 55	9 41	1 35	15 52	0 4	14 15	3 1	19 18	0 44	10 24	2 6	20 37	0 3	15 23	1 9	27 38	3 54	18 1	18 21	12 2		n.a.
T 30	1 30	18 46	5 5	9 41	1 46	15 38	0s 2	14 17	2 58	19 17	0 44	10 21	2 6	20 37	0 3	15 22	1 9	27 38	3 54	18 3	18 22	12 5		n.a.
W31	1n54	22n27	5n 1	9s39	1s56	15s23	0s 7	14n19	2n55	19s17	0n44	10s18	2s 6	20s37	0n 3	15s22	1s 9	27s38	3s54	18s 6	18s23	12n 8		n.a.

Julian Day Number = 1557485.5, Delta T = 04h26m31s
Ecliptic obliquity = 23°45'05, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'16, Lahiri = -10°09'16 Julian Calendar 1 March 449 BCE == Greg. Calendar 25 Feb. 449 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

APRIL 449 BCE (-448) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 15 59	5♈40'41	0♊45	10♓41	20♒11	29°R53	28°R 5	8♓58	1°R 8	22♒16	1♑46	9°R25	8♒25	19♈24	n.a.	T 1
F 2	12 19 55	6°38'40	12°52	11°18	21°14	29♌43	28♏ 3	9° 5	1♐ 7	22°18	1°46	9♒20	8°22	19°31	n.a.	F 2
S 3	12 23 52	7°36'37	25°10	12° 0	22°18	29°34	28° 0	9°12	1° 6	22°19	1°46	9°17	8°19	19°38	n.a.	S 3
S 4	12 27 48	8°34'32	7♋45	12°45	23°21	29°26	27°58	9°19	1° 4	22°21	1°46	9°D16	8°16	19°44	n.a.	S 4
M 5	12 31 45	9°32'25	20°41	13°33	24°25	29°18	27°55	9°26	1° 3	22°23	1°46	9°16	8°12	19°51	n.a.	M 5
T 6	12 35 41	10°30'16	4♌ 1	14°25	25°29	29°11	27°52	9°33	1° 2	22°24	1°46	9°R17	8° 9	19°58	n.a.	T 6
W 7	12 39 38	11°28'06	17°48	15°20	26°33	29° 5	27°49	9°40	1° 1	22°26	1°46	9°17	8° 6	20° 4	n.a.	W 7
T 8	12 43 35	12°25'53	2♍ 4	16°18	27°38	29° 0	27°46	9°47	0°59	22°28	1°R46	9°15	8° 3	20°11	n.a.	T 8
F 9	12 47 31	13°23'39	16°47	17°19	28°43	28°55	27°43	9°54	0°58	22°29	1°46	9°11	8° 0	20°18	n.a.	F 9
S 10	12 51 28	14°21'23	1♎51	18°24	29°47	28°52	27°39	10° 1	0°57	22°31	1°46	9° 4	7°57	20°25	n.a.	S 10
S 11	12 55 24	15°19'05	17° 9	19°31	0♓52	28°49	27°35	10° 7	0°55	22°32	1°46	8°55	7°53	20°31	n.a.	S 11
M12	12 59 21	16°16'46	2♏28	20°40	1°58	28°47	27°31	10°14	0°54	22°34	1°46	8°46	7°50	20°38	n.a.	M12
T 13	13 3 17	17°14'25	17°37	21°53	3° 3	28°46	27°27	10°21	0°52	22°35	1°46	8°36	7°47	20°45	n.a.	T 13
W14	13 7 14	18°12'04	2♐28	23° 8	4° 9	28°D45	27°23	10°27	0°51	22°37	1°46	8°28	7°44	20°51	n.a.	W14
T 15	13 11 10	19° 9'41	16°52	24°26	5°14	28°45	27°19	10°34	0°49	22°38	1°46	8°22	7°41	20°58	n.a.	T 15
F 16	13 15 7	20° 7'17	0♑48	25°46	6°20	28°46	27°14	10°40	0°48	22°40	1°46	8°19	7°37	21° 5	n.a.	F 16
S 17	13 19 4	21° 4'52	14°15	27° 8	7°26	28°48	27° 9	10°47	0°46	22°41	1°45	8°18	7°34	21°12	n.a.	S 17
S 18	13 23 0	22° 2'26	27°16	28°34	8°33	28°51	27° 4	10°53	0°44	22°43	1°45	8°D17	7°31	21°18	n.a.	S 18
M19	13 26 57	22°59'59	9♒56	0♈ 1	9°39	28°54	26°59	11° 0	0°43	22°44	1°45	8°R18	7°28	21°25	n.a.	M19
T 20	13 30 53	23°57'31	22°17	1°31	10°45	28°58	26°54	11° 6	0°41	22°45	1°44	8°17	7°25	21°32	n.a.	T 20
W21	13 34 50	24°55'02	4♓26	3° 3	11°52	29° 3	26°49	11°12	0°39	22°46	1°44	8°14	7°22	21°38	n.a.	W21
T 22	13 38 46	25°52'31	16°26	4°37	12°59	29° 8	26°43	11°19	0°37	22°48	1°44	8° 9	7°18	21°45	n.a.	T 22
F 23	13 42 43	26°50'00	28°20	6°14	14° 6	29°15	26°38	11°25	0°35	22°49	1°43	8° 1	7°15	21°52	n.a.	F 23
S 24	13 46 39	27°47'28	10♈12	7°54	15°13	29°22	26°32	11°31	0°33	22°50	1°43	7°50	7°12	21°59	n.a.	S 24
S 25	13 50 36	28°44'54	22° 3	9°35	16°20	29°29	26°26	11°37	0°31	22°51	1°43	7°38	7° 9	22° 5	n.a.	S 25
M26	13 54 33	29°42'20	3♉55	11°19	17°27	29°37	26°20	11°43	0°30	22°53	1°42	7°24	7° 6	22°12	n.a.	M26
T 27	13 58 29	0♉39'45	15°50	13° 5	18°34	29°46	26°14	11°49	0°28	22°54	1°42	7°10	7° 3	22°19	n.a.	T 27
W28	14 2 26	1°37'08	27°49	14°53	19°42	29°56	26° 8	11°55	0°26	22°55	1°41	6°58	6°59	22°25	n.a.	W28
T 29	14 6 22	2°34'30	9♊53	16°44	20°50	0♏ 6	26° 2	12° 1	0°24	22°56	1°40	6°47	6°56	22°32	n.a.	T 29
F 30	14 10 19	3♉31'52	22♊ 5	18♈37	21♓57	0♏17	25♏55	12♓ 6	0♐21	22♒57	1♑40	6♒39	6♒53	22♈39	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n17	25n12	4n44	9s35	2s 5	15s 8	0s11	14n20	2n52	19s16	0n44	10s16	2s 6	20s37	0n 3	15s21	1s 9	27s39	3s54	18s 8	18s24	12n11		n.a.
F 2	2 40	26 51	4 15	9 28	2 13	14 52	0 16	14 21	2 49	19 16	0 44	10 13	2 7	20 36	0 3	15 21	1 9	27 39	3 54	18 9	18 25	12 14		n.a.
S 3	3 3	27 13	3 33	9 19	2 21	14 36	0 21	14 21	2 46	19 15	0 44	10 10	2 7	20 36	0 3	15 20	1 9	27 39	3 55	18 10	18 25	12 16		n.a.
S 4	3 27	26 11	2 40	9 8	2 27	14 19	0 26	14 22	2 43	19 15	0 44	10 8	2 7	20 36	0 3	15 19	1 9	27 39	3 55	18 10	18 26	12 19		n.a.
M 5	3 50	23 45	1 38	8 54	2 33	14 2	0 30	14 22	2 40	19 14	0 44	10 5	2 7	20 36	0 3	15 19	1 9	27 39	3 55	18 10	18 27	12 22		n.a.
T 6	4 13	19 58	0 28	8 39	2 39	13 44	0 35	14 21	2 37	19 14	0 44	10 3	2 7	20 35	0 3	15 18	1 9	27 40	3 55	18 10	18 28	12 25		n.a.
W 7	4 36	14 59	0s45	8 21	2 43	13 26	0 39	14 21	2 34	19 13	0 44	10 0	2 7	20 35	0 3	15 18	1 9	27 40	3 55	18 10	18 29	12 28		n.a.
T 8	4 58	9 2	1 58	8 2	2 47	13 7	0 43	14 20	2 31	19 12	0 44	9 58	2 7	20 35	0 3	15 17	1 9	27 40	3 56	18 10	18 30	12 31		n.a.
F 9	5 21	2 26	3 6	7 41	2 50	12 49	0 47	14 19	2 28	19 11	0 44	9 55	2 8	20 35	0 3	15 17	1 9	27 40	3 56	18 12	18 30	12 34		n.a.
S 10	5 44	4s26	4 2	7 17	2 53	12 29	0 51	14 17	2 25	19 11	0 44	9 53	2 8	20 34	0 3	15 16	1 9	27 40	3 56	18 13	18 31	12 36		n.a.
S 11	6 6	11 8	4 41	6 52	2 55	12 10	0 55	14 15	2 22	19 10	0 44	9 50	2 8	20 34	0 3	15 16	1 9	27 41	3 56	18 16	18 32	12 39		n.a.
M12	6 29	17 11	5 1	6 26	2 56	11 50	0 59	14 13	2 20	19 9	0 44	9 48	2 8	20 34	0 3	15 15	1 9	27 41	3 56	18 18	18 33	12 42		n.a.
T 13	6 51	22 5	4 59	5 57	2 56	11 29	1 2	14 11	2 17	19 8	0 44	9 46	2 8	20 33	0 3	15 15	1 9	27 41	3 57	18 21	18 34	12 45		n.a.
W14	7 14	25 26	4 37	5 27	2 56	11 8	1 6	14 9	2 14	19 7	0 44	9 43	2 8	20 33	0 3	15 15	1 9	27 41	3 57	18 23	18 35	12 48		n.a.
T 15	7 36	27 2	3 57	4 55	2 55	10 47	1 9	14 6	2 11	19 6	0 44	9 41	2 9	20 33	0 3	15 14	1 9	27 41	3 57	18 24	18 35	12 50		n.a.
F 16	7 58	26 50	3 5	4 21	2 53	10 26	1 13	14 3	2 8	19 5	0 44	9 38	2 9	20 32	0 3	15 14	1 9	27 41	3 57	18 25	18 36	12 53		n.a.
S 17	8 20	25 2	2 4	3 46	2 51	10 4	1 16	14 0	2 5	19 4	0 44	9 36	2 9	20 32	0 3	15 13	1 9	27 42	3 57	18 26	18 37	12 56		n.a.
S 18	8 42	21 56	0 58	3 9	2 48	9 41	1 19	13 56	2 2	19 3	0 44	9 34	2 9	20 32	0 3	15 13	1 9	27 42	3 58	18 26	18 38	12 59		n.a.
M19	9 3	17 51	0n 9	2 31	2 45	9 19	1 22	13 52	2 0	19 2	0 44	9 31	2 9	20 31	0 3	15 12	1 9	27 42	3 58	18 26	18 39	13 2		n.a.
T 20	9 25	13 6	1 13	1 51	2 41	8 56	1 25	13 48	1 57	19 1	0 44	9 29	2 9	20 31	0 3	15 12	1 9	27 42	3 58	18 26	18 39	13 5		n.a.
W21	9 46	7 56	2 14	1 10	2 36	8 33	1 28	13 44	1 54	18 59	0 44	9 27	2 10	20 31	0 3	15 12	1 9	27 42	3 58	18 27	18 40	13 7		n.a.
T 22	10 7	2 33	3 7	0 27	2 31	8 10	1 30	13 39	1 51	18 58	0 44	9 25	2 10	20 30	0 3	15 11	1 9	27 43	3 58	18 28	18 41	13 10		n.a.
F 23	10 29	2n52	3 52	0n17	2 26	7 46	1 33	13 35	1 49	18 57	0 44	9 22	2 10	20 30	0 3	15 11	1 10	27 43	3 58	18 30	18 42	13 13		n.a.
S 24	10 49	8 9	4 26	1 2	2 19	7 22	1 35	13 30	1 46	18 56	0 43	9 20	2 10	20 30	0 3	15 11	1 10	27 43	3 59	18 33	18 43	13 16		n.a.
S 25	11 10	13 9	4 49	1 49	2 13	6 58	1 38	13 25	1 43	18 54	0 43	9 18	2 10	20 29	0 3	15 10	1 10	27 43	3 59	18 36	18 44	13 18		n.a.
M26	11 31	17 40	4 59	2 37	2 5	6 33	1 40	13 19	1 41	18 53	0 43	9 16	2 11	20 29	0 2	15 10	1 10	27 43	3 59	18 40	18 44	13 21		n.a.
T 27	11 51	21 30	4 56	3 26	1 58	6 8	1 42	13 14	1 38	18 52	0 43	9 14	2 11	20 28	0 2	15 10	1 10	27 44	3 59	18 43	18 45	13 24		n.a.
W28	12 11	24 29	4 40	4 16	1 49	5 43	1 44	13 8	1 35	18 50	0 43	9 12	2 11	20 28	0 2	15 9	1 10	27 44	3 59	18 46	18 46	13 27		n.a.
T 29	12 31	26 22	4 12	5 7	1 41	5 18	1 46	13 2	1 33	18 49	0 43	9 10	2 11	20 27	0 2	15 9	1 10	27 44	4 0	18 49	18 47	13 30		n.a.
F 30	12n51	27n 2	3n31	5n58	1s32	4s53	1s48	12n55	1n30	18s47	0n43	9s 8	2s11	20s27	0n 2	15s 9	1s10	27s44	4s 0	18s51	18s48	13n32		n.a.

Julian Day Number = 1557516.5, Delta T = 04h26m30s
Ecliptic obliquity = 23°45'05, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'12, Lahiri = -10°09'11 Julian Calendar 1 Apr. 449 BCE == Greg. Calendar 27 March 449 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

MAY 449 BCE (-448) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 14 15	4♉29'12	4♋27	20♈32	23♓ 5	0♍29	25°R49	12♓12	0°R19	22♒58	1°R39	6°R35	6♒50	22♈46	n.a.	S 1
S 2	14 18 12	5°26'31	17° 4	22°29	24°13	0°41	25♏42	12°18	0♐17	22°59	1♑39	6♒32	6°47	22°52	n.a.	S 2
M 3	14 22 8	6°23'49	29°57	24°28	25°21	0°54	25°35	12°23	0°15	23° 0	1°38	6°31	6°43	22°59	n.a.	M 3
T 4	14 26 5	7°21'05	13♌12	26°30	26°29	1° 7	25°28	12°29	0°13	23° 1	1°37	6°31	6°40	23° 6	n.a.	T 4
W 5	14 30 2	8°18'21	26°52	28°33	27°37	1°21	25°21	12°34	0°11	23° 2	1°37	6°31	6°37	23°13	n.a.	W 5
T 6	14 33 58	9°15'35	10♍58	0♉38	28°46	1°36	25°14	12°40	0° 9	23° 2	1°36	6°28	6°34	23°19	n.a.	T 6
F 7	14 37 55	10°12'48	25°30	2°44	29°54	1°51	25° 7	12°45	0° 6	23° 3	1°35	6°24	6°31	23°26	n.a.	F 7
S 8	14 41 51	11°10'00	10♎25	4°52	1♈ 2	2° 6	25° 0	12°50	0° 4	23° 4	1°34	6°16	6°28	23°33	n.a.	S 8
S 9	14 45 48	12° 7'12	25°35	7° 2	2°11	2°22	24°53	12°55	0° 2	23° 5	1°34	6° 7	6°24	23°39	n.a.	S 9
M10	14 49 44	13° 4'23	10♏52	9°12	3°20	2°39	24°46	13° 0	29♏59	23° 6	1°33	5°56	6°21	23°46	n.a.	M10
T 11	14 53 41	14° 1'33	26° 3	11°23	4°28	2°56	24°38	13° 5	29°57	23° 6	1°32	5°46	6°18	23°53	n.a.	T 11
W12	14 57 37	14°58'43	10♐58	13°34	5°37	3°14	24°31	13°10	29°55	23° 7	1°31	5°37	6°15	24° 0	n.a.	W12
T 13	15 1 34	15°55'52	25°29	15°46	6°46	3°32	24°23	13°15	29°53	23° 8	1°30	5°30	6°12	24° 6	n.a.	T 13
F 14	15 5 31	16°53'01	9♑32	17°57	7°55	3°51	24°16	13°20	29°50	23° 8	1°29	5°26	6° 9	24°13	n.a.	F 14
S 15	15 9 27	17°50'09	23° 5	20° 9	9° 4	4°10	24° 8	13°25	29°48	23° 9	1°29	5°24	6° 5	24°20	n.a.	S 15
S 16	15 13 24	18°47'18	6♒11	22°19	10°14	4°29	24° 1	13°29	29°45	23° 9	1°28	5°D23	6° 2	24°26	n.a.	S 16
M17	15 17 20	19°44'26	18°52	24°29	11°23	4°49	23°53	13°34	29°43	23°10	1°27	5°R23	5°59	24°33	n.a.	M17
T 18	15 21 17	20°41'34	1♓14	26°38	12°32	5°10	23°45	13°38	29°41	23°10	1°26	5°23	5°56	24°40	n.a.	T 18
W19	15 25 13	21°38'42	13°21	28°45	13°42	5°31	23°38	13°43	29°38	23°11	1°25	5°21	5°53	24°47	n.a.	W19
T 20	15 29 10	22°35'50	25°19	0♊51	14°51	5°52	23°30	13°47	29°36	23°11	1°24	5°17	5°49	24°53	n.a.	T 20
F 21	15 33 7	23°32'57	7♈11	2°56	16° 1	6°14	23°22	13°51	29°33	23°11	1°23	5°10	5°46	25° 0	n.a.	F 21
S 22	15 37 3	24°30'05	19° 2	4°58	17°10	6°36	23°15	13°55	29°31	23°12	1°22	5° 1	5°43	25° 7	n.a.	S 22
S 23	15 41 0	25°27'13	0♉54	6°59	18°20	6°59	23° 7	14° 0	29°29	23°12	1°21	4°49	5°40	25°14	n.a.	S 23
M24	15 44 56	26°24'20	12°49	8°58	19°30	7°22	22°59	14° 3	29°26	23°12	1°19	4°37	5°37	25°20	n.a.	M24
T 25	15 48 53	27°21'28	24°50	10°55	20°40	7°45	22°52	14° 7	29°24	23°13	1°18	4°25	5°34	25°27	n.a.	T 25
W26	15 52 49	28°18'35	6♊57	12°50	21°50	8° 9	22°44	14°11	29°21	23°13	1°17	4°14	5°30	25°34	n.a.	W26
T 27	15 56 46	29°15'42	19°12	14°43	23° 0	8°33	22°37	14°15	29°19	23°13	1°16	4° 4	5°27	25°40	n.a.	T 27
F 28	16 0 42	0♊12'49	1♋35	16°34	24°10	8°58	22°29	14°19	29°16	23°13	1°15	3°57	5°24	25°47	n.a.	F 28
S 29	16 4 39	1° 9'56	14° 8	18°23	25°20	9°23	22°21	14°22	29°14	23°13	1°14	3°53	5°21	25°54	n.a.	S 29
S 30	16 8 36	2° 7'03	26°54	20°10	26°30	9°48	22°14	14°26	29°12	23°13	1°13	3°51	5°18	26° 1	n.a.	S 30
M31	16 12 32	3♊ 4'09	9♌55	21♊54	27♈41	10♍14	22♏ 7	14♓29	29♏ 9	23♒13	1♑11	3°D51	5♒14	26♈ 7	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n11	26n21	2n41	6n51	1s22	4s27	1s50	12n49	1n28	18s46	0n43	9s 6	2s12	20s27	0n 2	15s 8	1s10	27s44	4s 0	18s52	18s48	13n35		n.a.
S 2	13 30	24 19	1 41	7 44	1 13	4 2	1 51	12 42	1 25	18 44	0 43	9 4	2 12	20 26	0 2	15 8	1 10	27 45	4 0	18 53	18 49	13 38		n.a.
M 3	13 50	20 59	0 35	8 38	1 3	3 36	1 53	12 35	1 23	18 43	0 43	9 2	2 12	20 26	0 2	15 8	1 10	27 45	4 0	18 53	18 50	13 41		n.a.
T 4	14 9	16 31	0s35	9 33	0 52	3 9	1 54	12 28	1 21	18 41	0 43	9 0	2 12	20 25	0 2	15 7	1 10	27 45	4 1	18 53	18 51	13 43		n.a.
W 5	14 27	11 4	1 45	10 27	0 42	2 43	1 56	12 21	1 18	18 40	0 43	8 58	2 12	20 25	0 2	15 7	1 10	27 45	4 1	18 53	18 52	13 46		n.a.
T 6	14 46	4 55	2 51	11 22	0 31	2 17	1 57	12 13	1 16	18 38	0 43	8 56	2 13	20 24	0 2	15 7	1 10	27 45	4 1	18 54	18 52	13 49		n.a.
F 7	15 4	1s40	3 48	12 16	0 20	1 50	1 58	12 6	1 13	18 36	0 42	8 54	2 13	20 24	0 2	15 7	1 10	27 46	4 1	18 55	18 53	13 52		n.a.
S 8	15 22	8 19	4 31	13 10	0 9	1 24	1 59	11 58	1 11	18 35	0 42	8 52	2 13	20 23	0 2	15 7	1 10	27 46	4 1	18 57	18 54	13 54		n.a.
S 9	15 40	14 35	4 55	14 3	0n 1	0 57	2 0	11 50	1 9	18 33	0 42	8 50	2 13	20 23	0 2	15 6	1 10	27 46	4 1	18 59	18 55	13 57		n.a.
M10	15 58	20 0	4 59	14 56	0 12	0 30	2 1	11 42	1 7	18 31	0 42	8 49	2 13	20 22	0 2	15 6	1 10	27 46	4 2	19 2	18 56	14 0		n.a.
T 11	16 15	24 5	4 42	15 48	0 22	0 3	2 1	11 33	1 4	18 30	0 42	8 47	2 14	20 22	0 2	15 6	1 10	27 46	4 2	19 4	18 56	14 2		n.a.
W12	16 32	26 26	4 6	16 38	0 33	0n24	2 2	11 25	1 2	18 28	0 42	8 45	2 14	20 21	0 2	15 6	1 10	27 46	4 2	19 7	18 57	14 5		n.a.
T 13	16 49	26 54	3 14	17 27	0 42	0 51	2 2	11 16	1 0	18 26	0 42	8 43	2 14	20 21	0 2	15 6	1 10	27 47	4 2	19 8	18 58	14 8		n.a.
F 14	17 6	25 36	2 12	18 14	0 52	1 18	2 3	11 7	0 58	18 25	0 42	8 42	2 14	20 20	0 2	15 5	1 11	27 47	4 2	19 10	18 59	14 11		n.a.
S 15	17 22	22 48	1 5	18 59	1 1	1 46	2 3	10 58	0 56	18 23	0 42	8 40	2 15	20 20	0 2	15 5	1 11	27 47	4 2	19 10	19 0	14 13		n.a.
S 16	17 38	18 54	0n 4	19 42	1 9	2 13	2 3	10 49	0 54	18 21	0 41	8 39	2 15	20 19	0 2	15 5	1 11	27 47	4 3	19 10	19 0	14 16		n.a.
M17	17 54	14 14	1 11	20 23	1 17	2 40	2 3	10 40	0 52	18 19	0 41	8 37	2 15	20 19	0 2	15 5	1 11	27 47	4 3	19 10	19 1	14 19		n.a.
T 18	18 9	9 7	2 12	21 1	1 25	3 8	2 3	10 30	0 49	18 17	0 41	8 36	2 15	20 18	0 2	15 5	1 11	27 47	4 3	19 10	19 2	14 21		n.a.
W19	18 25	3 45	3 7	21 37	1 31	3 35	2 3	10 21	0 47	18 16	0 41	8 34	2 16	20 18	0 2	15 5	1 11	27 48	4 3	19 11	19 3	14 24		n.a.
T 20	18 40	1n39	3 52	22 11	1 37	4 2	2 3	10 11	0 45	18 14	0 41	8 33	2 16	20 17	0 2	15 5	1 11	27 48	4 3	19 12	19 4	14 27		n.a.
F 21	18 54	6 58	4 27	22 42	1 43	4 29	2 3	10 1	0 43	18 12	0 41	8 31	2 16	20 17	0 2	15 5	1 11	27 48	4 3	19 13	19 4	14 29		n.a.
S 22	19 8	12 0	4 50	23 10	1 47	4 57	2 3	9 51	0 42	18 10	0 41	8 30	2 16	20 16	0 2	15 5	1 11	27 48	4 4	19 16	19 5	14 32		n.a.
S 23	19 22	16 37	5 1	23 35	1 51	5 24	2 2	9 40	0 40	18 8	0 41	8 28	2 17	20 16	0 2	15 5	1 11	27 48	4 4	19 18	19 6	14 35		n.a.
M24	19 36	20 37	4 58	23 58	1 55	5 51	2 2	9 30	0 38	18 7	0 40	8 27	2 17	20 15	0 2	15 4	1 11	27 48	4 4	19 21	19 7	14 37		n.a.
T 25	19 49	23 47	4 43	24 18	1 57	6 18	2 1	9 19	0 36	18 5	0 40	8 26	2 17	20 15	0 2	15 4	1 11	27 49	4 4	19 24	19 8	14 40		n.a.
W26	20 3	25 56	4 14	24 36	1 59	6 45	2 0	9 9	0 34	18 3	0 40	8 25	2 17	20 14	0 2	15 4	1 11	27 49	4 4	19 27	19 8	14 43		n.a.
T 27	20 15	26 52	3 34	24 51	2 0	7 12	2 0	8 58	0 32	18 1	0 40	8 23	2 18	20 14	0 2	15 4	1 11	27 49	4 4	19 29	19 9	14 45		n.a.
F 28	20 28	26 27	2 43	25 4	2 1	7 39	1 59	8 47	0 30	17 59	0 40	8 22	2 18	20 13	0 2	15 4	1 11	27 49	4 4	19 31	19 10	14 48		n.a.
S 29	20 40	24 42	1 43	25 14	2 0	8 6	1 58	8 36	0 28	17 58	0 40	8 21	2 18	20 13	0 2	15 4	1 11	27 49	4 5	19 32	19 11	14 51		n.a.
S 30	20 51	21 39	0 37	25 22	2 0	8 32	1 57	8 24	0 27	17 56	0 39	8 20	2 19	20 12	0 2	15 4	1 11	27 49	4 5	19 32	19 12	14 53		n.a.
M31	21n 3	17n29	0s32	25n28	1n58	8n59	1s56	8n13	0n25	17s54	0n39	8s19	2s19	20s12	0n 2	15s 4	1s11	27s50	4s 5	19s32	19s12	14n56		n.a.

Julian Day Number = 1557546.5, Delta T = 04h26m29s
Ecliptic obliquity = 23°45'04, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'08, Lahiri = -10°09'07 Julian Calendar 1 May 449 BCE == Greg. Calendar 26 Apr. 449 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

JUNE 449 BCE (-448) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 16 29	4♊ 1'16	23♌12	23♊37	28♈51	10♍40	21°R59	14♓32	29°R 7	23°R14	1°R10	3♒52	5♒11	26♈14	n.a.	T 1
W 2	16 20 25	4°58'22	6♍49	25°17	0♉ 1	11° 6	21♏52	14°35	29♏ 4	23♒14	1♑ 9	3°R52	5° 8	26°21	n.a.	W 2
T 3	16 24 22	5°55'27	20°47	26°56	1°12	11°33	21°45	14°39	29° 2	23°13	1° 8	3°51	5° 5	26°27	n.a.	T 3
F 4	16 28 18	6°52'33	5♎ 6	28°32	2°22	12° 0	21°37	14°42	28°59	23°13	1° 7	3°48	5° 2	26°34	n.a.	F 4
S 5	16 32 15	7°49'39	19°44	0♋ 6	3°33	12°27	21°30	14°44	28°57	23°13	1° 5	3°43	4°59	26°41	n.a.	S 5
S 6	16 36 11	8°46'44	4♏36	1°38	4°43	12°55	21°23	14°47	28°55	23°13	1° 4	3°37	4°55	26°48	n.a.	S 6
M 7	16 40 8	9°43'50	19°35	3° 8	5°54	13°23	21°16	14°50	28°52	23°13	1° 3	3°29	4°52	26°54	n.a.	M 7
T 8	16 44 5	10°40'56	4♐31	4°35	7° 5	13°51	21° 9	14°53	28°50	23°13	1° 1	3°21	4°49	27° 1	n.a.	T 8
W 9	16 48 1	11°38'02	19°16	6° 1	8°16	14°19	21° 3	14°55	28°48	23°13	1° 0	3°14	4°46	27° 8	n.a.	W 9
T 10	16 51 58	12°35'09	3♑42	7°24	9°27	14°48	20°56	14°58	28°45	23°12	0°59	3° 9	4°43	27°15	n.a.	T 10
F 11	16 55 54	13°32'17	17°44	8°45	10°38	15°17	20°49	15° 0	28°43	23°12	0°58	3° 6	4°40	27°21	n.a.	F 11
S 12	16 59 51	14°29'24	1♒19	10° 3	11°49	15°47	20°43	15° 2	28°41	23°12	0°56	3°D 5	4°36	27°28	n.a.	S 12
S 13	17 3 47	15°26'33	14°28	11°19	13° 0	16°16	20°37	15° 4	28°38	23°11	0°55	3° 5	4°33	27°35	n.a.	S 13
M14	17 7 44	16°23'42	27°13	12°33	14°11	16°46	20°30	15° 6	28°36	23°11	0°53	3° 6	4°30	27°41	n.a.	M14
T 15	17 11 41	17°20'52	9♓38	13°44	15°22	17°17	20°24	15° 8	28°34	23°10	0°52	3° 8	4°27	27°48	n.a.	T 15
W16	17 15 37	18°18'03	21°48	14°53	16°33	17°47	20°18	15°10	28°31	23°10	0°51	3°R 8	4°24	27°55	n.a.	W16
T 17	17 19 34	19°15'15	3♈47	15°59	17°45	18°18	20°12	15°12	28°29	23° 9	0°49	3° 7	4°20	28° 2	n.a.	T 17
F 18	17 23 30	20°12'27	15°40	17° 3	18°56	18°49	20° 7	15°13	28°27	23° 9	0°48	3° 4	4°17	28° 8	n.a.	F 18
S 19	17 27 27	21° 9'41	27°32	18° 4	20° 7	19°20	20° 1	15°15	28°25	23° 8	0°47	2°59	4°14	28°15	n.a.	S 19
S 20	17 31 23	22° 6'55	9♉26	19° 1	21°19	19°51	19°56	15°16	28°23	23° 8	0°45	2°53	4°11	28°22	n.a.	S 20
M21	17 35 20	23° 4'10	21°26	19°56	22°30	20°23	19°50	15°18	28°20	23° 7	0°44	2°46	4° 8	28°29	n.a.	M21
T 22	17 39 16	24° 1'27	3♊34	20°48	23°42	20°55	19°45	15°19	28°18	23° 7	0°43	2°39	4° 5	28°35	n.a.	T 22
W23	17 43 13	24°58'44	15°51	21°36	24°54	21°27	19°40	15°20	28°16	23° 6	0°41	2°32	4° 1	28°42	n.a.	W23
T 24	17 47 10	25°56'02	28°19	22°21	26° 5	22° 0	19°35	15°21	28°14	23° 5	0°40	2°27	3°58	28°49	n.a.	T 24
F 25	17 51 6	26°53'21	10♋59	23° 2	27°17	22°32	19°30	15°22	28°12	23° 5	0°38	2°23	3°55	28°55	n.a.	F 25
S 26	17 55 3	27°50'41	23°51	23°39	28°29	23° 5	19°26	15°23	28°10	23° 4	0°37	2°22	3°52	29° 2	n.a.	S 26
S 27	17 58 59	28°48'01	6♌55	24°13	29°41	23°38	19°21	15°24	28° 8	23° 3	0°36	2°D21	3°49	29° 9	n.a.	S 27
M28	18 2 56	29°45'23	20°11	24°42	0♊53	24°12	19°17	15°24	28° 6	23° 2	0°34	2°22	3°46	29°16	n.a.	M28
T 29	18 6 52	0♋42'45	3♍41	25° 7	2° 5	24°45	19°13	15°25	28° 4	23° 1	0°33	2°24	3°42	29°22	n.a.	T 29
W30	18 10 49	1♋40'07	17♍25	25♋28	3♊17	25♍19	19♏ 9	15♓25	28♏ 2	23♒ 0	0♑31	2♒25	3♒39	29♈29	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n14	12n22	1s41	25n32	1n56	9n25	1s55	8n 1	0n23	17s52	0n39	8s18	2s19	20s11	0n 2	15s 4	1s11	27s50	4s 5	19s32	19s13	14n59		n.a.
W 2	21 24	6 33	2 47	25 33	1 53	9 51	1 54	7 50	0 21	17 51	0 39	8 17	2 19	20 11	0 2	15 5	1 11	27 50	4 5	19 32	19 14	15 1		n.a.
T 3	21 35	0 17	3 44	25 33	1 50	10 17	1 52	7 38	0 20	17 49	0 39	8 16	2 20	20 10	0 2	15 5	1 12	27 50	4 5	19 32	19 15	15 4		n.a.
F 4	21 44	6s 9	4 28	25 31	1 46	10 43	1 51	7 26	0 18	17 47	0 39	8 15	2 20	20 10	0 2	15 5	1 12	27 50	4 5	19 33	19 15	15 6		n.a.
S 5	21 54	12 22	4 56	25 27	1 42	11 9	1 50	7 14	0 16	17 45	0 38	8 14	2 20	20 9	0 2	15 5	1 12	27 50	4 6	19 34	19 16	15 9		n.a.
S 6	22 3	18 0	5 5	25 21	1 37	11 34	1 48	7 1	0 15	17 44	0 38	8 13	2 20	20 9	0 2	15 5	1 12	27 50	4 6	19 36	19 17	15 12		n.a.
M 7	22 12	22 33	4 54	25 14	1 31	11 59	1 46	6 49	0 13	17 42	0 38	8 12	2 21	20 8	0 2	15 5	1 12	27 51	4 6	19 38	19 18	15 14		n.a.
T 8	22 20	25 36	4 22	25 5	1 25	12 24	1 45	6 37	0 11	17 40	0 38	8 12	2 21	20 7	0 2	15 5	1 12	27 51	4 6	19 40	19 19	15 17		n.a.
W 9	22 28	26 51	3 33	24 55	1 18	12 49	1 43	6 24	0 10	17 39	0 38	8 11	2 21	20 7	0 2	15 5	1 12	27 51	4 6	19 41	19 19	15 20		n.a.
T 10	22 36	26 13	2 31	24 44	1 11	13 13	1 41	6 11	0 8	17 37	0 37	8 10	2 22	20 6	0 2	15 5	1 12	27 51	4 6	19 42	19 20	15 22		n.a.
F 11	22 43	23 54	1 22	24 31	1 4	13 38	1 40	5 58	0 7	17 36	0 37	8 10	2 22	20 6	0 2	15 5	1 12	27 51	4 6	19 43	19 21	15 25		n.a.
S 12	22 50	20 17	0 9	24 17	0 56	14 2	1 38	5 46	0 5	17 34	0 37	8 9	2 22	20 5	0 2	15 6	1 12	27 51	4 6	19 43	19 22	15 27		n.a.
S 13	22 57	15 44	1n 1	24 3	0 47	14 25	1 36	5 33	0 4	17 33	0 37	8 8	2 22	20 5	0 2	15 6	1 12	27 51	4 7	19 43	19 22	15 30		n.a.
M14	23 3	10 37	2 7	23 47	0 38	14 48	1 34	5 19	0 2	17 31	0 37	8 8	2 23	20 4	0 2	15 6	1 12	27 52	4 7	19 43	19 23	15 32		n.a.
T 15	23 8	5 13	3 4	23 30	0 29	15 11	1 32	5 6	0 1	17 30	0 36	8 7	2 23	20 4	0 2	15 6	1 12	27 52	4 7	19 43	19 24	15 35		n.a.
W16	23 14	0n15	3 52	23 13	0 19	15 34	1 30	4 53	0s 1	17 28	0 36	8 7	2 23	20 3	0 2	15 6	1 12	27 52	4 7	19 43	19 25	15 38		n.a.
T 17	23 19	5 38	4 30	22 55	0 9	15 56	1 28	4 39	0 2	17 27	0 36	8 7	2 24	20 3	0 2	15 7	1 12	27 52	4 7	19 43	19 25	15 40		n.a.
F 18	23 23	10 46	4 55	22 37	0s 2	16 18	1 26	4 26	0 4	17 26	0 36	8 6	2 24	20 2	0 2	15 7	1 12	27 52	4 7	19 44	19 26	15 43		n.a.
S 19	23 27	15 30	5 8	22 18	0 13	16 40	1 23	4 12	0 5	17 24	0 36	8 6	2 24	20 2	0 2	15 7	1 12	27 52	4 7	19 45	19 27	15 45		n.a.
S 20	23 31	19 39	5 7	21 59	0 24	17 1	1 21	3 58	0 6	17 23	0 35	8 6	2 25	20 2	0 2	15 7	1 12	27 52	4 7	19 46	19 28	15 48		n.a.
M21	23 34	23 3	4 53	21 40	0 36	17 22	1 19	3 44	0 8	17 22	0 35	8 5	2 25	20 1	0 2	15 7	1 12	27 52	4 7	19 48	19 28	15 50		n.a.
T 22	23 37	25 29	4 26	21 20	0 47	17 42	1 16	3 30	0 9	17 20	0 35	8 5	2 25	20 1	0 2	15 8	1 12	27 52	4 7	19 49	19 29	15 53		n.a.
W23	23 39	26 44	3 46	21 1	1 0	18 2	1 14	3 16	0 10	17 19	0 35	8 5	2 25	20 0	0 2	15 8	1 12	27 53	4 8	19 51	19 30	15 55		n.a.
T 24	23 41	26 39	2 54	20 41	1 12	18 22	1 12	3 2	0 12	17 18	0 35	8 5	2 26	20 0	0 2	15 8	1 13	27 53	4 8	19 52	19 31	15 58		n.a.
F 25	23 43	25 11	1 54	20 22	1 25	18 41	1 9	2 48	0 13	17 17	0 34	8 5	2 26	19 59	0 2	15 9	1 13	27 53	4 8	19 53	19 32	16 1		n.a.
S 26	23 44	22 23	0 46	20 3	1 38	19 0	1 7	2 33	0 14	17 16	0 34	8 5	2 26	19 59	0 2	15 9	1 13	27 53	4 8	19 53	19 32	16 3		n.a.
S 27	23 45	18 23	0s25	19 44	1 51	19 18	1 4	2 19	0 16	17 15	0 34	8 5	2 27	19 58	0 2	15 9	1 13	27 53	4 8	19 53	19 33	16 6		n.a.
M28	23 45	13 26	1 36	19 26	2 4	19 36	1 2	2 4	0 17	17 14	0 34	8 5	2 27	19 58	0 2	15 9	1 13	27 53	4 8	19 53	19 34	16 8		n.a.
T 29	23 45	7 45	2 43	19 9	2 17	19 53	0 59	1 50	0 18	17 13	0 34	8 5	2 27	19 57	0 2	15 10	1 13	27 53	4 8	19 53	19 35	16 11		n.a.
W30	23n44	1n38	3s42	18n52	2s30	20n10	0s57	1n35	0s19	17s12	0n33	8s 5	2s28	19s57	0n 2	15s10	1s13	27s53	4s 8	19s53	19s35	16n13		n.a.

Julian Day Number = 1557577.5, Delta T = 04h26m27s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°16'04, Lahiri = -10°09'03 Julian Calendar 1 June 449 BCE == Greg. Calendar 27 May 449 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

JULY 449 BCE (-448) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 14 45	2♋37'31	1♎23	25♋44	4♊29	25♍53	19°R 5	15♓25	28°R 0	23°R 0	0°R30	2°R26	3♒36	29♈36	n.a.	T 1
F 2	18 18 42	3°34'55	15°34	25°55	5°41	26°27	19♏ 1	15°25	27♏59	22♒59	0♑28	2♒25	3°33	29°42	n.a.	F 2
S 3	18 22 39	4°32'20	29°56	26° 1	6°53	27° 2	18°58	15°R26	27°57	22°58	0°27	2°23	3°30	29°49	n.a.	S 3
S 4	18 26 35	5°29'46	14♏27	26°R 2	8° 6	27°36	18°55	15°25	27°55	22°57	0°26	2°21	3°26	29°56	n.a.	S 4
M 5	18 30 32	6°27'13	29° 0	25°57	9°18	28°11	18°52	15°25	27°53	22°56	0°24	2°17	3°23	0♉ 3	n.a.	M 5
T 6	18 34 28	7°24'41	13♐31	25°48	10°30	28°46	18°49	15°25	27°52	22°55	0°23	2°14	3°20	0° 9	n.a.	T 6
W 7	18 38 25	8°22'10	27°54	25°33	11°43	29°21	18°46	15°25	27°50	22°54	0°22	2°11	3°17	0°16	n.a.	W 7
T 8	18 42 21	9°19'40	12♑ 2	25°12	12°55	29°57	18°43	15°24	27°48	22°53	0°20	2° 9	3°14	0°23	n.a.	T 8
F 9	18 46 18	10°17'11	25°51	24°46	14° 8	0♎32	18°41	15°24	27°47	22°51	0°19	2°D 8	3°11	0°30	n.a.	F 9
S 10	18 50 15	11°14'44	9♒20	24°16	15°20	1° 8	18°39	15°23	27°45	22°50	0°17	2° 8	3° 7	0°36	n.a.	S 10
S 11	18 54 11	12°12'19	22°26	23°40	16°33	1°44	18°37	15°22	27°44	22°49	0°16	2° 9	3° 4	0°43	n.a.	S 11
M12	18 58 8	13° 9'54	5♓11	23° 0	17°45	2°20	18°35	15°21	27°42	22°48	0°15	2°10	3° 1	0°50	n.a.	M12
T 13	19 2 4	14° 7'32	17°38	22°17	18°58	2°56	18°33	15°21	27°41	22°47	0°13	2°11	2°58	0°56	n.a.	T 13
W14	19 6 1	15° 5'11	29°50	21°30	20°11	3°33	18°32	15°19	27°39	22°46	0°12	2°12	2°55	1° 3	n.a.	W14
T 15	19 9 57	16° 2'51	11♈50	20°41	21°24	4° 9	18°31	15°18	27°38	22°44	0°11	2°R13	2°52	1°10	n.a.	T 15
F 16	19 13 54	17° 0'34	23°45	19°50	22°37	4°46	18°30	15°17	27°37	22°43	0° 9	2°13	2°48	1°17	n.a.	F 16
S 17	19 17 50	17°58'18	5♉38	18°58	23°50	5°23	18°29	15°16	27°35	22°42	0° 8	2°12	2°45	1°23	n.a.	S 17
S 18	19 21 47	18°56'04	17°34	18° 7	25° 3	6° 0	18°28	15°14	27°34	22°41	0° 7	2°11	2°42	1°30	n.a.	S 18
M19	19 25 44	19°53'52	29°37	17°17	26°16	6°37	18°27	15°13	27°33	22°39	0° 5	2° 9	2°39	1°37	n.a.	M19
T 20	19 29 40	20°51'41	11♊51	16°29	27°29	7°15	18°27	15°11	27°32	22°38	0° 4	2° 8	2°36	1°44	n.a.	T 20
W21	19 33 37	21°49'32	24°17	15°45	28°42	7°52	18°D27	15° 9	27°31	22°37	0° 3	2° 6	2°32	1°50	n.a.	W21
T 22	19 37 33	22°47'26	6♋59	15° 5	29°55	8°30	18°27	15° 7	27°30	22°35	0° 1	2° 5	2°29	1°57	n.a.	T 22
F 23	19 41 30	23°45'20	19°56	14°31	1♌ 8	9° 8	18°27	15° 5	27°29	22°34	0° 0	2° 4	2°26	2° 4	n.a.	F 23
S 24	19 45 26	24°43'17	3♌ 9	14° 2	2°22	9°46	18°28	15° 3	27°28	22°32	29♐59	2°D 4	2°23	2°10	n.a.	S 24
S 25	19 49 23	25°41'15	16°37	13°40	3°35	10°24	18°28	15° 1	27°27	22°31	29°58	2° 5	2°20	2°17	n.a.	S 25
M26	19 53 19	26°39'15	0♍19	13°26	4°49	11° 3	18°29	14°59	27°26	22°30	29°56	2° 5	2°17	2°24	n.a.	M26
T 27	19 57 16	27°37'16	14°12	13°D19	6° 2	11°41	18°30	14°56	27°25	22°28	29°55	2° 5	2°13	2°31	n.a.	T 27
W28	20 1 13	28°35'18	28°13	13°20	7°15	12°20	18°31	14°54	27°24	22°27	29°54	2° 6	2°10	2°37	n.a.	W28
T 29	20 5 9	29°33'22	12♎22	13°30	8°29	12°59	18°32	14°51	27°24	22°25	29°53	2° 6	2° 7	2°44	n.a.	T 29
F 30	20 9 6	0♏31'28	26°34	13°48	9°43	13°38	18°34	14°49	27°23	22°24	29°52	2°R 6	2° 4	2°51	n.a.	F 30
S 31	20 13 2	1♏29'35	10♏48	14♋14	10♋56	14♎17	18♏36	14♓46	27♏22	22♒22	29♐51	2♒ 6	2♒ 1	2♉58	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n43	4s39	4s28	18n36	2s43	20n26	0s54	1n20	0s21	17s11	0n33	8s 5	2s28	19s57	0n 2	15s10	1s13	27s53	4s 8	19s52	19s36	16n16			n.a.
F 2	23 42	10 48	5 0	18 22	2 56	20 42	0 51	1 6	0 22	17 11	0 33	8 5	2 28	19 56	0 2	15 11	1 13	27 53	4 8	19 53	19 37	16 18			n.a.
S 3	23 40	16 27	5 13	18 8	3 9	20 57	0 49	0 51	0 23	17 10	0 33	8 5	2 28	19 56	0 2	15 11	1 13	27 53	4 8	19 53	19 38	16 21			n.a.
S 4	23 38	21 14	5 6	17 56	3 21	21 11	0 46	0 36	0 24	17 9	0 32	8 6	2 29	19 55	0 2	15 12	1 13	27 54	4 9	19 54	19 38	16 23			n.a.
M 5	23 35	24 45	4 40	17 45	3 33	21 25	0 43	0 21	0 25	17 8	0 32	8 6	2 29	19 55	0 2	15 12	1 13	27 54	4 9	19 54	19 39	16 26			n.a.
T 6	23 32	26 37	3 56	17 35	3 44	21 39	0 41	0 5	0 27	17 8	0 32	8 6	2 29	19 55	0 2	15 12	1 13	27 54	4 9	19 55	19 40	16 28			n.a.
W 7	23 29	26 41	2 57	17 28	3 55	21 52	0 38	0s10	0 28	17 7	0 32	8 7	2 30	19 54	0 2	15 13	1 13	27 54	4 9	19 56	19 41	16 31			n.a.
T 8	23 25	25 0	1 48	17 22	4 5	22 4	0 35	0 25	0 29	17 7	0 32	8 7	2 30	19 54	0 2	15 13	1 13	27 54	4 9	19 56	19 41	16 33			n.a.
F 9	23 21	21 49	0 34	17 18	4 14	22 15	0 32	0 40	0 30	17 6	0 31	8 8	2 30	19 54	0 2	15 13	1 13	27 54	4 9	19 57	19 42	16 35			n.a.
S 10	23 16	17 31	0n40	17 15	4 21	22 27	0 30	0 56	0 31	17 6	0 31	8 8	2 30	19 53	0 2	15 14	1 13	27 54	4 9	19 57	19 43	16 38			n.a.
S 11	23 11	12 29	1 50	17 15	4 28	22 37	0 27	1 11	0 32	17 6	0 31	8 9	2 31	19 53	0 2	15 14	1 13	27 54	4 9	19 56	19 44	16 40			n.a.
M12	23 5	7 4	2 52	17 16	4 33	22 47	0 24	1 27	0 33	17 5	0 31	8 9	2 31	19 53	0 2	15 15	1 13	27 54	4 9	19 56	19 44	16 43			n.a.
T 13	22 59	1 30	3 45	17 20	4 37	22 56	0 21	1 42	0 34	17 5	0 30	8 10	2 31	19 52	0 2	15 15	1 13	27 54	4 9	19 56	19 45	16 45			n.a.
W14	22 53	4n 0	4 27	17 26	4 38	23 4	0 19	1 58	0 35	17 5	0 30	8 11	2 32	19 52	0 2	15 16	1 13	27 54	4 9	19 55	19 46	16 48			n.a.
T 15	22 46	9 16	4 56	17 33	4 39	23 12	0 16	2 14	0 36	17 5	0 30	8 12	2 32	19 52	0 2	15 16	1 13	27 54	4 9	19 55	19 46	16 50			n.a.
F 16	22 39	14 9	5 12	17 42	4 37	23 19	0 13	2 29	0 37	17 5	0 30	8 12	2 32	19 51	0 2	15 16	1 13	27 54	4 9	19 55	19 47	16 53			n.a.
S 17	22 32	18 31	5 15	17 53	4 33	23 26	0 10	2 45	0 39	17 5	0 30	8 13	2 32	19 51	0 2	15 17	1 13	27 54	4 9	19 56	19 48	16 55			n.a.
S 18	22 24	22 9	5 4	18 5	4 28	23 32	0 8	3 1	0 40	17 5	0 29	8 14	2 33	19 51	0 2	15 17	1 13	27 54	4 9	19 56	19 49	16 57			n.a.
M19	22 15	24 53	4 40	18 19	4 20	23 37	0 5	3 17	0 41	17 5	0 29	8 15	2 33	19 51	0 2	15 18	1 14	27 54	4 9	19 56	19 49	17 0			n.a.
T 20	22 6	26 31	4 3	18 34	4 11	23 41	0 2	3 33	0 41	17 5	0 29	8 16	2 33	19 50	0 2	15 18	1 14	27 54	4 9	19 57	19 50	17 2			n.a.
W21	21 57	26 51	3 14	18 50	4 0	23 45	0n 1	3 49	0 42	17 5	0 29	8 17	2 34	19 50	0 2	15 19	1 14	27 55	4 9	19 57	19 51	17 5			n.a.
T 22	21 48	25 48	2 14	19 7	3 48	23 48	0 3	4 5	0 43	17 5	0 28	8 18	2 34	19 50	0 2	15 19	1 14	27 55	4 9	19 57	19 52	17 7			n.a.
F 23	21 38	23 21	1 7	19 24	3 34	23 51	0 6	4 21	0 44	17 5	0 28	8 19	2 34	19 50	0 2	15 20	1 14	27 55	4 10	19 57	19 52	17 10			n.a.
S 24	21 28	19 37	0s 6	19 42	3 19	23 52	0 8	4 37	0 45	17 6	0 28	8 20	2 34	19 49	0 2	15 20	1 14	27 55	4 10	19 57	19 53	17 12			n.a.
S 25	21 17	14 48	1 20	20 0	3 3	23 53	0 11	4 53	0 46	17 6	0 28	8 21	2 35	19 49	0 2	15 21	1 14	27 55	4 10	19 57	19 54	17 14			n.a.
M26	21 6	9 10	2 30	20 18	2 47	23 53	0 14	5 9	0 47	17 7	0 28	8 22	2 35	19 49	0 2	15 21	1 14	27 55	4 10	19 57	19 55	17 17			n.a.
T 27	20 54	3 2	3 33	20 36	2 29	23 53	0 16	5 25	0 48	17 7	0 27	8 23	2 35	19 49	0 2	15 22	1 14	27 55	4 10	19 57	19 55	17 19			n.a.
W28	20 43	3s18	4 23	20 53	2 12	23 52	0 19	5 41	0 49	17 8	0 27	8 24	2 35	19 49	0 2	15 22	1 14	27 55	4 10	19 57	19 56	17 21			n.a.
T 29	20 31	9 31	4 58	21 10	1 54	23 50	0 21	5 57	0 50	17 8	0 27	8 26	2 36	19 49	0 2	15 23	1 14	27 55	4 10	19 57	19 57	17 24			n.a.
F 30	20 18	15 16	5 15	21 26	1 36	23 47	0 24	6 13	0 51	17 9	0 27	8 27	2 36	19 48	0 2	15 23	1 14	27 55	4 10	19 57	19 57	17 26			n.a.
S 31	20n 5	20s12	5s13	21n41	1s19	23n44	0n26	6s29	0s52	17s10	0n27	8s28	2s36	19s48	0n 2	15s24	1s14	27s55	4s10	19s57	19s58	17n29			n.a.

Julian Day Number = 1557607.5, Delta T = 04h26m26s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'59, Lahiri = -10°08'59 Julian Calendar 1 July 449 BCE == Greg. Calendar 26 June 449 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

AUGUST 449 BCE (-448) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 16 59	2♌27'44	25♏ 2	14♋48	12♋10	14♎56	18♏38	14°R43	27°R22	22°R21	29°R49	2°D 6	1♒58	3♉ 4	n.a.	S 1
M 2	20 20 55	3°25'54	9♐12	15°31	13°24	15°35	18°40	14♓40	27♏21	22♒19	29♐48	2♒ 6	1°54	3°11	n.a.	M 2
T 3	20 24 52	4°24'06	23°15	16°21	14°37	16°15	18°42	14°37	27°21	22°17	29°47	2° 6	1°51	3°18	n.a.	T 3
W 4	20 28 48	5°22'20	7♑ 9	17°19	15°51	16°54	18°44	14°34	27°20	22°16	29°46	2° 7	1°48	3°24	n.a.	W 4
T 5	20 32 45	6°20'35	20°52	18°23	17° 5	17°34	18°47	14°31	27°20	22°14	29°45	2° 7	1°45	3°31	n.a.	T 5
F 6	20 36 42	7°18'53	4♒20	19°35	18°19	18°14	18°50	14°28	27°20	22°13	29°44	2°R 7	1°42	3°38	n.a.	F 6
S 7	20 40 38	8°17'12	17°32	20°52	19°33	18°54	18°53	14°24	27°19	22°11	29°43	2° 7	1°38	3°45	n.a.	S 7
S 8	20 44 35	9°15'33	0♓28	22°15	20°47	19°34	18°56	14°21	27°19	22°10	29°42	2° 6	1°35	3°51	n.a.	S 8
M 9	20 48 31	10°13'56	13° 8	23°44	22° 1	20°14	19° 0	14°18	27°19	22° 8	29°41	2° 5	1°32	3°58	n.a.	M 9
T 10	20 52 28	11°12'21	25°32	25°17	23°15	20°55	19° 3	14°14	27°19	22° 6	29°40	2° 4	1°29	4° 5	n.a.	T 10
W11	20 56 24	12°10'48	7♈43	26°53	24°29	21°35	19° 7	14°10	27°19	22° 5	29°39	2° 3	1°26	4°12	n.a.	W11
T 12	21 0 21	13° 9'17	19°44	28°33	25°43	22°16	19°11	14° 7	27°D19	22° 3	29°38	2° 2	1°23	4°18	n.a.	T 12
F 13	21 4 17	14° 7'49	1♉39	0♌16	26°57	22°57	19°15	14° 3	27°19	22° 1	29°37	2° 1	1°19	4°25	n.a.	F 13
S 14	21 8 14	15° 6'23	13°32	2° 2	28°12	23°38	19°19	13°59	27°19	22° 0	29°36	2°D 0	1°16	4°32	n.a.	S 14
S 15	21 12 10	16° 5'00	25°27	3°49	29°26	24°19	19°23	13°55	27°19	21°58	29°35	2° 1	1°13	4°38	n.a.	S 15
M16	21 16 7	17° 3'39	7♊30	5°38	0♌40	25° 0	19°28	13°51	27°19	21°56	29°34	2° 1	1°10	4°45	n.a.	M16
T 17	21 20 4	18° 2'20	19°45	7°28	1°55	25°41	19°33	13°47	27°19	21°55	29°34	2° 3	1° 7	4°52	n.a.	T 17
W18	21 24 0	19° 1'03	2♋16	9°19	3° 9	26°22	19°38	13°43	27°20	21°53	29°33	2° 4	1° 4	4°59	n.a.	W18
T 19	21 27 57	19°59'49	15° 5	11°10	4°24	27° 4	19°43	13°39	27°20	21°51	29°32	2° 5	1° 0	5° 5	n.a.	T 19
F 20	21 31 53	20°58'37	28°16	13° 2	5°38	27°45	19°48	13°35	27°20	21°50	29°31	2°R 6	0°57	5°12	n.a.	F 20
S 21	21 35 50	21°57'27	11♌47	14°54	6°53	28°27	19°53	13°31	27°21	21°48	29°31	2° 6	0°54	5°19	n.a.	S 21
S 22	21 39 46	22°56'20	25°40	16°45	8° 7	29° 9	19°59	13°26	27°21	21°46	29°30	2° 4	0°51	5°25	n.a.	S 22
M23	21 43 43	23°55'14	9♍49	18°36	9°22	29°51	20° 5	13°22	27°22	21°45	29°29	2° 2	0°48	5°32	n.a.	M23
T 24	21 47 39	24°54'10	24°10	20°27	10°36	0♏33	20°11	13°17	27°22	21°43	29°28	1°59	0°44	5°39	n.a.	T 24
W25	21 51 36	25°53'09	8♎38	22°17	11°51	1°15	20°17	13°13	27°23	21°42	29°28	1°56	0°41	5°46	n.a.	W25
T 26	21 55 33	26°52'09	23° 8	24° 7	13° 6	1°57	20°23	13° 9	27°24	21°40	29°27	1°53	0°38	5°52	n.a.	T 26
F 27	21 59 29	27°51'11	7♏33	25°55	14°21	2°39	20°29	13° 4	27°25	21°38	29°27	1°50	0°35	5°59	n.a.	F 27
S 28	22 3 26	28°50'15	21°51	27°43	15°35	3°22	20°36	12°59	27°25	21°37	29°26	1°49	0°32	6° 6	n.a.	S 28
S 29	22 7 22	29°49'21	5♐58	29°31	16°50	4° 4	20°42	12°55	27°26	21°35	29°26	1°D49	0°29	6°13	n.a.	S 29
M30	22 11 19	0♍48'29	19°52	1♍17	18° 5	4°47	20°49	12°50	27°27	21°33	29°25	1°50	0°25	6°19	n.a.	M30
T 31	22 15 15	1♍47'39	3♑34	3♍ 3	19♌20	5♏30	20♏56	12♓46	27♏28	21♒32	29♐24	1♒52	0♒22	6♉26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	19n52	23s59	4s52	21n54	1s 1	23n40	0n29	6s46	0s52	17s10	0n26	8s29	2s36	19s48	0n 1	15s24	1s14	27s55	4s10	19s57	19s59	17n31			n.a.
M 2	19 38	26 17	4 13	22 6	0 44	23 35	0 31	7 2	0 53	17 11	0 26	8 31	2 37	19 48	0 1	15 25	1 14	27 55	4 10	19 57	20 0	17 33			n.a.
T 3	19 25	26 53	3 19	22 16	0 28	23 30	0 34	7 18	0 54	17 12	0 26	8 32	2 37	19 48	0 1	15 25	1 14	27 55	4 10	19 57	20 0	17 36			n.a.
W 4	19 10	25 47	2 14	22 24	0 13	23 23	0 36	7 34	0 55	17 13	0 26	8 34	2 37	19 48	0 1	15 26	1 14	27 55	4 10	19 57	20 1	17 38			n.a.
T 5	18 56	23 8	1 2	22 30	0n 2	23 16	0 38	7 50	0 56	17 14	0 26	8 35	2 37	19 48	0 1	15 27	1 14	27 55	4 10	19 57	20 2	17 40			n.a.
F 6	18 41	19 14	0n12	22 34	0 16	23 9	0 40	8 6	0 56	17 15	0 25	8 37	2 38	19 48	0 1	15 27	1 14	27 55	4 10	19 57	20 2	17 43			n.a.
S 7	18 26	14 26	1 24	22 35	0 29	23 0	0 43	8 23	0 57	17 16	0 25	8 38	2 38	19 48	0 1	15 28	1 14	27 55	4 10	19 57	20 3	17 45			n.a.
S 8	18 10	9 6	2 31	22 34	0 41	22 51	0 45	8 39	0 58	17 17	0 25	8 40	2 38	19 48	0 1	15 28	1 14	27 55	4 10	19 57	20 4	17 47			n.a.
M 9	17 54	3 31	3 28	22 30	0 52	22 42	0 47	8 55	0 59	17 18	0 25	8 41	2 38	19 48	0 1	15 29	1 14	27 55	4 10	19 57	20 5	17 50			n.a.
T 10	17 38	2n 5	4 14	22 23	1 2	22 31	0 49	9 11	0 59	17 19	0 24	8 43	2 38	19 48	0 1	15 29	1 14	27 55	4 10	19 57	20 5	17 52			n.a.
W11	17 22	7 30	4 48	22 13	1 12	22 20	0 51	9 27	1 0	17 20	0 24	8 44	2 39	19 48	0 1	15 30	1 14	27 55	4 10	19 58	20 6	17 54			n.a.
T 12	17 5	12 34	5 9	22 1	1 20	22 9	0 53	9 43	1 1	17 22	0 24	8 46	2 39	19 48	0 1	15 30	1 14	27 55	4 10	19 58	20 7	17 57			n.a.
F 13	16 48	17 8	5 16	21 46	1 27	21 56	0 55	9 59	1 2	17 23	0 24	8 48	2 39	19 48	0 1	15 31	1 14	27 55	4 10	19 58	20 7	17 59			n.a.
S 14	16 31	21 1	5 10	21 28	1 33	21 43	0 57	10 15	1 2	17 24	0 24	8 49	2 39	19 48	0 1	15 32	1 14	27 55	4 10	19 58	20 8	18 1			n.a.
S 15	16 13	24 4	4 50	21 8	1 38	21 29	0 59	10 31	1 3	17 26	0 23	8 51	2 39	19 48	0 1	15 32	1 14	27 55	4 10	19 58	20 9	18 3			n.a.
M16	15 55	26 5	4 18	20 45	1 42	21 15	1 0	10 47	1 4	17 27	0 23	8 53	2 40	19 48	0 1	15 33	1 14	27 55	4 10	19 58	20 10	18 6			n.a.
T 17	15 37	26 53	3 33	20 20	1 45	21 0	1 2	11 3	1 4	17 29	0 23	8 54	2 40	19 48	0 1	15 33	1 14	27 55	4 10	19 58	20 10	18 8			n.a.
W18	15 19	26 21	2 37	19 53	1 48	20 44	1 4	11 19	1 5	17 30	0 23	8 56	2 40	19 48	0 1	15 34	1 14	27 55	4 10	19 57	20 11	18 10			n.a.
T 19	15 0	24 25	1 32	19 24	1 49	20 28	1 6	11 35	1 6	17 32	0 23	8 58	2 40	19 48	0 1	15 34	1 14	27 55	4 10	19 57	20 12	18 13			n.a.
F 20	14 41	21 7	0 21	18 53	1 50	20 11	1 7	11 50	1 6	17 33	0 23	9 0	2 40	19 48	0 1	15 35	1 14	27 55	4 10	19 57	20 12	18 15			n.a.
S 21	14 22	16 37	0s53	18 20	1 50	19 54	1 9	12 6	1 7	17 35	0 22	9 2	2 40	19 48	0 1	15 35	1 14	27 55	4 10	19 57	20 13	18 17			n.a.
S 22	14 3	11 9	2 6	17 46	1 50	19 36	1 10	12 22	1 7	17 37	0 22	9 3	2 40	19 48	0 1	15 36	1 14	27 55	4 10	19 57	20 14	18 19			n.a.
M23	13 43	5 1	3 13	17 10	1 49	19 17	1 11	12 37	1 8	17 38	0 22	9 5	2 41	19 48	0 1	15 37	1 14	27 55	4 10	19 58	20 14	18 22			n.a.
T 24	13 23	1s27	4 8	16 33	1 47	18 58	1 13	12 53	1 9	17 40	0 22	9 7	2 41	19 49	0 1	15 37	1 14	27 55	4 10	19 59	20 15	18 24			n.a.
W25	13 3	7 52	4 48	15 55	1 45	18 39	1 14	13 8	1 9	17 42	0 22	9 9	2 41	19 49	0 1	15 38	1 14	27 55	4 10	19 59	20 16	18 26			n.a.
T 26	12 43	13 53	5 10	15 16	1 42	18 18	1 15	13 24	1 10	17 44	0 21	9 11	2 41	19 49	0 1	15 38	1 14	27 55	4 10	20 0	20 17	18 28			n.a.
F 27	12 22	19 7	5 12	14 36	1 39	17 57	1 16	13 39	1 10	17 46	0 21	9 13	2 41	19 49	0 1	15 39	1 14	27 55	4 10	20 1	20 17	18 30			n.a.
S 28	12 2	23 12	4 55	13 55	1 36	17 36	1 18	13 54	1 11	17 48	0 21	9 15	2 41	19 49	0 1	15 39	1 14	27 55	4 10	20 1	20 18	18 33			n.a.
S 29	11 41	25 50	4 20	13 13	1 32	17 14	1 19	14 9	1 11	17 50	0 21	9 16	2 41	19 49	0 1	15 40	1 14	27 55	4 10	20 1	20 19	18 35			n.a.
M30	11 20	26 51	3 30	12 31	1 28	16 52	1 20	14 25	1 12	17 52	0 21	9 18	2 41	19 50	0 1	15 40	1 14	27 55	4 10	20 1	20 19	18 37			n.a.
T 31	10n58	26s11	2s29	11n48	1n23	16n29	1n20	14s40	1s12	17s54	0n20	9s20	2s42	19s50	0n 1	15s41	1s14	27s55	4s10	20s 0	20s20	18n39			n.a.

Julian Day Number = 1557638.5, Delta T = 04h26m25s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'55, Lahiri = -10°08'55 Julian Calendar 1 Aug. 449 BCE == Greg. Calendar 27 July 449 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

SEPTEMBER 449 BCE (-448) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 19 12	2♍46'51	17♉ 2	4♍48	20♌35	6♏12	21♏ 3	12°R41	27♏29	21°R30	29°R24	1♒53	0♒19	6♉33	n.a.	W 1
T 2	22 23 8	3°46'04	0♒19	6°32	21°50	6°55	21°11	12♓36	27°30	21♒28	29♐24	1°R54	0°16	6°39	n.a.	T 2
F 3	22 27 5	4°45'20	13°23	8°15	23° 4	7°38	21°18	12°31	27°31	21°27	29°23	1°53	0°13	6°46	n.a.	F 3
S 4	22 31 2	5°44'37	26°15	9°57	24°19	8°21	21°26	12°27	27°32	21°25	29°23	1°51	0°10	6°53	n.a.	S 4
S 5	22 34 58	6°43'57	8♓55	11°39	25°34	9° 5	21°33	12°22	27°34	21°24	29°22	1°47	0° 6	7° 0	n.a.	S 5
M 6	22 38 55	7°43'19	21°23	13°20	26°49	9°48	21°41	12°17	27°35	21°22	29°22	1°41	0° 3	7° 6	n.a.	M 6
T 7	22 42 51	8°42'42	3♈40	15° 0	28° 4	10°31	21°49	12°12	27°36	21°20	29°22	1°35	29♉59	7°13	n.a.	T 7
W 8	22 46 48	9°42'09	15°47	16°39	29°20	11°15	21°57	12° 8	27°37	21°19	29°21	1°28	29°57	7°20	n.a.	W 8
T 9	22 50 44	10°41'37	27°46	18°18	0♍35	11°58	22° 5	12° 3	27°39	21°17	29°21	1°21	29°54	7°26	n.a.	T 9
F 10	22 54 41	11°41'08	9♉40	19°55	1°50	12°42	22°14	11°58	27°40	21°16	29°21	1°15	29°50	7°33	n.a.	F 10
S 11	22 58 37	12°40'41	21°31	21°32	3° 5	13°25	22°22	11°53	27°42	21°14	29°21	1°11	29°47	7°40	n.a.	S 11
S 12	23 2 34	13°40'17	3♊24	23° 9	4°20	14° 9	22°31	11°48	27°43	21°13	29°21	1° 9	29°44	7°47	n.a.	S 12
M13	23 6 30	14°39'55	15°24	24°44	5°35	14°53	22°40	11°44	27°45	21°11	29°21	1°D 8	29°41	7°53	n.a.	M13
T 14	23 10 27	15°39'36	27°36	26°19	6°50	15°37	22°49	11°39	27°47	21°10	29°20	1° 9	29°38	8° 0	n.a.	T 14
W15	23 14 24	16°39'19	10♋ 4	27°54	8° 6	16°21	22°58	11°34	27°48	21° 8	29°20	1°10	29°35	8° 7	n.a.	W15
T 16	23 18 20	17°39'04	22°54	29°28	9°21	17° 5	23° 7	11°29	27°50	21° 7	29°20	1°11	29°31	8°14	n.a.	T 16
F 17	23 22 17	18°38'52	6♌ 8	1♎ 1	10°36	17°49	23°16	11°24	27°52	21° 5	29°D20	1°R11	29°28	8°20	n.a.	F 17
S 18	23 26 13	19°38'42	19°48	2°33	11°52	18°33	23°25	11°20	27°54	21° 4	29°20	1°10	29°25	8°27	n.a.	S 18
S 19	23 30 10	20°38'34	3♍56	4° 5	13° 7	19°18	23°35	11°15	27°55	21° 3	29°20	1° 6	29°22	8°34	n.a.	S 19
M20	23 34 6	21°38'28	18°26	5°36	14°22	20° 2	23°44	11°10	27°57	21° 1	29°20	1° 0	29°19	8°40	n.a.	M20
T 21	23 38 3	22°38'24	3♎13	7° 7	15°38	20°47	23°54	11° 6	27°59	21° 0	29°20	0°52	29°15	8°47	n.a.	T 21
W22	23 41 59	23°38'23	18°10	8°37	16°53	21°31	24° 4	11° 1	28° 1	20°58	29°21	0°44	29°12	8°54	n.a.	W22
T 23	23 45 56	24°38'23	3♏ 6	10° 7	18° 8	22°16	24°14	10°56	28° 3	20°57	29°21	0°36	29° 9	9° 1	n.a.	T 23
F 24	23 49 53	25°38'25	17°53	11°36	19°24	23° 0	24°24	10°52	28° 5	20°56	29°21	0°29	29° 6	9° 7	n.a.	F 24
S 25	23 53 49	26°38'29	2♐25	13° 4	20°39	23°45	24°34	10°47	28° 8	20°55	29°21	0°24	29° 3	9°14	n.a.	S 25
S 26	23 57 46	27°38'35	16°37	14°32	21°54	24°30	24°44	10°43	28°10	20°53	29°21	0°22	29° 0	9°21	n.a.	S 26
M27	0 1 42	28°38'42	0♑29	15°59	23°10	25°15	24°55	10°38	28°12	20°52	29°22	0°D21	28°56	9°28	n.a.	M27
T 28	0 5 39	29°38'51	14° 0	17°25	24°25	26° 0	25° 5	10°34	28°14	20°51	29°22	0°22	28°53	9°34	n.a.	T 28
W29	0 9 35	0♒39'01	27°14	18°51	25°41	26°45	25°16	10°29	28°17	20°50	29°22	0°R22	28°50	9°41	n.a.	W29
T 30	0 13 32	1♒39'14	10♒11	20♒16	26♍56	27♏30	25♏27	10♓25	28♏19	20♒48	29♐23	0♒22	28♉47	9♉48	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n37	23s59	1s20	11n 5	1n18	16n 6	1n21	14s54	1s13	17s56	0n20	9s22	2s42	19s50	0n 1	15s41	1s14	27s55	4s10	20s 0	20s21	18n42		n.a.
T 2	10 15	20 29	0 9	10 22	1 13	15 42	1 22	15 9	1 13	17 58	0 20	9 24	2 42	19 50	0 1	15 42	1 14	27 54	4 10	20 0	20 21	18 44		n.a.
F 3	9 53	16 2	1n 2	9 38	1 8	15 18	1 23	15 24	1 14	18 0	0 20	9 26	2 42	19 51	0 1	15 42	1 14	27 54	4 9	20 0	20 22	18 46		n.a.
S 4	9 31	10 55	2 9	8 54	1 2	14 54	1 23	15 39	1 14	18 2	0 20	9 28	2 42	19 51	0 1	15 43	1 14	27 54	4 9	20 0	20 23	18 48		n.a.
S 5	9 9	5 26	3 8	8 9	0 56	14 29	1 24	15 53	1 15	18 4	0 20	9 30	2 42	19 51	0 1	15 44	1 14	27 54	4 9	20 1	20 23	18 50		n.a.
M 6	8 47	0n10	3 57	7 25	0 51	14 3	1 25	16 8	1 15	18 7	0 19	9 32	2 42	19 51	0 1	15 44	1 14	27 54	4 9	20 3	20 24	18 52		n.a.
T 7	8 25	5 39	4 34	6 40	0 44	13 37	1 25	16 22	1 16	18 9	0 19	9 34	2 42	19 52	0 1	15 45	1 14	27 54	4 9	20 4	20 25	18 55		n.a.
W 8	8 2	10 52	4 58	5 55	0 38	13 11	1 25	16 36	1 16	18 11	0 19	9 36	2 42	19 52	0 1	15 45	1 14	27 54	4 9	20 6	20 26	18 57		n.a.
T 9	7 39	15 36	5 9	5 10	0 32	12 45	1 26	16 50	1 17	18 13	0 19	9 37	2 42	19 52	0 1	15 46	1 14	27 54	4 9	20 7	20 26	18 59		n.a.
F 10	7 16	19 43	5 6	4 26	0 25	12 18	1 26	17 4	1 17	18 16	0 19	9 39	2 42	19 53	0 1	15 46	1 14	27 54	4 9	20 8	20 27	19 1		n.a.
S 11	6 53	23 2	4 50	3 41	0 19	11 50	1 26	17 18	1 17	18 18	0 19	9 41	2 42	19 53	0 1	15 47	1 14	27 54	4 9	20 9	20 28	19 3		n.a.
S 12	6 30	25 23	4 22	2 56	0 12	11 23	1 26	17 32	1 18	18 21	0 18	9 43	2 42	19 53	0 1	15 47	1 14	27 54	4 9	20 10	20 28	19 5		n.a.
M13	6 7	26 37	3 42	2 12	0 5	10 55	1 26	17 45	1 18	18 23	0 18	9 45	2 42	19 54	0 1	15 48	1 14	27 54	4 9	20 10	20 29	19 8		n.a.
T 14	5 44	26 35	2 51	1 28	0s 1	10 27	1 26	17 59	1 18	18 25	0 18	9 47	2 42	19 54	0 1	15 48	1 14	27 54	4 9	20 10	20 30	19 10		n.a.
W15	5 20	25 13	1 52	0 43	0 8	9 58	1 26	18 12	1 19	18 28	0 18	9 49	2 42	19 55	0 1	15 48	1 14	27 54	4 9	20 10	20 30	19 12		n.a.
T 16	4 56	22 31	0 45	0s 1	0 15	9 29	1 26	18 25	1 19	18 30	0 18	9 51	2 42	19 55	0 1	15 49	1 14	27 54	4 9	20 9	20 31	19 14		n.a.
F 17	4 33	18 33	0s27	0 44	0 22	9 0	1 26	18 38	1 19	18 33	0 18	9 52	2 42	19 55	0 1	15 49	1 14	27 54	4 9	20 9	20 32	19 16		n.a.
S 18	4 9	13 30	1 39	1 28	0 29	8 31	1 26	18 51	1 20	18 35	0 17	9 54	2 42	19 56	0 1	15 50	1 14	27 54	4 9	20 10	20 32	19 18		n.a.
S 19	3 45	7 37	2 47	2 11	0 35	8 2	1 25	19 4	1 20	18 38	0 17	9 56	2 42	19 56	0 1	15 50	1 14	27 54	4 9	20 10	20 33	19 20		n.a.
M20	3 21	1 10	3 46	2 54	0 42	7 32	1 25	19 16	1 20	18 40	0 17	9 58	2 42	19 57	0 1	15 51	1 14	27 54	4 9	20 12	20 34	19 22		n.a.
T 21	2 57	5s26	4 31	3 37	0 49	7 2	1 24	19 29	1 21	18 43	0 17	10 0	2 42	19 57	0 1	15 51	1 14	27 54	4 9	20 13	20 34	19 24		n.a.
W22	2 33	11 48	4 58	4 19	0 56	6 32	1 24	19 41	1 21	18 46	0 17	10 1	2 42	19 58	0 1	15 52	1 14	27 54	4 9	20 15	20 35	19 26		n.a.
T 23	2 9	17 28	5 5	5 1	1 2	6 1	1 23	19 53	1 21	18 48	0 17	10 3	2 42	19 58	0 1	15 52	1 14	27 54	4 9	20 17	20 36	19 29		n.a.
F 24	1 45	22 2	4 52	5 42	1 9	5 31	1 22	20 5	1 22	18 51	0 17	10 5	2 42	19 59	0 1	15 52	1 14	27 54	4 9	20 19	20 36	19 31		n.a.
S 25	1 21	25 9	4 19	6 23	1 16	5 0	1 22	20 16	1 22	18 54	0 16	10 7	2 42	19 59	0 1	15 53	1 14	27 54	4 9	20 20	20 37	19 33		n.a.
S 26	0 57	26 35	3 32	7 3	1 22	4 29	1 21	20 28	1 22	18 56	0 16	10 8	2 42	20 0	0 1	15 53	1 14	27 54	4 9	20 20	20 38	19 35		n.a.
M27	0 33	26 18	2 33	7 43	1 28	3 58	1 20	20 39	1 22	18 59	0 16	10 10	2 42	20 0	0 1	15 54	1 14	27 54	4 9	20 20	20 38	19 37		n.a.
T 28	0 9	24 26	1 26	8 23	1 34	3 27	1 19	20 50	1 22	19 2	0 16	10 12	2 42	20 1	0 1	15 54	1 14	27 54	4 9	20 20	20 39	19 39		n.a.
W29	0s16	21 16	0 17	9 1	1 41	2 56	1 18	21 1	1 23	19 4	0 16	10 13	2 42	20 1	0 1	15 54	1 14	27 54	4 9	20 20	20 40	19 41		n.a.
T 30	0s40	17s 5	0n52	9s40	1s46	2n25	1n17	21s12	1s23	19s 7	0n16	10s15	2s42	20s 2	0n 1	15s55	1s14	27s53	4s 9	20s20	20s40	19n43		n.a.

Julian Day Number = 1557669.5, Delta T = 04h26m24s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'51, Lahiri = -10°08'51 Julian Calendar 1 Sept. 449 BCE == Greg. Calendar 27 Aug. 449 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

OCTOBER 449 BCE (-448) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 17 28	2♎39'27	22♒55	21♎40	28♍12	28♏15	25♏37	10°R21	28♏21	20°R47	29♐23	0°R19	28♑44	9♉54	n.a.	F 1
S 2	0 21 25	3°39'43	5♓28	23° 4	29°27	29° 0	25°48	10♓17	28°24	20♒46	29°23	0♒14	28°41	10° 1	n.a.	S 2
S 3	0 25 21	4°40'00	17°51	24°27	0♎43	29°45	25°59	10°12	28°26	20°45	29°24	0° 6	28°37	10° 8	n.a.	S 3
M 4	0 29 18	5°40'19	0♈ 6	25°48	1°58	0♐31	26°10	10° 8	28°29	20°44	29°24	29♑56	28°34	10°15	n.a.	M 4
T 5	0 33 15	6°40'40	12°14	27° 9	3°14	1°16	26°21	10° 4	28°31	20°43	29°25	29°43	28°31	10°21	n.a.	T 5
W 6	0 37 11	7°41'03	24°15	28°29	4°29	2° 2	26°33	10° 0	28°34	20°42	29°25	29°30	28°28	10°28	n.a.	W 6
T 7	0 41 8	8°41'27	6♉10	29°47	5°45	2°47	26°44	9°56	28°36	20°41	29°26	29°17	28°25	10°35	n.a.	T 7
F 8	0 45 4	9°41'54	18° 2	1♏ 4	7° 0	3°32	26°55	9°53	28°39	20°40	29°26	29° 6	28°21	10°41	n.a.	F 8
S 9	0 49 1	10°42'22	29°52	2°19	8°16	4°18	27° 7	9°49	28°42	20°39	29°27	28°56	28°18	10°48	n.a.	S 9
S 10	0 52 57	11°42'52	11♊44	3°33	9°31	5° 4	27°19	9°45	28°44	20°38	29°28	28°49	28°15	10°55	n.a.	S 10
M11	0 56 54	12°43'25	23°42	4°45	10°47	5°49	27°30	9°41	28°47	20°37	29°28	28°45	28°12	11° 2	n.a.	M11
T 12	1 0 50	13°43'59	5♋50	5°55	12° 2	6°35	27°42	9°38	28°50	20°36	29°29	28°44	28° 9	11° 8	n.a.	T 12
W13	1 4 47	14°44'35	18°13	7° 3	13°18	7°21	27°54	9°34	28°53	20°36	29°30	28°D44	28° 6	11°15	n.a.	W13
T 14	1 8 44	15°45'13	0♌56	8° 8	14°33	8° 7	28° 6	9°31	28°56	20°35	29°30	28°R44	28° 2	11°22	n.a.	T 14
F 15	1 12 40	16°45'53	14° 5	9° 9	15°49	8°52	28°18	9°28	28°59	20°34	29°31	28°43	27°59	11°28	n.a.	F 15
S 16	1 16 37	17°46'35	27°42	10° 8	17° 4	9°38	28°30	9°24	29° 1	20°33	29°32	28°40	27°56	11°35	n.a.	S 16
S 17	1 20 33	18°47'19	11♍50	11° 3	18°20	10°24	28°42	9°21	29° 4	20°33	29°33	28°35	27°53	11°42	n.a.	S 17
M18	1 24 30	19°48'04	26°26	11°53	19°36	11°10	28°54	9°18	29° 7	20°32	29°34	28°27	27°50	11°49	n.a.	M18
T 19	1 28 26	20°48'50	11♎25	12°38	20°51	11°56	29° 6	9°15	29°10	20°31	29°34	28°16	27°46	11°55	n.a.	T 19
W20	1 32 23	21°49'39	26°39	13°18	22° 7	12°42	29°19	9°12	29°13	20°31	29°35	28° 4	27°43	12° 2	n.a.	W20
T 21	1 36 19	22°50'29	11♏56	13°52	23°22	13°29	29°31	9°10	29°16	20°30	29°36	27°53	27°40	12° 9	n.a.	T 21
F 22	1 40 16	23°51'20	27° 5	14°18	24°38	14°15	29°44	9° 7	29°20	20°30	29°37	27°43	27°37	12°16	n.a.	F 22
S 23	1 44 13	24°52'12	11♐57	14°37	25°53	15° 1	29°56	9° 4	29°23	20°29	29°38	27°35	27°34	12°22	n.a.	S 23
S 24	1 48 9	25°53'06	26°25	14°48	27° 9	15°47	0♐ 9	9° 2	29°26	20°29	29°39	27°31	27°31	12°29	n.a.	S 24
M25	1 52 6	26°54'00	10♑25	14°R49	28°25	16°33	0°22	8°59	29°29	20°28	29°40	27°29	27°27	12°36	n.a.	M25
T 26	1 56 2	27°54'56	24° 0	14°40	29°40	17°20	0°34	8°57	29°32	20°28	29°41	27°28	27°24	12°42	n.a.	T 26
W27	1 59 59	28°55'52	7♒10	14°20	0♏56	18° 6	0°47	8°55	29°35	20°27	29°42	27°28	27°21	12°49	n.a.	W27
T 28	2 3 55	29°56'49	20° 0	13°50	2°11	18°52	1° 0	8°53	29°39	20°27	29°44	27°27	27°18	12°56	n.a.	T 28
F 29	2 7 52	0♏57'47	2♓33	13° 9	3°27	19°39	1°13	8°51	29°42	20°27	29°45	27°24	27°15	13° 3	n.a.	F 29
S 30	2 11 48	1°58'46	14°53	12°16	4°42	20°25	1°26	8°49	29°45	20°26	29°46	27°18	27°12	13° 9	n.a.	S 30
S 31	2 15 45	2♏59'46	27♓ 4	11♏14	5♏58	21♐12	1♐39	8♓47	29♏49	20♒26	29♐47	27♑ 9	27♑ 8	13♉16	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s 4	12s13	1n57	10s17	1s52	1n53	1n16	21s23	1s23	19s10	0n15	10s16	2s42	20s 2	0n 1	15s55	1s14	27s53	4s 8	20s21	20s41	19n45		n.a.
S 2	1 28	6 55	2 55	10 54	1 58	1 22	1 15	21 33	1 23	19 13	0 15	10 18	2 41	20 3	0 1	15 55	1 14	27 53	4 8	20 22	20 42	19 47		n.a.
S 3	1 53	1 26	3 44	11 30	2 3	0 50	1 14	21 43	1 23	19 15	0 15	10 19	2 41	20 3	0 1	15 56	1 14	27 53	4 8	20 23	20 42	19 49		n.a.
M 4	2 17	4n 2	4 22	12 5	2 8	0 19	1 13	21 53	1 24	19 18	0 15	10 21	2 41	20 4	0 1	15 56	1 14	27 53	4 8	20 26	20 43	19 51		n.a.
T 5	2 41	9 18	4 48	12 39	2 13	0s13	1 11	22 3	1 24	19 21	0 15	10 22	2 41	20 5	0 1	15 56	1 14	27 53	4 8	20 28	20 44	19 53		n.a.
W 6	3 5	14 9	5 0	13 12	2 17	0 44	1 10	22 12	1 24	19 24	0 15	10 24	2 41	20 5	0 1	15 57	1 14	27 53	4 8	20 31	20 44	19 55		n.a.
T 7	3 29	18 27	4 59	13 45	2 22	1 16	1 8	22 22	1 24	19 27	0 15	10 25	2 41	20 6	0 1	15 57	1 14	27 53	4 8	20 34	20 45	19 57		n.a.
F 8	3 53	21 59	4 45	14 16	2 26	1 47	1 7	22 31	1 24	19 29	0 14	10 26	2 41	20 6	0 1	15 57	1 14	27 53	4 8	20 36	20 46	19 59		n.a.
S 9	4 17	24 36	4 19	14 46	2 29	2 19	1 6	22 40	1 24	19 32	0 14	10 28	2 41	20 7	0 1	15 58	1 14	27 53	4 8	20 38	20 46	20 1		n.a.
S 10	4 41	26 9	3 42	15 15	2 32	2 50	1 4	22 48	1 24	19 35	0 14	10 29	2 41	20 8	0 1	15 58	1 14	27 53	4 8	20 40	20 47	20 3		n.a.
M11	5 5	26 30	2 54	15 42	2 35	3 22	1 2	22 57	1 24	19 38	0 14	10 30	2 40	20 8	0 1	15 58	1 14	27 53	4 8	20 41	20 47	20 5		n.a.
T 12	5 29	25 35	1 58	16 8	2 37	3 53	1 1	23 5	1 25	19 41	0 14	10 32	2 40	20 9	0 1	15 58	1 14	27 53	4 8	20 41	20 48	20 7		n.a.
W13	5 53	23 25	0 55	16 32	2 39	4 25	0 59	23 13	1 25	19 43	0 14	10 33	2 40	20 9	0 1	15 59	1 14	27 53	4 8	20 41	20 49	20 9		n.a.
T 14	6 17	20 1	0s12	16 55	2 40	4 56	0 57	23 20	1 25	19 46	0 14	10 34	2 40	20 10	0 1	15 59	1 14	27 53	4 8	20 41	20 49	20 11		n.a.
F 15	6 40	15 32	1 20	17 16	2 40	5 27	0 55	23 28	1 25	19 49	0 14	10 35	2 40	20 11	0 1	15 59	1 14	27 53	4 8	20 41	20 50	20 13		n.a.
S 16	7 4	10 8	2 27	17 34	2 40	5 58	0 54	23 35	1 25	19 52	0 13	10 36	2 40	20 11	0 1	15 59	1 14	27 53	4 8	20 42	20 51	20 15		n.a.
S 17	7 27	4 2	3 27	17 51	2 39	6 29	0 52	23 42	1 25	19 55	0 13	10 37	2 39	20 12	0 1	15 59	1 14	27 53	4 8	20 43	20 51	20 17		n.a.
M18	7 51	2s27	4 15	18 5	2 37	7 0	0 50	23 48	1 25	19 58	0 13	10 38	2 39	20 13	0 1	16 0	1 14	27 53	4 8	20 44	20 52	20 19		n.a.
T 19	8 14	8 58	4 47	18 17	2 34	7 30	0 48	23 55	1 25	20 1	0 13	10 39	2 39	20 13	0 1	16 0	1 14	27 53	4 8	20 47	20 53	20 21		n.a.
W20	8 37	15 3	5 0	18 25	2 30	8 1	0 46	24 1	1 25	20 3	0 13	10 40	2 39	20 14	0 1	16 0	1 14	27 53	4 8	20 49	20 53	20 23		n.a.
T 21	9 0	20 13	4 51	18 31	2 25	8 31	0 44	24 7	1 25	20 6	0 13	10 41	2 39	20 15	0 1	16 0	1 14	27 53	4 8	20 51	20 54	20 25		n.a.
F 22	9 22	24 0	4 22	18 33	2 19	9 1	0 42	24 13	1 25	20 9	0 13	10 42	2 39	20 15	0 1	16 0	1 13	27 53	4 8	20 53	20 55	20 27		n.a.
S 23	9 45	26 4	3 35	18 31	2 11	9 31	0 40	24 18	1 25	20 12	0 12	10 43	2 38	20 16	0 1	16 0	1 13	27 53	4 8	20 55	20 55	20 28		n.a.
S 24	10 8	26 18	2 36	18 26	2 2	10 0	0 38	24 23	1 25	20 15	0 12	10 43	2 38	20 17	0 1	16 1	1 13	27 53	4 8	20 56	20 56	20 30		n.a.
M25	10 30	24 49	1 29	18 16	1 52	10 30	0 35	24 28	1 25	20 18	0 12	10 44	2 38	20 18	0 1	16 1	1 13	27 53	4 8	20 56	20 56	20 32		n.a.
T 26	10 52	21 53	0 18	18 2	1 40	10 59	0 33	24 33	1 25	20 20	0 12	10 45	2 38	20 18	0 1	16 1	1 13	27 53	4 8	20 56	20 57	20 34		n.a.
W27	11 14	17 54	0n51	17 43	1 26	11 28	0 31	24 37	1 25	20 23	0 12	10 46	2 38	20 19	0 1	16 1	1 13	27 53	4 8	20 56	20 58	20 36		n.a.
T 28	11 36	13 11	1 56	17 19	1 11	11 56	0 29	24 41	1 25	20 26	0 12	10 46	2 37	20 20	0 1	16 1	1 13	27 53	4 8	20 56	20 58	20 38		n.a.
F 29	11 58	8 0	2 54	16 51	0 54	12 24	0 27	24 45	1 24	20 29	0 12	10 47	2 37	20 20	0 1	16 1	1 13	27 53	4 8	20 57	20 59	20 40		n.a.
S 30	12 19	2 37	3 42	16 17	0 36	12 52	0 24	24 48	1 24	20 32	0 12	10 47	2 37	20 21	0 1	16 1	1 13	27 53	4 8	20 58	21 0	20 42		n.a.
S 31	12s40	2n47	4n20	15s39	0s16	13s20	0n22	24s51	1s24	20s34	0n11	10s48	2s37	20s22	0n 1	16s 1	1s13	27s53	4s 8	21s 0	21s 0	20n44		n.a.

Julian Day Number = 1557699.5, Delta T = 04h26m23s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'47, Lahiri = -10°08'46 Julian Calendar 1 Oct. 449 BCE == Greg. Calendar 26 Sept. 449 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

NOVEMBER 449 BCE (-448) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 19 42	4♏ 0'46	9♈ 8	10°R 4	7♏13	21♐58	1♐52	8°R45	29♏52	20°R26	29♐48	26°R57	27♑ 5	13♉23	n.a.	M 1
T 2	2 23 38	5° 1'48	21° 7	8♏47	8°29	22°45	2° 5	8♓44	29°55	20♒26	29°49	26♑43	27° 2	13°29	n.a.	T 2
W 3	2 27 35	6° 2'51	3♉ 2	7°25	9°44	23°31	2°18	8°42	29°59	20°26	29°51	26°28	26°59	13°36	n.a.	W 3
T 4	2 31 31	7° 3'54	14°55	6° 2	11° 0	24°18	2°32	8°41	0♐ 2	20°26	29°52	26°14	26°56	13°43	n.a.	T 4
F 5	2 35 28	8° 4'59	26°46	4°41	12°15	25° 4	2°45	8°40	0° 5	20°25	29°53	26° 0	26°52	13°50	n.a.	F 5
S 6	2 39 24	9° 6'05	8♊38	3°23	13°31	25°51	2°58	8°38	0° 9	20°25	29°55	25°49	26°49	13°56	n.a.	S 6
S 7	2 43 21	10° 7'11	20°33	2°12	14°46	26°37	3°12	8°37	0°12	20°D25	29°56	25°41	26°46	14° 3	n.a.	S 7
M 8	2 47 17	11° 8'19	2♋33	1° 9	16° 2	27°24	3°25	8°36	0°16	20°25	29°57	25°36	26°43	14°10	n.a.	M 8
T 9	2 51 14	12° 9'27	14°41	0°16	17°17	28°11	3°38	8°35	0°19	20°26	29°59	25°34	26°40	14°16	n.a.	T 9
W10	2 55 11	13°10'37	27° 3	29♎34	18°33	28°57	3°52	8°35	0°23	20°26	0♑ 0	25°D33	26°37	14°23	n.a.	W10
T 11	2 59 7	14°11'48	9♌42	29° 4	19°48	29°44	4° 5	8°34	0°26	20°26	0° 1	25°R34	26°33	14°30	n.a.	T 11
F 12	3 3 4	15°12'59	22°43	28°44	21° 4	0♑31	4°19	8°34	0°30	20°26	0° 3	25°34	26°30	14°37	n.a.	F 12
S 13	3 7 0	16°14'11	6♍11	28°D35	22°19	1°17	4°32	8°33	0°33	20°26	0° 4	25°32	26°27	14°43	n.a.	S 13
S 14	3 10 57	17°15'25	20° 8	28°37	23°35	2° 4	4°46	8°33	0°37	20°26	0° 6	25°28	26°24	14°50	n.a.	S 14
M15	3 14 53	18°16'39	4♎34	28°48	24°50	2°51	5° 0	8°33	0°40	20°27	0° 7	25°21	26°21	14°57	n.a.	M15
T 16	3 18 50	19°17'53	19°26	29° 7	26° 6	3°37	5°13	8°D33	0°44	20°27	0° 9	25°12	26°18	15° 3	n.a.	T 16
W17	3 22 46	20°19'09	4♏38	29°35	27°21	4°24	5°27	8°33	0°48	20°27	0°10	25° 2	26°14	15°10	n.a.	W17
T 18	3 26 43	21°20'25	19°58	0♏10	28°37	5°11	5°41	8°33	0°51	20°28	0°12	24°52	26°11	15°17	n.a.	T 18
F 19	3 30 40	22°21'41	5♐16	0°51	29°52	5°58	5°55	8°33	0°55	20°28	0°13	24°43	26° 8	15°24	n.a.	F 19
S 20	3 34 36	23°22'58	20°21	1°38	1♐ 8	6°44	6° 8	8°34	0°58	20°29	0°15	24°36	26° 5	15°30	n.a.	S 20
S 21	3 38 33	24°24'15	5♑ 3	2°30	2°23	7°31	6°22	8°34	1° 2	20°29	0°17	24°32	26° 2	15°37	n.a.	S 21
M22	3 42 29	25°25'32	19°17	3°26	3°38	8°18	6°36	8°35	1° 6	20°30	0°18	24°D31	25°58	15°44	n.a.	M22
T 23	3 46 26	26°26'49	3♒ 3	4°26	4°54	9° 5	6°50	8°35	1° 9	20°30	0°20	24°31	25°55	15°50	n.a.	T 23
W24	3 50 22	27°28'06	16°21	5°29	6° 9	9°52	7° 4	8°36	1°13	20°31	0°22	24°32	25°52	15°57	n.a.	W24
T 25	3 54 19	28°29'22	29°14	6°36	7°25	10°38	7°18	8°37	1°16	20°31	0°23	24°R32	25°49	16° 4	n.a.	T 25
F 26	3 58 16	29°30'39	11♓46	7°45	8°40	11°25	7°32	8°38	1°20	20°32	0°25	24°31	25°46	16°11	n.a.	F 26
S 27	4 2 12	0♐31'55	24° 3	8°57	9°55	12°12	7°46	8°39	1°24	20°33	0°27	24°28	25°43	16°17	n.a.	S 27
S 28	4 6 9	1°33'11	6♈ 8	10°10	11°11	12°59	8° 0	8°41	1°27	20°33	0°28	24°23	25°39	16°24	n.a.	S 28
M29	4 10 5	2°34'26	18° 6	11°26	12°26	13°46	8°13	8°42	1°31	20°34	0°30	24°15	25°36	16°31	n.a.	M29
T 30	4 14 2	3♐35'42	29♈59	12♏43	13♐41	14♑32	8♐27	8♓44	1♐35	20♒35	0♑32	24♑ 6	25♑33	16♉37	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13s 1	8n 1	4n45	14s58	0n 4	13s47	0n20	24s54	1s24	20s37	0n11	10s48	2s36	20s23	0n 1	16s 1	1s13	27s53	4s 8	21s 2	21s 1	20n45		n.a.
T 2	13 22	12 56	4 58	14 14	0 24	14 14	0 18	24 57	1 24	20 40	0 11	10 49	2 36	20 23	0 1	16 1	1 13	27 53	4 8	21 5	21 1	20 47		n.a.
W 3	13 43	17 20	4 57	13 28	0 45	14 41	0 15	24 59	1 24	20 43	0 11	10 49	2 36	20 24	0 1	16 1	1 13	27 53	4 8	21 8	21 2	20 49		n.a.
T 4	14 3	21 2	4 44	12 41	1 5	15 7	0 13	25 1	1 24	20 45	0 11	10 49	2 36	20 25	0 1	16 1	1 13	27 53	4 7	21 11	21 3	20 51		n.a.
F 5	14 23	23 52	4 18	11 56	1 24	15 33	0 10	25 3	1 24	20 48	0 11	10 50	2 36	20 25	0 1	16 1	1 13	27 53	4 7	21 13	21 3	20 53		n.a.
S 6	14 43	25 40	3 41	11 13	1 41	15 58	0 8	25 5	1 24	20 51	0 11	10 50	2 35	20 26	0 1	16 1	1 13	27 53	4 7	21 15	21 4	20 55		n.a.
S 7	15 3	26 18	2 54	10 34	1 57	16 23	0 6	25 6	1 23	20 54	0 11	10 50	2 35	20 27	0 1	16 1	1 13	27 52	4 7	21 17	21 5	20 56		n.a.
M 8	15 22	25 42	1 59	10 0	2 10	16 48	0 3	25 7	1 23	20 56	0 11	10 50	2 35	20 28	0 0	16 1	1 13	27 52	4 7	21 18	21 5	20 58		n.a.
T 9	15 41	23 53	0 57	9 31	2 22	17 12	0 1	25 7	1 23	20 59	0 10	10 50	2 35	20 28	0 0	16 1	1 13	27 52	4 7	21 18	21 6	21 0		n.a.
W10	16 0	20 53	0s 8	9 7	2 31	17 36	0s 1	25 8	1 23	21 2	0 10	10 50	2 34	20 29	0 0	16 1	1 13	27 52	4 7	21 18	21 6	21 2		n.a.
T 11	16 18	16 52	1 14	8 50	2 38	17 59	0 4	25 8	1 23	21 4	0 10	10 50	2 34	20 30	0 0	16 1	1 13	27 52	4 7	21 18	21 7	21 4		n.a.
F 12	16 37	11 56	2 19	8 38	2 43	18 21	0 6	25 7	1 22	21 7	0 10	10 50	2 34	20 31	0 0	16 1	1 13	27 52	4 7	21 18	21 8	21 6		n.a.
S 13	16 55	6 18	3 18	8 32	2 46	18 44	0 9	25 7	1 22	21 10	0 10	10 50	2 34	20 31	0 0	16 1	1 13	27 52	4 7	21 19	21 8	21 7		n.a.
S 14	17 12	0 10	4 8	8 31	2 48	19 5	0 11	25 6	1 22	21 12	0 10	10 50	2 33	20 32	0 0	16 1	1 13	27 52	4 7	21 19	21 9	21 9		n.a.
M15	17 30	6s10	4 43	8 35	2 48	19 26	0 13	25 5	1 22	21 15	0 10	10 50	2 33	20 33	0 0	16 1	1 13	27 52	4 7	21 21	21 9	21 11		n.a.
T 16	17 47	12 20	5 1	8 43	2 46	19 47	0 16	25 4	1 22	21 18	0 10	10 50	2 33	20 34	0 0	16 0	1 13	27 52	4 7	21 22	21 10	21 13		n.a.
W17	18 3	17 54	4 59	8 55	2 44	20 7	0 18	25 2	1 21	21 20	0 10	10 50	2 33	20 35	0 0	16 0	1 13	27 52	4 7	21 24	21 11	21 14		n.a.
T 18	18 20	22 22	4 35	9 10	2 41	20 26	0 20	25 0	1 21	21 23	0 9	10 49	2 32	20 35	0 0	16 0	1 13	27 52	4 7	21 26	21 11	21 16		n.a.
F 19	18 36	25 15	3 51	9 28	2 37	20 45	0 23	24 58	1 21	21 25	0 9	10 49	2 32	20 36	0 0	16 0	1 13	27 52	4 7	21 28	21 12	21 18		n.a.
S 20	18 52	26 15	2 52	9 49	2 32	21 4	0 25	24 55	1 21	21 28	0 9	10 48	2 32	20 37	0 0	16 0	1 13	27 52	4 7	21 29	21 12	21 20		n.a.
S 21	19 7	25 21	1 42	10 12	2 27	21 21	0 27	24 52	1 20	21 30	0 9	10 48	2 32	20 38	0 0	16 0	1 13	27 52	4 7	21 30	21 13	21 21		n.a.
M22	19 22	22 48	0 28	10 37	2 21	21 38	0 30	24 49	1 20	21 33	0 9	10 48	2 31	20 38	0 0	15 59	1 13	27 52	4 7	21 30	21 14	21 23		n.a.
T 23	19 37	18 59	0n46	11 4	2 14	21 55	0 32	24 46	1 20	21 35	0 9	10 47	2 31	20 39	0 0	15 59	1 12	27 52	4 7	21 30	21 14	21 25		n.a.
W24	19 51	14 20	1 54	11 31	2 8	22 11	0 34	24 42	1 19	21 38	0 9	10 47	2 31	20 40	0 0	15 59	1 12	27 52	4 7	21 30	21 15	21 27		n.a.
T 25	20 5	9 10	2 55	12 0	2 1	22 26	0 36	24 38	1 19	21 40	0 9	10 46	2 31	20 41	0 0	15 59	1 12	27 53	4 8	21 30	21 15	21 28		n.a.
F 26	20 18	3 46	3 45	12 29	1 53	22 40	0 39	24 34	1 19	21 43	0 9	10 45	2 30	20 41	0 0	15 59	1 12	27 53	4 8	21 30	21 16	21 30		n.a.
S 27	20 32	1n39	4 24	13 0	1 46	22 54	0 41	24 29	1 19	21 45	0 8	10 45	2 30	20 42	0 0	15 58	1 12	27 53	4 8	21 30	21 17	21 32		n.a.
S 28	20 44	6 54	4 51	13 30	1 38	23 7	0 43	24 24	1 18	21 47	0 8	10 44	2 30	20 43	0 0	15 58	1 12	27 53	4 8	21 31	21 17	21 33		n.a.
M29	20 57	11 52	5 4	14 1	1 31	23 20	0 45	24 19	1 18	21 50	0 8	10 43	2 30	20 44	0 0	15 58	1 12	27 53	4 8	21 33	21 18	21 35		n.a.
T 30	21s 9	16n21	5n 4	14s32	1n23	23s31	0s47	24s14	1s18	21s52	0n 8	10s42	2s29	20s44	0n 0	15s57	1s12	27s53	4s 8	21s34	21s18	21n37		n.a.

Julian Day Number = 1557730.5, Delta T = 04h26m21s
Ecliptic obliquity = 23°45'03, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'43, Lahiri = -10°08'42 Julian Calendar 1 Nov. 449 BCE == Greg. Calendar 27 Oct. 449 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 449 BCE
geocentric

DECEMBER 449 BCE (-448) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 17 58	4♐36'57	11♉51	14♏ 2	14♐57	15♑19	8♐41	8♓45	1♐38	20♒36	0♑33	23°R56	25♑30	16♉44	n.a.	W 1
T 2	4 21 55	5°38'12	23°43	15°22	16°12	16° 6	8°55	8°47	1°42	20°37	0°35	23♑45	25°27	16°51	n.a.	T 2
F 3	4 25 51	6°39'27	5♊37	16°43	17°27	16°53	9° 9	8°49	1°45	20°37	0°37	23°36	25°24	16°58	n.a.	F 3
S 4	4 29 48	7°40'42	17°35	18° 5	18°43	17°39	9°23	8°51	1°49	20°38	0°39	23°29	25°20	17° 4	n.a.	S 4
S 5	4 33 45	8°41'56	29°37	19°28	19°58	18°26	9°37	8°53	1°53	20°39	0°41	23°24	25°17	17°11	n.a.	S 5
M 6	4 37 41	9°43'10	11♋46	20°52	21°13	19°13	9°51	8°55	1°56	20°40	0°42	23°21	25°14	17°18	n.a.	M 6
T 7	4 41 38	10°44'25	24° 4	22°17	22°28	20° 0	10° 5	8°57	2° 0	20°41	0°44	23°D20	25°11	17°25	n.a.	T 7
W 8	4 45 34	11°45'38	6♌33	23°43	23°44	20°46	10°19	9° 0	2° 3	20°42	0°46	23°21	25° 8	17°31	n.a.	W 8
T 9	4 49 31	12°46'52	19°17	25° 9	24°59	21°33	10°33	9° 2	2° 7	20°43	0°48	23°22	25° 4	17°38	n.a.	T 9
F 10	4 53 27	13°48'05	2♍18	26°37	26°14	22°20	10°47	9° 5	2°11	20°45	0°50	23°24	25° 1	17°45	n.a.	F 10
S 11	4 57 24	14°49'19	15°41	28° 4	27°29	23° 6	11° 1	9° 7	2°14	20°46	0°51	23°R24	24°58	17°51	n.a.	S 11
S 12	5 1 21	15°50'31	29°27	29°33	28°45	23°53	11°15	9°10	2°18	20°47	0°53	23°24	24°55	17°58	n.a.	S 12
M13	5 5 17	16°51'44	13♎37	1♐ 2	29°59	24°40	11°29	9°13	2°21	20°48	0°55	23°21	24°52	18° 5	n.a.	M13
T 14	5 9 14	17°52'56	28°10	2°32	1♑15	25°26	11°43	9°16	2°25	20°49	0°57	23°17	24°49	18°11	n.a.	T 14
W15	5 13 10	18°54'09	13♏ 2	4° 2	2°30	26°13	11°57	9°19	2°28	20°51	0°59	23°12	24°45	18°18	n.a.	W15
T 16	5 17 7	19°55'20	28° 6	5°33	3°45	27° 0	12°11	9°22	2°32	20°52	1° 1	23° 7	24°42	18°25	n.a.	T 16
F 17	5 21 3	20°56'31	13♐12	7° 4	5° 0	27°46	12°25	9°26	2°35	20°53	1° 3	23° 2	24°39	18°32	n.a.	F 17
S 18	5 25 0	21°57'42	28°11	8°36	6°15	28°33	12°39	9°29	2°39	20°55	1° 5	22°58	24°36	18°38	n.a.	S 18
S 19	5 28 56	22°58'51	12♑55	10° 8	7°31	29°19	12°53	9°33	2°42	20°56	1° 6	22°57	24°33	18°45	n.a.	S 19
M20	5 32 53	24° 0'00	27°16	11°41	8°46	0♒ 6	13° 7	9°36	2°46	20°57	1° 8	22°D56	24°30	18°52	n.a.	M20
T 21	5 36 50	25° 1'07	11♒10	13°15	10° 1	0°53	13°21	9°40	2°49	20°59	1°10	22°57	24°26	18°58	n.a.	T 21
W22	5 40 46	26° 2'13	24°37	14°49	11°16	1°39	13°35	9°44	2°52	21° 0	1°12	22°59	24°23	19° 5	n.a.	W22
T 23	5 44 43	27° 3'18	7♓39	16°24	12°31	2°26	13°49	9°48	2°56	21° 2	1°14	23° 1	24°20	19°12	n.a.	T 23
F 24	5 48 39	28° 4'22	20°18	17°59	13°46	3°12	14° 2	9°52	2°59	21° 3	1°16	23° 2	24°17	19°19	n.a.	F 24
S 25	5 52 36	29° 5'24	2♈38	19°35	15° 1	3°59	14°16	9°56	3° 3	21° 5	1°18	23°R 2	24°14	19°25	n.a.	S 25
S 26	5 56 32	0♑ 6'25	14°44	21°12	16°16	4°45	14°30	10° 0	3° 6	21° 6	1°20	23° 1	24°10	19°32	n.a.	S 26
M27	6 0 29	1° 7'25	26°41	22°49	17°31	5°31	14°44	10° 4	3° 9	21° 8	1°22	22°59	24° 7	19°39	n.a.	M27
T 28	6 4 26	2° 8'23	8♉33	24°27	18°46	6°18	14°57	10° 8	3°13	21°10	1°24	22°56	24° 4	19°45	n.a.	T 28
W29	6 8 22	3° 9'20	20°24	26° 6	20° 1	7° 4	15°11	10°13	3°16	21°11	1°26	22°53	24° 1	19°52	n.a.	W29
T 30	6 12 19	4°10'16	2♊17	27°45	21°16	7°50	15°25	10°17	3°19	21°13	1°27	22°49	23°58	19°59	n.a.	T 30
F 31	6 16 15	5♑11'10	14♊15	29♐25	22♑30	8♒37	15♐38	10♓22	3♐22	21♒15	1♑29	22♑47	23♑55	20♉ 6	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	21s20	20n12	4n51	15s 4	1n15	23s42	0s49	24s 8	1s17	21s54	0n 8	10s41	2s29	20s45	0n 0	15s57	1s12	27s53	4s 8	21s36	21s19	21n39			n.a.
T 2	21 31	23 14	4 26	15 35	1 7	23 53	0 51	24 2	1 17	21 57	0 8	10 41	2 29	20 46	0 0	15 57	1 12	27 53	4 8	21 38	21 20	21 40			n.a.
F 3	21 42	25 16	3 48	16 6	0 59	24 2	0 53	23 56	1 17	21 59	0 8	10 40	2 29	20 47	0 0	15 57	1 12	27 53	4 8	21 39	21 20	21 42			n.a.
S 4	21 52	26 10	3 1	16 37	0 52	24 11	0 55	23 50	1 16	22 1	0 8	10 39	2 28	20 47	0 0	15 56	1 12	27 53	4 8	21 41	21 21	21 44			n.a.
S 5	22 2	25 50	2 5	17 7	0 44	24 19	0 57	23 43	1 16	22 3	0 8	10 38	2 28	20 48	0 0	15 56	1 12	27 53	4 8	21 42	21 21	21 45			n.a.
M 6	22 12	24 15	1 2	17 38	0 36	24 26	0 59	23 36	1 15	22 6	0 7	10 37	2 28	20 49	0 0	15 56	1 12	27 53	4 8	21 42	21 22	21 47			n.a.
T 7	22 21	21 31	0s 4	18 7	0 28	24 33	1 1	23 29	1 15	22 8	0 7	10 36	2 28	20 50	0 0	15 55	1 12	27 53	4 8	21 42	21 23	21 49			n.a.
W 8	22 29	17 44	1 11	18 37	0 21	24 39	1 3	23 21	1 15	22 10	0 7	10 34	2 28	20 50	0 0	15 55	1 12	27 53	4 8	21 42	21 23	21 50			n.a.
T 9	22 38	13 5	2 16	19 5	0 13	24 44	1 5	23 13	1 14	22 12	0 7	10 33	2 27	20 51	0 0	15 54	1 12	27 53	4 8	21 42	21 24	21 52			n.a.
F 10	22 45	7 45	3 16	19 33	0 6	24 48	1 6	23 5	1 14	22 14	0 7	10 32	2 27	20 52	0 0	15 54	1 12	27 53	4 8	21 42	21 24	21 53			n.a.
S 11	22 52	1 56	4 6	20 1	0s 2	24 52	1 8	22 57	1 13	22 16	0 7	10 31	2 27	20 53	0 0	15 54	1 12	27 53	4 8	21 41	21 25	21 55			n.a.
S 12	22 59	4s 7	4 45	20 28	0 9	24 54	1 10	22 48	1 13	22 18	0 7	10 29	2 27	20 53	0 0	15 53	1 12	27 53	4 8	21 42	21 25	21 57			n.a.
M13	23 6	10 8	5 7	20 53	0 16	24 56	1 11	22 40	1 13	22 21	0 7	10 28	2 26	20 54	0 0	15 53	1 12	27 53	4 8	21 42	21 26	21 58			n.a.
T 14	23 11	15 46	5 10	21 19	0 23	24 58	1 13	22 31	1 12	22 23	0 7	10 27	2 26	20 55	0 0	15 52	1 12	27 53	4 8	21 43	21 27	22 0			n.a.
W15	23 17	20 36	4 53	21 43	0 30	24 58	1 14	22 21	1 12	22 25	0 6	10 25	2 26	20 55	0 0	15 52	1 12	27 53	4 8	21 44	21 27	22 1			n.a.
T 16	23 22	24 8	4 15	22 6	0 36	24 58	1 16	22 12	1 11	22 27	0 6	10 24	2 26	20 56	0 0	15 51	1 12	27 53	4 8	21 45	21 28	22 3			n.a.
F 17	23 26	25 59	3 20	22 28	0 43	24 56	1 17	22 2	1 11	22 28	0 6	10 22	2 25	20 57	0 0	15 51	1 12	27 53	4 8	21 45	21 28	22 5			n.a.
S 18	23 30	25 56	2 11	22 50	0 49	24 54	1 19	21 52	1 10	22 30	0 6	10 21	2 25	20 57	0 0	15 51	1 12	27 53	4 8	21 46	21 29	22 6			n.a.
S 19	23 34	24 1	0 55	23 10	0 55	24 52	1 20	21 42	1 10	22 32	0 6	10 19	2 25	20 58	0 0	15 50	1 12	27 53	4 8	21 46	21 29	22 8			n.a.
M20	23 37	20 35	0n24	23 29	1 1	24 48	1 21	21 31	1 10	22 34	0 6	10 18	2 25	20 59	0 0	15 50	1 12	27 53	4 8	21 46	21 30	22 9			n.a.
T 21	23 39	16 4	1 38	23 47	1 7	24 44	1 22	21 21	1 9	22 36	0 6	10 16	2 24	21 0	0 0	15 49	1 12	27 53	4 9	21 46	21 31	22 11			n.a.
W22	23 41	10 53	2 45	24 4	1 12	24 39	1 23	21 10	1 9	22 38	0 6	10 15	2 24	21 0	0 0	15 49	1 12	27 53	4 9	21 46	21 31	22 13			n.a.
T 23	23 43	5 24	3 41	24 20	1 17	24 33	1 24	20 59	1 8	22 40	0 6	10 13	2 24	21 1	0 0	15 48	1 12	27 53	4 9	21 46	21 32	22 14			n.a.
F 24	23 44	0n 9	4 25	24 34	1 22	24 27	1 25	20 47	1 8	22 41	0 6	10 11	2 24	21 2	0 0	15 48	1 12	27 53	4 9	21 45	21 32	22 16			n.a.
S 25	23 45	5 33	4 55	24 47	1 27	24 19	1 26	20 36	1 7	22 43	0 5	10 9	2 24	21 2	0 0	15 47	1 12	27 53	4 9	21 45	21 33	22 17			n.a.
S 26	23 45	10 39	5 11	24 59	1 32	24 11	1 27	20 24	1 7	22 45	0 5	10 8	2 23	21 3	0 0	15 47	1 12	27 54	4 9	21 46	21 33	22 19			n.a.
M27	23 45	15 17	5 14	25 9	1 36	24 2	1 28	20 12	1 6	22 47	0 5	10 6	2 23	21 4	0 0	15 46	1 12	27 54	4 9	21 46	21 34	22 20			n.a.
T 28	23 44	19 18	5 3	25 18	1 40	23 53	1 29	20 0	1 6	22 48	0 5	10 4	2 23	21 4	0 0	15 45	1 12	27 54	4 9	21 46	21 35	22 22			n.a.
W29	23 43	22 33	4 39	25 25	1 43	23 43	1 29	19 48	1 5	22 50	0 5	10 2	2 23	21 5	0 0	15 45	1 11	27 54	4 9	21 47	21 35	22 23			n.a.
T 30	23 41	24 52	4 3	25 31	1 47	23 32	1 30	19 35	1 5	22 51	0 5	10 0	2 23	21 5	0 0	15 44	1 11	27 54	4 9	21 47	21 36	22 25			n.a.
F 31	23s39	26n 4	3n17	25s35	1s50	23s20	1s31	19s23	1s 4	22s53	0n 5	9s58	2s22	21s 6	0n 0	15s44	1s11	27s54	4s 9	21s48	21s36	22n26			n.a.

Julian Day Number = 1557760.5, Delta T = 04h26m20s
Ecliptic obliquity = 23°45'02, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'39, Lahiri = -10°08'38 Julian Calendar 1 Dec. 449 BCE == Greg. Calendar 26 Nov. 449 BCE

The year -448 astronomical counting style corresponds to year 449 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

JANUARY 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 20 12	6♉12'03	26♊19	1♉ 6	23♉45	9♒23	15♐52	10♓27	3♐26	21♒16	1♉31	22°R44	23♉51	20♈12	n.a.	S 1
S 2	6 24 8	7°12'55	8♋33	2°47	25° 0	10° 9	16° 6	10°31	3°29	21°18	1°33	22♉43	23°48	20°19	n.a.	S 2
M 3	6 28 5	8°13'45	20°57	4°30	26°15	10°55	16°19	10°36	3°32	21°20	1°35	22°D42	23°45	20°26	n.a.	M 3
T 4	6 32 1	9°14'34	3♌31	6°13	27°30	11°41	16°33	10°41	3°35	21°22	1°37	22°43	23°42	20°32	n.a.	T 4
W 5	6 35 58	10°15'22	16°18	7°56	28°44	12°28	16°46	10°46	3°38	21°23	1°39	22°43	23°39	20°39	n.a.	W 5
T 6	6 39 55	11°16'08	29°18	9°41	29°59	13°14	16°59	10°51	3°41	21°25	1°41	22°44	23°36	20°46	n.a.	T 6
F 7	6 43 51	12°16'53	12♍32	11°26	1♒14	14° 0	17°13	10°56	3°44	21°27	1°43	22°45	23°32	20°53	n.a.	F 7
S 8	6 47 48	13°17'37	26° 2	13°12	2°29	14°46	17°26	11° 2	3°47	21°29	1°44	22°46	23°29	20°59	n.a.	S 8
S 9	6 51 44	14°18'20	9♎47	14°59	3°43	15°32	17°39	11° 7	3°50	21°31	1°46	22°R47	23°26	21° 6	n.a.	S 9
M10	6 55 41	15°19'01	23°48	16°47	4°58	16°18	17°53	11°12	3°53	21°33	1°48	22°47	23°23	21°13	n.a.	M10
T 11	6 59 37	16°19'41	8♏ 4	18°35	6°13	17° 4	18° 6	11°18	3°56	21°35	1°50	22°46	23°20	21°19	n.a.	T 11
W12	7 3 34	17°20'21	22°32	20°24	7°27	17°49	18°19	11°23	3°59	21°37	1°52	22°46	23°16	21°26	n.a.	W12
T 13	7 7 30	18°20'58	7♐ 9	22°14	8°42	18°35	18°32	11°29	4° 2	21°39	1°54	22°45	23°13	21°33	n.a.	T 13
F 14	7 11 27	19°21'35	21°49	24° 4	9°56	19°21	18°45	11°35	4° 5	21°40	1°56	22°45	23°10	21°40	n.a.	F 14
S 15	7 15 24	20°22'09	6♑25	25°55	11°11	20° 7	18°58	11°40	4° 7	21°42	1°57	22°44	23° 7	21°46	n.a.	S 15
S 16	7 19 20	21°22'43	20°52	27°46	12°25	20°53	19°11	11°46	4°10	21°45	1°59	22°D44	23° 4	21°53	n.a.	S 16
M17	7 23 17	22°23'14	5♒ 3	29°38	13°40	21°38	19°24	11°52	4°13	21°47	2° 1	22°R44	23° 1	22° 0	n.a.	M17
T 18	7 27 13	23°23'44	18°55	1♒30	14°54	22°24	19°37	11°58	4°16	21°49	2° 3	22°44	22°57	22° 6	n.a.	T 18
W19	7 31 10	24°24'11	2♓23	3°22	16° 9	23°10	19°50	12° 4	4°18	21°51	2° 5	22°44	22°54	22°13	n.a.	W19
T 20	7 35 6	25°24'37	15°29	5°13	17°23	23°55	20° 2	12°10	4°21	21°53	2° 7	22°44	22°51	22°20	n.a.	T 20
F 21	7 39 3	26°25'00	28°13	7° 4	18°37	24°41	20°15	12°16	4°23	21°55	2° 8	22°44	22°48	22°26	n.a.	F 21
S 22	7 42 59	27°25'22	10♈39	8°55	19°52	25°27	20°28	12°23	4°26	21°57	2°10	22°43	22°45	22°33	n.a.	S 22
S 23	7 46 56	28°25'41	22°48	10°45	21° 6	26°12	20°40	12°29	4°28	21°59	2°12	22°D43	22°42	22°40	n.a.	S 23
M24	7 50 53	29°25'59	4♉47	12°33	22°20	26°57	20°53	12°35	4°31	22° 1	2°14	22°43	22°38	22°47	n.a.	M24
T 25	7 54 49	0♒26'14	16°40	14°19	23°34	27°43	21° 5	12°42	4°33	22° 3	2°15	22°43	22°35	22°53	n.a.	T 25
W26	7 58 46	1°26'27	28°31	16° 4	24°48	28°28	21°17	12°48	4°36	22° 5	2°17	22°44	22°32	23° 0	n.a.	W26
T 27	8 2 42	2°26'38	10♊25	17°45	26° 3	29°14	21°30	12°54	4°38	22° 8	2°19	22°45	22°29	23° 7	n.a.	T 27
F 28	8 6 39	3°26'46	22°26	19°24	27°17	29°59	21°42	13° 1	4°40	22°10	2°20	22°46	22°26	23°13	n.a.	F 28
S 29	8 10 35	4°26'53	4♋38	20°59	28°31	0♓44	21°54	13° 8	4°43	22°12	2°22	22°47	22°22	23°20	n.a.	S 29
S 30	8 14 32	5°26'58	17° 2	22°29	29°45	1°29	22° 6	13°14	4°45	22°14	2°24	22°R48	22°19	23°27	n.a.	S 30
M31	8 18 28	6♒27'00	29♋41	23♒55	0♓59	2♓14	22♐18	13♓21	4♐47	22♒16	2♉25	22♉47	22♉16	23♈34	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s36	26n 2	2n21	25s37	1s53	23s 8	1s31	19s10	1s 4	22s55	0n 5	9s56	2s22	21s 7	0n 0	15s43	1s11	27s54	4s 9	21s48	21s37	22n28		n.a.
S 2	23 33	24 46	1 17	25 38	1 55	22 54	1 31	18 57	1 3	22 56	0 5	9 54	2 22	21 7	0 0	15 43	1 11	27 54	4 9	21 49	21 37	22 29		n.a.
M 3	23 29	22 15	0 10	25 37	1 57	22 41	1 32	18 43	1 3	22 58	0 5	9 52	2 22	21 8	0s 0	15 42	1 11	27 54	4 10	21 49	21 38	22 31		n.a.
T 4	23 25	18 39	1s 0	25 35	1 59	22 26	1 32	18 30	1 2	22 59	0 4	9 50	2 22	21 9	0 0	15 41	1 11	27 54	4 10	21 49	21 38	22 32		n.a.
W 5	23 21	14 8	2 7	25 30	2 0	22 11	1 32	18 16	1 2	23 1	0 4	9 48	2 21	21 9	0 0	15 41	1 11	27 54	4 10	21 48	21 39	22 34		n.a.
T 6	23 16	8 55	3 9	25 24	2 1	21 55	1 33	18 2	1 1	23 2	0 4	9 46	2 21	21 10	0 0	15 40	1 11	27 54	4 10	21 48	21 40	22 35		n.a.
F 7	23 10	3 13	4 2	25 16	2 1	21 39	1 33	17 48	1 1	23 4	0 4	9 44	2 21	21 10	0 0	15 40	1 11	27 54	4 10	21 48	21 40	22 37		n.a.
S 8	23 5	2s44	4 43	25 6	2 1	21 22	1 33	17 34	1 0	23 5	0 4	9 41	2 21	21 11	0 0	15 39	1 11	27 54	4 10	21 48	21 41	22 38		n.a.
S 9	22 58	8 39	5 9	24 54	2 1	21 4	1 33	17 20	1 0	23 6	0 4	9 39	2 21	21 12	0 0	15 38	1 11	27 54	4 10	21 48	21 41	22 39		n.a.
M10	22 51	14 15	5 17	24 40	2 0	20 46	1 32	17 6	0 59	23 8	0 4	9 37	2 20	21 12	0 0	15 38	1 11	27 55	4 10	21 48	21 42	22 41		n.a.
T 11	22 44	19 11	5 6	24 24	1 58	20 27	1 32	16 51	0 58	23 9	0 4	9 35	2 20	21 13	0 0	15 37	1 11	27 55	4 10	21 48	21 42	22 42		n.a.
W12	22 37	23 4	4 35	24 5	1 56	20 8	1 32	16 36	0 58	23 10	0 4	9 32	2 20	21 13	0 0	15 36	1 11	27 55	4 10	21 48	21 43	22 44		n.a.
T 13	22 28	25 31	3 47	23 45	1 54	19 48	1 32	16 21	0 57	23 11	0 3	9 30	2 20	21 14	0 0	15 36	1 11	27 55	4 11	21 48	21 43	22 45		n.a.
F 14	22 20	26 13	2 43	23 23	1 50	19 27	1 31	16 6	0 57	23 13	0 3	9 28	2 20	21 14	0 0	15 35	1 11	27 55	4 11	21 48	21 44	22 47		n.a.
S 15	22 11	25 5	1 29	22 59	1 47	19 6	1 31	15 51	0 56	23 14	0 3	9 25	2 20	21 15	0 0	15 34	1 11	27 55	4 11	21 48	21 44	22 48		n.a.
S 16	22 2	22 17	0 10	22 33	1 42	18 44	1 30	15 36	0 56	23 15	0 3	9 23	2 19	21 15	0 0	15 34	1 11	27 55	4 11	21 48	21 45	22 49		n.a.
M17	21 52	18 9	1n 8	22 5	1 37	18 22	1 30	15 20	0 55	23 16	0 3	9 20	2 19	21 16	0 0	15 33	1 11	27 55	4 11	21 48	21 46	22 51		n.a.
T 18	21 42	13 8	2 20	21 35	1 32	17 59	1 29	15 5	0 54	23 17	0 3	9 18	2 19	21 16	0 0	15 32	1 11	27 55	4 11	21 48	21 46	22 52		n.a.
W19	21 31	7 36	3 23	21 2	1 25	17 36	1 28	14 49	0 54	23 18	0 3	9 15	2 19	21 17	0 0	15 32	1 11	27 55	4 11	21 48	21 47	22 53		n.a.
T 20	21 20	1 55	4 13	20 29	1 18	17 13	1 27	14 33	0 53	23 20	0 3	9 13	2 19	21 17	0 0	15 31	1 11	27 55	4 11	21 48	21 47	22 55		n.a.
F 21	21 9	3n41	4 49	19 53	1 11	16 49	1 27	14 17	0 53	23 21	0 3	9 10	2 19	21 18	0 0	15 30	1 11	27 55	4 12	21 48	21 48	22 56		n.a.
S 22	20 57	9 0	5 10	19 16	1 2	16 24	1 26	14 1	0 52	23 22	0 3	9 8	2 18	21 18	0 0	15 30	1 11	27 56	4 12	21 48	21 48	22 58		n.a.
S 23	20 45	13 52	5 17	18 37	0 53	15 59	1 25	13 45	0 52	23 23	0 2	9 5	2 18	21 19	0 0	15 29	1 11	27 56	4 12	21 49	21 49	22 59		n.a.
M24	20 32	18 8	5 10	17 57	0 43	15 34	1 23	13 29	0 51	23 24	0 2	9 3	2 18	21 19	0 0	15 28	1 11	27 56	4 12	21 49	21 49	23 0		n.a.
T 25	20 19	21 39	4 50	17 16	0 33	15 8	1 22	13 13	0 50	23 25	0 2	9 0	2 18	21 20	0 0	15 28	1 11	27 56	4 12	21 48	21 50	23 2		n.a.
W26	20 6	24 16	4 18	16 34	0 22	14 42	1 21	12 56	0 50	23 25	0 2	8 58	2 18	21 20	0 0	15 27	1 11	27 56	4 12	21 48	21 50	23 3		n.a.
T 27	19 52	25 49	3 34	15 52	0 10	14 15	1 20	12 40	0 49	23 26	0 2	8 55	2 18	21 21	0 0	15 26	1 11	27 56	4 12	21 48	21 51	23 4		n.a.
F 28	19 38	26 12	2 40	15 9	0n 3	13 48	1 18	12 23	0 49	23 27	0 2	8 52	2 18	21 21	0 0	15 25	1 11	27 56	4 12	21 48	21 51	23 6		n.a.
S 29	19 24	25 19	1 39	14 26	0 16	13 21	1 17	12 6	0 48	23 28	0 2	8 50	2 18	21 22	0 0	15 25	1 11	27 56	4 13	21 48	21 52	23 7		n.a.
S 30	19 9	23 11	0 32	13 44	0 29	12 53	1 15	11 49	0 47	23 29	0 2	8 47	2 17	21 22	0 0	15 24	1 11	27 56	4 13	21 48	21 52	23 8		n.a.
M31	18s54	19n52	0s38	13s 3	0n43	12s25	1s14	11s32	0s47	23s30	0n 2	8s44	2s17	21s22	0s 0	15s23	1s11	27s57	4s13	21s48	21s53	23n 9		n.a.

Julian Day Number = 1557791.5, Delta T = 04h26m19s
Ecliptic obliquity = 23°45'01, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'34, Lahiri = -10°08'34 Julian Calendar 1 Jan. 448 BCE == Greg. Calendar 27 Dec. 449 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

FEBRUARY 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 22 25	7♒27'00	12♌36	25♒15	2♓12	3♓ 0	22♐30	13♓28	4♐49	22♒19	2♑27	22°R47	22♑13	23♉40	n.a.	T 1
W 2	8 26 22	8°26'59	25°47	26°29	3°26	3°45	22°42	13°34	4°51	22°21	2°29	22♑45	22°10	23°47	n.a.	W 2
T 3	8 30 18	9°26'55	9♍12	27°37	4°40	4°30	22°53	13°41	4°53	22°23	2°30	22°43	22° 7	23°54	n.a.	T 3
F 4	8 34 15	10°26'49	22°50	28°38	5°54	5°15	23° 5	13°48	4°55	22°25	2°32	22°41	22° 3	24° 0	n.a.	F 4
S 5	8 38 11	11°26'42	6♎39	29°31	7° 8	5°59	23°17	13°55	4°57	22°27	2°33	22°38	22° 0	24° 7	n.a.	S 5
S 6	8 42 8	12°26'32	20°38	0♓16	8°21	6°44	23°28	14° 2	4°59	22°30	2°35	22°36	21°57	24°14	n.a.	S 6
M 7	8 46 4	13°26'21	4♏43	0°53	9°35	7°29	23°39	14° 9	5° 1	22°32	2°36	22°35	21°54	24°20	n.a.	M 7
T 8	8 50 1	14°26'09	18°53	1°22	10°49	8°14	23°51	14°16	5° 3	22°34	2°38	22°D35	21°51	24°27	n.a.	T 8
W 9	8 53 57	15°25'54	3♐ 5	1°42	12° 2	8°59	24° 2	14°23	5° 4	22°36	2°39	22°36	21°48	24°34	n.a.	W 9
T 10	8 57 54	16°25'38	17°19	1°54	13°16	9°43	24°13	14°30	5° 6	22°39	2°41	22°37	21°44	24°41	n.a.	T 10
F 11	9 1 51	17°25'20	1♑30	1°R57	14°29	10°28	24°24	14°38	5° 8	22°41	2°42	22°38	21°41	24°47	n.a.	F 11
S 12	9 5 47	18°25'00	15°38	1°51	15°43	11°13	24°35	14°45	5°10	22°43	2°44	22°R39	21°38	24°54	n.a.	S 12
S 13	9 9 44	19°24'38	29°37	1°37	16°56	11°57	24°46	14°52	5°11	22°45	2°45	22°39	21°35	25° 1	n.a.	S 13
M14	9 13 40	20°24'14	13♒26	1°16	18° 9	12°42	24°57	14°59	5°13	22°48	2°47	22°38	21°32	25° 7	n.a.	M14
T 15	9 17 37	21°23'48	27° 0	0°48	19°23	13°26	25° 7	15° 7	5°14	22°50	2°48	22°35	21°28	25°14	n.a.	T 15
W16	9 21 33	22°23'19	10♓19	0°13	20°36	14°11	25°18	15°14	5°16	22°52	2°49	22°31	21°25	25°21	n.a.	W16
T 17	9 25 30	23°22'48	23°19	29♒33	21°49	14°55	25°28	15°21	5°17	22°55	2°51	22°26	21°22	25°27	n.a.	T 17
F 18	9 29 26	24°22'15	6♈ 1	28°48	23° 2	15°39	25°39	15°29	5°18	22°57	2°52	22°20	21°19	25°34	n.a.	F 18
S 19	9 33 23	25°21'40	18°27	27°59	24°15	16°24	25°49	15°36	5°20	22°59	2°53	22°15	21°16	25°41	n.a.	S 19
S 20	9 37 19	26°21'02	0♉38	27° 8	25°28	17° 8	25°59	15°44	5°21	23° 1	2°55	22°11	21°13	25°48	n.a.	S 20
M21	9 41 16	27°20'22	12°38	26°15	26°41	17°52	26° 9	15°51	5°22	23° 4	2°56	22° 8	21° 9	25°54	n.a.	M21
T 22	9 45 13	28°19'40	24°31	25°23	27°54	18°36	26°19	15°59	5°23	23° 6	2°57	22°D 7	21° 6	26° 1	n.a.	T 22
W23	9 49 9	29°18'55	6♊22	24°30	29° 7	19°20	26°29	16° 6	5°24	23° 8	2°58	22° 7	21° 3	26° 8	n.a.	W23
T 24	9 53 6	0♓18'07	18°16	23°40	0♈20	20° 4	26°39	16°14	5°25	23°10	3° 0	22° 9	21° 0	26°14	n.a.	T 24
F 25	9 57 2	1°17'18	0♋18	22°52	1°32	20°48	26°48	16°21	5°26	23°13	3° 1	22°10	20°57	26°21	n.a.	F 25
S 26	10 0 59	2°16'26	12°33	22° 8	2°45	21°32	26°58	16°29	5°27	23°15	3° 2	22°12	20°53	26°28	n.a.	S 26
S 27	10 4 55	3°15'31	25° 4	21°28	3°58	22°16	27° 7	16°36	5°28	23°17	3° 3	22°R12	20°50	26°34	n.a.	S 27
M28	10 8 52	4♓14'34	7♌55	20♒52	5♈10	23♓ 0	27♐16	16♓44	5♐29	23♒19	3♑ 4	22♑11	20♑47	26♉41	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s39	15n32	1s47	12s22	0n58	11s57	1s12	11s15	0s46	23s31	0n 1	8s41	2s17	21s23	0s 0	15s22	1s11	27s57	4s13	21s48	21s54	23n11		n.a.
W 2	18 23	10 23	2 52	11 43	1 12	11 28	1 11	10 58	0 46	23 31	0 1	8 39	2 17	21 23	0 0	15 22	1 11	27 57	4 13	21 48	21 54	23 12		n.a.
T 3	18 7	4 41	3 49	11 6	1 27	10 59	1 9	10 41	0 45	23 32	0 1	8 36	2 17	21 24	0 0	15 21	1 11	27 57	4 13	21 49	21 55	23 13		n.a.
F 4	17 51	1s18	4 34	10 31	1 41	10 30	1 7	10 24	0 44	23 33	0 1	8 33	2 17	21 24	0 0	15 20	1 11	27 57	4 13	21 49	21 55	23 15		n.a.
S 5	17 34	7 18	5 3	9 59	1 56	10 1	1 5	10 7	0 44	23 34	0 1	8 30	2 17	21 24	0 0	15 20	1 11	27 57	4 14	21 49	21 56	23 16		n.a.
S 6	17 17	13 0	5 15	9 30	2 10	9 31	1 3	9 49	0 43	23 34	0 1	8 27	2 17	21 25	0 0	15 19	1 11	27 57	4 14	21 50	21 56	23 17		n.a.
M 7	17 0	18 5	5 8	9 3	2 24	9 1	1 1	9 32	0 43	23 35	0 1	8 25	2 17	21 25	0 0	15 18	1 11	27 57	4 14	21 50	21 57	23 18		n.a.
T 8	16 43	22 11	4 43	8 41	2 37	8 31	0 59	9 14	0 42	23 36	0 1	8 22	2 16	21 25	0 0	15 17	1 11	27 57	4 14	21 50	21 57	23 20		n.a.
W 9	16 25	24 58	4 0	8 22	2 50	8 1	0 57	8 57	0 41	23 36	0 1	8 19	2 16	21 26	0 0	15 17	1 11	27 58	4 14	21 50	21 58	23 21		n.a.
T 10	16 7	26 10	3 2	8 7	3 2	7 30	0 55	8 39	0 41	23 37	0 0	8 16	2 16	21 26	0 0	15 16	1 11	27 58	4 14	21 50	21 58	23 22		n.a.
F 11	15 49	25 38	1 54	7 56	3 12	7 0	0 53	8 21	0 40	23 38	0 0	8 13	2 16	21 26	0 0	15 15	1 11	27 58	4 15	21 49	21 59	23 23		n.a.
S 12	15 30	23 28	0 39	7 49	3 22	6 29	0 50	8 4	0 39	23 38	0 0	8 10	2 16	21 27	0 0	15 14	1 11	27 58	4 15	21 49	21 59	23 25		n.a.
S 13	15 11	19 52	0n38	7 46	3 30	5 58	0 48	7 46	0 39	23 39	0 0	8 7	2 16	21 27	0 0	15 14	1 11	27 58	4 15	21 49	22 0	23 26		n.a.
M14	14 52	15 14	1 52	7 48	3 36	5 26	0 46	7 28	0 38	23 39	0s 0	8 4	2 16	21 27	0 0	15 13	1 11	27 58	4 15	21 49	22 0	23 27		n.a.
T 15	14 33	9 54	2 57	7 53	3 41	4 55	0 43	7 10	0 38	23 40	0 0	8 1	2 16	21 28	0 0	15 12	1 11	27 58	4 15	21 50	22 1	23 28		n.a.
W16	14 14	4 14	3 52	8 3	3 44	4 24	0 41	6 52	0 37	23 40	0 0	7 58	2 16	21 28	0 0	15 11	1 11	27 59	4 15	21 51	22 1	23 29		n.a.
T 17	13 54	1n29	4 33	8 16	3 45	3 52	0 38	6 34	0 36	23 41	0 0	7 55	2 16	21 28	0 0	15 11	1 11	27 59	4 16	21 51	22 2	23 31		n.a.
F 18	13 34	6 59	4 59	8 32	3 45	3 21	0 36	6 16	0 36	23 41	0 0	7 53	2 16	21 28	0 0	15 10	1 11	27 59	4 16	21 52	22 2	23 32		n.a.
S 19	13 14	12 6	5 11	8 51	3 42	2 49	0 33	5 58	0 35	23 42	0 1	7 50	2 16	21 29	0 0	15 9	1 11	27 59	4 16	21 53	22 3	23 33		n.a.
S 20	12 54	16 39	5 8	9 13	3 38	2 17	0 30	5 40	0 34	23 42	0 1	7 47	2 16	21 29	0 0	15 8	1 11	27 59	4 16	21 54	22 3	23 34		n.a.
M21	12 33	20 27	4 52	9 37	3 32	1 45	0 28	5 22	0 34	23 42	0 1	7 44	2 15	21 29	0 0	15 8	1 11	27 59	4 16	21 54	22 4	23 35		n.a.
T 22	12 13	23 24	4 24	10 2	3 24	1 13	0 25	5 4	0 33	23 43	0 1	7 41	2 15	21 29	0 0	15 7	1 11	27 59	4 16	21 54	22 4	23 36		n.a.
W23	11 52	25 19	3 44	10 28	3 15	0 42	0 22	4 46	0 33	23 43	0 1	7 38	2 15	21 29	0 0	15 6	1 11	28 0	4 17	21 54	22 5	23 38		n.a.
T 24	11 31	26 7	2 54	10 55	3 4	0 10	0 19	4 28	0 32	23 44	0 1	7 35	2 15	21 30	0 0	15 5	1 11	28 0	4 17	21 54	22 5	23 39		n.a.
F 25	11 9	25 41	1 56	11 22	2 52	0n22	0 16	4 10	0 31	23 44	0 1	7 32	2 15	21 30	0 1	15 5	1 11	28 0	4 17	21 54	22 6	23 40		n.a.
S 26	10 48	24 1	0 52	11 49	2 39	0 54	0 13	3 52	0 31	23 44	0 1	7 28	2 15	21 30	0 1	15 4	1 11	28 0	4 17	21 54	22 6	23 41		n.a.
S 27	10 26	21 9	0s16	12 15	2 25	1 26	0 11	3 34	0 30	23 45	0 2	7 25	2 15	21 30	0 1	15 3	1 11	28 0	4 17	21 54	22 7	23 42		n.a.
M28	10s 5	17n10	1s24	12s40	2n10	1n58	0s 8	3s16	0s29	23s45	0s 2	7s22	2s15	21s30	0s 1	15s 2	1s11	28s 0	4s18	21s54	22s 7	23n43		n.a.

Julian Day Number = 1557822.5, Delta T = 04h26m18s
Ecliptic obliquity = 23°45'01, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'30, Lahiri = -10°08'30 Julian Calendar 1 Feb. 448 BCE == Greg. Calendar 27 Jan. 448 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

MARCH 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 12 48	5♓13'35	21♌ 7	20°R22	6♈23	23♓44	27♐25	16♓52	5♐30	23♒22	3♑ 5	22°R 8	20♑44	26♉48	n.a.	T 1
W 2	10 16 45	6°12'34	4♍39	19♒56	7°35	24°28	27°34	16°59	5°31	23°24	3° 6	22♑ 3	20°41	26°55	n.a.	W 2
T 3	10 20 42	7°11'30	18°31	19°36	8°47	25°11	27°43	17° 7	5°31	23°26	3° 7	21°56	20°38	27° 1	n.a.	T 3
F 4	10 24 38	8°10'24	2♎38	19°22	10° 0	25°55	27°52	17°15	5°32	23°28	3° 8	21°48	20°34	27° 8	n.a.	F 4
S 5	10 28 35	9° 9'17	16°54	19°14	11°12	26°39	28° 1	17°22	5°32	23°31	3° 9	21°41	20°31	27°15	n.a.	S 5
S 6	10 32 31	10° 8'07	1♏16	19°D10	12°24	27°22	28° 9	17°30	5°33	23°33	3°10	21°35	20°28	27°21	n.a.	S 6
M 7	10 36 28	11° 6'56	15°38	19°13	13°36	28° 6	28°17	17°38	5°33	23°35	3°11	21°30	20°25	27°28	n.a.	M 7
T 8	10 40 24	12° 5'43	29°55	19°20	14°48	28°49	28°26	17°45	5°34	23°37	3°12	21°27	20°22	27°35	n.a.	T 8
W 9	10 44 21	13° 4'28	14♐ 5	19°33	16° 0	29°33	28°34	17°53	5°34	23°39	3°13	21°D27	20°19	27°41	n.a.	W 9
T 10	10 48 17	14° 3'11	28° 7	19°50	17°12	0♈16	28°42	18° 1	5°35	23°41	3°14	21°27	20°15	27°48	n.a.	T 10
F 11	10 52 14	15° 1'53	12♑ 0	20°13	18°24	0°59	28°49	18° 9	5°35	23°44	3°15	21°28	20°12	27°55	n.a.	F 11
S 12	10 56 11	16° 0'32	25°43	20°40	19°35	1°42	28°57	18°16	5°35	23°46	3°15	21°R29	20° 9	28° 1	n.a.	S 12
S 13	11 0 7	16°59'10	9♒16	21°11	20°47	2°26	29° 5	18°24	5°35	23°48	3°16	21°27	20° 6	28° 8	n.a.	S 13
M14	11 4 4	17°57'46	22°39	21°46	21°58	3° 9	29°12	18°32	5°35	23°50	3°17	21°23	20° 3	28°15	n.a.	M14
T 15	11 8 0	18°56'20	5♓51	22°25	23°10	3°52	29°19	18°40	5°36	23°52	3°18	21°17	19°59	28°22	n.a.	T 15
W16	11 11 57	19°54'52	18°50	23° 8	24°21	4°35	29°26	18°47	5°R36	23°54	3°18	21° 8	19°56	28°28	n.a.	W16
T 17	11 15 53	20°53'22	1♈37	23°55	25°33	5°18	29°33	18°55	5°35	23°56	3°19	20°58	19°53	28°35	n.a.	T 17
F 18	11 19 50	21°51'50	14° 9	24°45	26°44	6° 1	29°40	19° 3	5°35	23°58	3°20	20°47	19°50	28°42	n.a.	F 18
S 19	11 23 46	22°50'16	26°29	25°38	27°55	6°44	29°47	19°11	5°35	24° 0	3°20	20°36	19°47	28°48	n.a.	S 19
S 20	11 27 43	23°48'40	8♉37	26°34	29° 6	7°27	29°53	19°18	5°35	24° 2	3°21	20°26	19°44	28°55	n.a.	S 20
M21	11 31 39	24°47'01	20°34	27°33	0♉17	8°10	29°59	19°26	5°35	24° 4	3°21	20°19	19°40	29° 2	n.a.	M21
T 22	11 35 36	25°45'21	2♊26	28°36	1°28	8°52	0♑ 6	19°34	5°35	24° 6	3°22	20°14	19°37	29° 8	n.a.	T 22
W23	11 39 33	26°43'38	14°16	29°40	2°39	9°35	0°12	19°42	5°34	24° 8	3°22	20°11	19°34	29°15	n.a.	W23
T 24	11 43 29	27°41'54	26° 9	0♓48	3°50	10°18	0°18	19°49	5°34	24°10	3°23	20°D10	19°31	29°22	n.a.	T 24
F 25	11 47 26	28°40'07	8♋ 9	1°58	5° 0	11° 0	0°24	19°57	5°33	24°12	3°23	20°10	19°28	29°28	n.a.	F 25
S 26	11 51 22	29°38'18	20°23	3°10	6°11	11°43	0°29	20° 5	5°33	24°14	3°24	20°R11	19°25	29°35	n.a.	S 26
S 27	11 55 19	0♈36'27	2♌56	4°25	7°21	12°26	0°35	20°12	5°32	24°16	3°24	20°10	19°21	29°42	n.a.	S 27
M28	11 59 15	1°34'33	15°51	5°42	8°32	13° 8	0°40	20°20	5°32	24°18	3°25	20° 7	19°18	29°49	n.a.	M28
T 29	12 3 12	2°32'38	29°12	7° 1	9°42	13°50	0°45	20°28	5°31	24°20	3°25	20° 2	19°15	29°55	n.a.	T 29
W30	12 7 8	3°30'41	12♍59	8°22	10°52	14°33	0°50	20°35	5°31	24°22	3°25	19°55	19°12	0♊ 2	n.a.	W30
T 31	12 11 5	4♈28'41	27♍10	9♓46	12♉ 2	15♈15	0♑55	20♓43	5♐30	24♒24	3♑25	19♑45	19♑ 9	0♊ 9	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9s43	12n17	2s30	13s 4	1n55	2n30	0s 5	2s58	0s29	23s45	0s 2	7s19	2s15	21s30	0s 1	15s 2	1s11	28s 0	4s18	21s54	22s 8	23n44			n.a.
W 2	9 21	6 41	3 29	13 26	1 40	3 1	0 2	2 39	0 28	23 46	0 2	7 16	2 15	21 31	0 1	15 1	1 11	28 1	4 18	21 55	22 8	23 45			n.a.
T 3	8 59	0 40	4 17	13 47	1 25	3 33	0n 1	2 21	0 27	23 46	0 2	7 13	2 15	21 31	0 1	15 0	1 11	28 1	4 18	21 56	22 9	23 46			n.a.
F 4	8 37	5s29	4 51	14 6	1 9	4 5	0 5	2 3	0 27	23 46	0 2	7 10	2 15	21 31	0 1	14 59	1 11	28 1	4 18	21 58	22 9	23 48			n.a.
S 5	8 14	11 26	5 6	14 24	0 54	4 36	0 8	1 45	0 26	23 46	0 2	7 7	2 15	21 31	0 1	14 59	1 11	28 1	4 18	21 59	22 10	23 49			n.a.
S 6	7 52	16 47	5 3	14 39	0 39	5 8	0 11	1 27	0 26	23 47	0 2	7 4	2 15	21 31	0 1	14 58	1 11	28 1	4 19	22 0	22 10	23 50			n.a.
M 7	7 29	21 12	4 41	14 52	0 25	5 39	0 14	1 9	0 25	23 47	0 3	7 1	2 15	21 31	0 1	14 57	1 11	28 1	4 19	22 0	22 11	23 51			n.a.
T 8	7 7	24 19	4 1	15 3	0 10	6 10	0 17	0 51	0 24	23 47	0 3	6 58	2 15	21 31	0 1	14 57	1 11	28 2	4 19	22 1	22 11	23 52			n.a.
W 9	6 44	25 53	3 7	15 12	0s 4	6 41	0 20	0 33	0 24	23 47	0 3	6 55	2 15	21 31	0 1	14 56	1 11	28 2	4 19	22 1	22 12	23 53			n.a.
T 10	6 21	25 46	2 2	15 19	0 17	7 12	0 23	0 15	0 23	23 48	0 3	6 52	2 15	21 31	0 1	14 55	1 12	28 2	4 19	22 1	22 12	23 54			n.a.
F 11	5 58	24 3	0 51	15 24	0 30	7 43	0 27	0n 3	0 22	23 48	0 3	6 49	2 15	21 31	0 1	14 55	1 12	28 2	4 20	22 1	22 12	23 55			n.a.
S 12	5 35	20 54	0n23	15 27	0 42	8 13	0 30	0 21	0 22	23 48	0 3	6 46	2 15	21 32	0 1	14 54	1 12	28 2	4 20	22 1	22 13	23 56			n.a.
S 13	5 12	16 40	1 34	15 28	0 54	8 43	0 33	0 39	0 21	23 48	0 3	6 43	2 15	21 32	0 1	14 53	1 12	28 3	4 20	22 1	22 13	23 57			n.a.
M14	4 49	11 38	2 39	15 27	1 5	9 14	0 36	0 57	0 20	23 48	0 4	6 40	2 15	21 32	0 1	14 52	1 12	28 3	4 20	22 2	22 14	23 58			n.a.
T 15	4 26	6 10	3 34	15 24	1 15	9 44	0 39	1 15	0 20	23 49	0 4	6 37	2 15	21 32	0 1	14 52	1 12	28 3	4 20	22 3	22 14	23 59			n.a.
W16	4 3	0 32	4 17	15 19	1 25	10 13	0 43	1 33	0 19	23 49	0 4	6 33	2 15	21 32	0 1	14 51	1 12	28 3	4 21	22 4	22 15	24 0			n.a.
T 17	3 39	5n 1	4 47	15 12	1 34	10 43	0 46	1 51	0 19	23 49	0 4	6 30	2 15	21 32	0 1	14 50	1 12	28 3	4 21	22 6	22 15	24 1			n.a.
F 18	3 16	10 16	5 2	15 3	1 43	11 12	0 49	2 9	0 18	23 49	0 4	6 27	2 15	21 32	0 1	14 50	1 12	28 3	4 21	22 7	22 16	24 2			n.a.
S 19	2 53	15 1	5 2	14 53	1 51	11 41	0 52	2 27	0 17	23 49	0 4	6 24	2 15	21 32	0 1	14 49	1 12	28 4	4 21	22 9	22 16	24 3			n.a.
S 20	2 29	19 6	4 49	14 40	1 58	12 10	0 56	2 44	0 17	23 49	0 4	6 21	2 15	21 32	0 1	14 48	1 12	28 4	4 21	22 10	22 17	24 4			n.a.
M21	2 6	22 20	4 23	14 26	2 5	12 38	0 59	3 2	0 16	23 50	0 5	6 18	2 15	21 32	0 1	14 48	1 12	28 4	4 22	22 12	22 17	24 5			n.a.
T 22	1 42	24 36	3 46	14 10	2 11	13 6	1 2	3 20	0 15	23 50	0 5	6 15	2 15	21 32	0 1	14 47	1 12	28 4	4 22	22 12	22 18	24 6			n.a.
W23	1 19	25 46	2 59	13 52	2 17	13 34	1 5	3 37	0 15	23 50	0 5	6 12	2 15	21 31	0 1	14 46	1 12	28 4	4 22	22 13	22 18	24 7			n.a.
T 24	0 56	25 46	2 4	13 32	2 22	14 1	1 8	3 55	0 14	23 50	0 5	6 9	2 15	21 31	0 1	14 46	1 12	28 5	4 22	22 13	22 19	24 8			n.a.
F 25	0 32	24 33	1 4	13 11	2 26	14 29	1 11	4 12	0 14	23 50	0 5	6 6	2 15	21 31	0 1	14 45	1 12	28 5	4 22	22 13	22 19	24 9			n.a.
S 26	0 9	22 10	0s 1	12 48	2 30	14 55	1 15	4 30	0 13	23 50	0 5	6 3	2 15	21 31	0 1	14 45	1 12	28 5	4 23	22 13	22 20	24 10			n.a.
S 27	0n15	18 40	1 7	12 23	2 33	15 22	1 18	4 47	0 12	23 50	0 5	6 0	2 16	21 31	0 1	14 44	1 12	28 5	4 23	22 13	22 20	24 11			n.a.
M28	0 38	14 12	2 12	11 57	2 36	15 48	1 21	5 4	0 12	23 50	0 6	5 57	2 16	21 31	0 1	14 43	1 12	28 5	4 23	22 13	22 20	24 12			n.a.
T 29	1 1	8 55	3 11	11 29	2 38	16 14	1 24	5 22	0 11	23 51	0 6	5 54	2 16	21 31	0 1	14 43	1 12	28 6	4 23	22 14	22 21	24 13			n.a.
W30	1 25	3 3	4 2	10 59	2 39	16 39	1 27	5 39	0 10	23 51	0 6	5 51	2 16	21 31	0 1	14 42	1 12	28 6	4 23	22 15	22 21	24 13			n.a.
T 31	1n48	3s 6	4s38	10s28	2s40	17n 4	1n30	5n56	0s10	23s51	0s 6	5s48	2s16	21s31	0s 1	14s42	1s12	28s 6	4s24	22s16	22s22	24n14			n.a.

Julian Day Number = 1557850.5, Delta T = 04h26m17s
Ecliptic obliquity = 23°45'02, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'26, Lahiri = -10°08'26 Julian Calendar 1 March 448 BCE == Greg. Calendar 24 Feb. 448 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

APRIL 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 15 1	5♈26'40	11♎41	11♓12	13♉12	15♈57	0♑59	20♓50	5°R29	24♒26	3♑26	19°R34	19♑ 5	0♊15	n.a.	F 1
S 2	12 18 58	6°24'38	26°24	12°39	14°22	16°40	1° 4	20°58	5♐28	24°27	3°26	19♑24	19° 2	0°22	n.a.	S 2
S 3	12 22 55	7°22'34	11♏12	14° 9	15°32	17°22	1° 8	21° 6	5°27	24°29	3°26	19°14	18°59	0°29	n.a.	S 3
M 4	12 26 51	8°20'28	25°57	15°41	16°41	18° 4	1°12	21°13	5°26	24°31	3°26	19° 7	18°56	0°35	n.a.	M 4
T 5	12 30 48	9°18'21	10♐31	17°15	17°51	18°46	1°16	21°21	5°25	24°33	3°27	19° 2	18°53	0°42	n.a.	T 5
W 6	12 34 44	10°16'12	24°51	18°51	19° 0	19°28	1°19	21°28	5°24	24°34	3°27	19° 0	18°50	0°49	n.a.	W 6
T 7	12 38 41	11°14'03	8♑54	20°29	20° 9	20°10	1°23	21°36	5°23	24°36	3°27	18°59	18°46	0°55	n.a.	T 7
F 8	12 42 37	12°11'52	22°40	22° 9	21°19	20°52	1°26	21°43	5°22	24°38	3°27	18°59	18°43	1° 2	n.a.	F 8
S 9	12 46 34	13° 9'40	6♒10	23°50	22°28	21°34	1°30	21°51	5°21	24°39	3°27	18°58	18°40	1° 9	n.a.	S 9
S 10	12 50 30	14° 7'26	19°25	25°34	23°37	22°16	1°33	21°58	5°20	24°41	3°R27	18°56	18°37	1°16	n.a.	S 10
M11	12 54 27	15° 5'11	2♓28	27°20	24°45	22°58	1°35	22° 5	5°19	24°43	3°27	18°51	18°34	1°22	n.a.	M11
T 12	12 58 24	16° 2'55	15°19	29° 8	25°54	23°39	1°38	22°13	5°17	24°44	3°27	18°43	18°30	1°29	n.a.	T 12
W13	13 2 20	17° 0'37	27°59	0♈58	27° 3	24°21	1°40	22°20	5°16	24°46	3°27	18°32	18°27	1°36	n.a.	W13
T 14	13 6 17	17°58'18	10♈29	2°49	28°11	25° 3	1°43	22°27	5°15	24°47	3°27	18°19	18°24	1°42	n.a.	T 14
F 15	13 10 13	18°55'58	22°48	4°43	29°20	25°44	1°45	22°34	5°13	24°49	3°26	18° 5	18°21	1°49	n.a.	F 15
S 16	13 14 10	19°53'36	4♉58	6°39	0♊28	26°26	1°47	22°42	5°12	24°50	3°26	17°52	18°18	1°56	n.a.	S 16
S 17	13 18 6	20°51'13	16°58	8°36	1°36	27° 8	1°48	22°49	5°11	24°52	3°26	17°40	18°15	2° 2	n.a.	S 17
M18	13 22 3	21°48'48	28°52	10°36	2°44	27°49	1°50	22°56	5° 9	24°53	3°26	17°30	18°11	2° 9	n.a.	M18
T 19	13 25 59	22°46'22	10♊42	12°37	3°52	28°31	1°51	23° 3	5° 7	24°55	3°26	17°23	18° 8	2°16	n.a.	T 19
W20	13 29 56	23°43'55	22°30	14°40	4°59	29°12	1°52	23°10	5° 6	24°56	3°25	17°19	18° 5	2°22	n.a.	W20
T 21	13 33 53	24°41'26	4♋21	16°45	6° 7	29°53	1°53	23°17	5° 4	24°58	3°25	17°17	18° 2	2°29	n.a.	T 21
F 22	13 37 49	25°38'55	16°20	18°51	7°14	0♉35	1°54	23°24	5° 3	24°59	3°25	17°D16	17°59	2°36	n.a.	F 22
S 23	13 41 46	26°36'23	28°32	20°59	8°21	1°16	1°55	23°31	5° 1	25° 0	3°24	17°R16	17°56	2°42	n.a.	S 23
S 24	13 45 42	27°33'50	11♌ 3	23° 8	9°28	1°57	1°55	23°38	4°59	25° 1	3°24	17°16	17°52	2°49	n.a.	S 24
M25	13 49 39	28°31'15	23°57	25°18	10°35	2°38	1°55	23°45	4°57	25° 3	3°24	17°13	17°49	2°56	n.a.	M25
T 26	13 53 35	29°28'39	7♍18	27°29	11°42	3°20	1°R55	23°52	4°56	25° 4	3°23	17° 9	17°46	3° 2	n.a.	T 26
W27	13 57 32	0♉26'01	21° 8	29°40	12°48	4° 1	1°55	23°59	4°54	25° 5	3°23	17° 2	17°43	3° 9	n.a.	W27
T 28	14 1 28	1°23'22	5♎27	1♉51	13°55	4°42	1°55	24° 5	4°52	25° 6	3°22	16°53	17°40	3°16	n.a.	T 28
F 29	14 5 25	2°20'42	20°10	4° 3	15° 1	5°23	1°54	24°12	4°50	25° 7	3°22	16°43	17°36	3°23	n.a.	F 29
S 30	14 9 22	3♉18'01	5♏10	6♉15	16♊ 7	6♉ 4	1♑53	24♓19	4♐48	25♒ 9	3♑21	16♑33	17♑33	3♊29	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n11	9s14	4s58	9s55	2s40	17n28	1n33	6n13	0s 9	23s51	0s 6	5s45	2s16	21s31	0s 1	14s41	1s12	28s 6	4s24	22s18	22s22	24n15		n.a.
S 2	2 35	14 57	4 59	9 21	2 40	17 53	1 36	6 30	0 9	23 51	0 6	5 42	2 16	21 30	0 1	14 40	1 12	28 6	4 24	22 20	22 23	24 16		n.a.
S 3	2 58	19 48	4 40	8 45	2 39	18 16	1 38	6 47	0 8	23 51	0 6	5 39	2 16	21 30	0 1	14 40	1 12	28 7	4 24	22 21	22 23	24 17		n.a.
M 4	3 21	23 24	4 2	8 7	2 37	18 39	1 41	7 4	0 7	23 51	0 7	5 36	2 16	21 30	0 1	14 39	1 12	28 7	4 25	22 22	22 24	24 18		n.a.
T 5	3 44	25 25	3 8	7 28	2 35	19 2	1 44	7 21	0 7	23 51	0 7	5 33	2 16	21 30	0 1	14 39	1 12	28 7	4 25	22 23	22 24	24 19		n.a.
W 6	4 7	25 43	2 4	6 48	2 32	19 24	1 47	7 37	0 6	23 52	0 7	5 30	2 16	21 30	0 1	14 38	1 12	28 7	4 25	22 23	22 25	24 20		n.a.
T 7	4 30	24 20	0 53	6 6	2 29	19 46	1 50	7 54	0 5	23 52	0 7	5 27	2 16	21 30	0 1	14 38	1 12	28 7	4 25	22 23	22 25	24 21		n.a.
F 8	4 53	21 30	0n19	5 22	2 25	20 7	1 52	8 10	0 5	23 52	0 7	5 25	2 16	21 29	0 1	14 37	1 12	28 8	4 25	22 23	22 25	24 21		n.a.
S 9	5 16	17 32	1 30	4 38	2 21	20 28	1 55	8 27	0 4	23 52	0 7	5 22	2 16	21 29	0 1	14 36	1 12	28 8	4 26	22 23	22 26	24 22		n.a.
S 10	5 38	12 46	2 33	3 51	2 16	20 49	1 57	8 43	0 4	23 52	0 8	5 19	2 17	21 29	0 1	14 36	1 12	28 8	4 26	22 24	22 26	24 23		n.a.
M11	6 1	7 30	3 28	3 4	2 10	21 8	2 0	9 0	0 3	23 52	0 8	5 16	2 17	21 29	0 1	14 35	1 13	28 8	4 26	22 24	22 27	24 24		n.a.
T 12	6 24	2 0	4 11	2 15	2 4	21 28	2 2	9 16	0 2	23 52	0 8	5 13	2 17	21 29	0 1	14 35	1 13	28 8	4 26	22 25	22 27	24 25		n.a.
W13	6 46	3n29	4 41	1 25	1 58	21 46	2 5	9 32	0 2	23 52	0 8	5 10	2 17	21 28	0 1	14 34	1 13	28 9	4 26	22 27	22 28	24 26		n.a.
T 14	7 8	8 44	4 57	0 33	1 51	22 4	2 7	9 48	0 1	23 53	0 8	5 7	2 17	21 28	0 1	14 34	1 13	28 9	4 27	22 29	22 28	24 26		n.a.
F 15	7 31	13 35	4 59	0n19	1 43	22 22	2 9	10 4	0 0	23 53	0 8	5 5	2 17	21 28	0 1	14 34	1 13	28 9	4 27	22 31	22 28	24 27		n.a.
S 16	7 53	17 50	4 47	1 13	1 35	22 39	2 11	10 20	0n 0	23 53	0 9	5 2	2 17	21 28	0 1	14 33	1 13	28 9	4 27	22 32	22 29	24 28		n.a.
S 17	8 15	21 18	4 22	2 8	1 27	22 55	2 13	10 36	0 1	23 53	0 9	4 59	2 17	21 27	0 1	14 33	1 13	28 9	4 27	22 34	22 29	24 29		n.a.
M18	8 36	23 50	3 46	3 3	1 18	23 11	2 15	10 51	0 1	23 53	0 9	4 56	2 17	21 27	0 1	14 32	1 13	28 10	4 27	22 35	22 30	24 30		n.a.
T 19	8 58	25 19	3 1	4 0	1 9	23 27	2 17	11 7	0 2	23 53	0 9	4 54	2 18	21 27	0 1	14 32	1 13	28 10	4 28	22 36	22 30	24 30		n.a.
W20	9 20	25 39	2 7	4 57	0 59	23 41	2 19	11 22	0 3	23 53	0 9	4 51	2 18	21 27	0 1	14 31	1 13	28 10	4 28	22 37	22 31	24 31		n.a.
T 21	9 41	24 49	1 8	5 54	0 50	23 55	2 21	11 38	0 3	23 54	0 9	4 48	2 18	21 26	0 1	14 31	1 13	28 10	4 28	22 37	22 31	24 32		n.a.
F 22	10 2	22 49	0 5	6 52	0 39	24 9	2 23	11 53	0 4	23 54	0 10	4 46	2 18	21 26	0 1	14 30	1 13	28 10	4 28	22 37	22 32	24 33		n.a.
S 23	10 24	19 45	0s59	7 51	0 29	24 22	2 24	12 8	0 4	23 54	0 10	4 43	2 18	21 26	0 1	14 30	1 13	28 11	4 28	22 37	22 32	24 33		n.a.
S 24	10 44	15 43	2 3	8 49	0 19	24 34	2 26	12 23	0 5	23 54	0 10	4 40	2 18	21 25	0 1	14 30	1 13	28 11	4 29	22 37	22 32	24 34		n.a.
M25	11 5	10 52	3 1	9 47	0 8	24 45	2 27	12 38	0 6	23 54	0 10	4 38	2 18	21 25	0 1	14 29	1 13	28 11	4 29	22 37	22 33	24 35		n.a.
T 26	11 26	5 21	3 52	10 45	0n 3	24 56	2 29	12 53	0 6	23 54	0 10	4 35	2 19	21 25	0 1	14 29	1 13	28 11	4 29	22 38	22 33	24 36		n.a.
W27	11 46	0s36	4 32	11 42	0 13	25 6	2 30	13 7	0 7	23 55	0 10	4 32	2 19	21 24	0 1	14 29	1 13	28 11	4 29	22 39	22 34	24 36		n.a.
T 28	12 7	6 42	4 56	12 38	0 24	25 16	2 31	13 22	0 7	23 55	0 11	4 30	2 19	21 24	0 1	14 28	1 13	28 12	4 29	22 40	22 34	24 37		n.a.
F 29	12 27	12 37	5 1	13 34	0 34	25 25	2 32	13 37	0 8	23 55	0 11	4 27	2 19	21 24	0 1	14 28	1 13	28 12	4 30	22 41	22 34	24 38		n.a.
S 30	12n46	17s53	4s46	14n28	0n44	25n33	2n33	13n51	0n 9	23s55	0s11	4s25	2s19	21s23	0s 1	14s27	1s13	28s12	4s30	22s43	22s35	24n38		n.a.

Julian Day Number = 1557881.5, Delta T = 04h26m15s
Ecliptic obliquity = 23°45'02, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'22, Lahiri = -10°08'22 Julian Calendar 1 Apr. 448 BCE == Greg. Calendar 27 March 448 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

MAY 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 13 18	4♉15'19	20♏17	8♉26	17♊13	6♉45	1°R52	24♓25	4°R46	25♒10	3°R21	16°R23	17♐30	3♊36	n.a.	S 1
M 2	14 17 15	5°12'37	5♐23	10°36	18°18	7°25	1♐51	24°32	4♐44	25°11	3♐20	16♐16	17°27	3°43	n.a.	M 2
T 3	14 21 11	6° 9'53	20°16	12°45	19°24	8° 6	1°50	24°38	4°42	25°12	3°20	16°12	17°24	3°49	n.a.	T 3
W 4	14 25 8	7° 7'09	4♐51	14°53	20°29	8°47	1°49	24°45	4°40	25°13	3°19	16° 9	17°21	3°56	n.a.	W 4
T 5	14 29 4	8° 4'25	19° 5	16°59	21°34	9°28	1°47	24°51	4°38	25°14	3°18	16°D 9	17°17	4° 3	n.a.	T 5
F 6	14 33 1	9° 1'40	2♒55	19° 4	22°39	10° 9	1°45	24°57	4°36	25°15	3°18	16°R 9	17°14	4° 9	n.a.	F 6
S 7	14 36 57	9°58'54	16°24	21° 7	23°43	10°49	1°43	25° 4	4°34	25°15	3°17	16° 9	17°11	4°16	n.a.	S 7
S 8	14 40 54	10°56'08	29°32	23° 9	24°48	11°30	1°41	25°10	4°32	25°16	3°16	16° 8	17° 8	4°23	n.a.	S 8
M 9	14 44 51	11°53'21	12♓24	25° 8	25°52	12°10	1°38	25°16	4°29	25°17	3°16	16° 4	17° 5	4°29	n.a.	M 9
T 10	14 48 47	12°50'34	25° 1	27° 5	26°56	12°51	1°36	25°22	4°27	25°18	3°15	15°58	17° 2	4°36	n.a.	T 10
W11	14 52 44	13°47'47	7♈27	28°59	27°59	13°32	1°33	25°28	4°25	25°19	3°14	15°49	16°58	4°43	n.a.	W11
T 12	14 56 40	14°44'59	19°42	0♊52	29° 3	14°12	1°30	25°34	4°23	25°20	3°13	15°39	16°55	4°49	n.a.	T 12
F 13	15 0 37	15°42'10	1♉49	2°42	0♋ 6	14°53	1°27	25°40	4°21	25°20	3°12	15°28	16°52	4°56	n.a.	F 13
S 14	15 4 33	16°39'21	13°48	4°30	1° 9	15°33	1°23	25°46	4°18	25°21	3°12	15°17	16°49	5° 3	n.a.	S 14
S 15	15 8 30	17°36'32	25°43	6°15	2°12	16°13	1°20	25°52	4°16	25°22	3°11	15° 7	16°46	5° 9	n.a.	S 15
M16	15 12 26	18°33'42	7♊33	7°58	3°14	16°54	1°16	25°58	4°14	25°22	3°10	14°59	16°42	5°16	n.a.	M16
T 17	15 16 23	19°30'52	19°21	9°38	4°16	17°34	1°12	26° 3	4°11	25°23	3° 9	14°54	16°39	5°23	n.a.	T 17
W18	15 20 20	20°28'01	1♋ 9	11°17	5°18	18°14	1° 8	26° 9	4° 9	25°23	3° 8	14°51	16°36	5°30	n.a.	W18
T 19	15 24 16	21°25'10	13° 2	12°52	6°20	18°54	1° 4	26°14	4° 7	25°24	3° 7	14°D50	16°33	5°36	n.a.	T 19
F 20	15 28 13	22°22'18	25° 2	14°25	7°21	19°35	1° 0	26°20	4° 4	25°24	3° 6	14°50	16°30	5°43	n.a.	F 20
S 21	15 32 9	23°19'25	7♌14	15°56	8°22	20°15	0°55	26°25	4° 2	25°25	3° 5	14°51	16°27	5°50	n.a.	S 21
S 22	15 36 6	24°16'32	19°43	17°24	9°22	20°55	0°50	26°31	4° 0	25°25	3° 4	14°R52	16°23	5°56	n.a.	S 22
M23	15 40 2	25°13'39	2♍34	18°50	10°23	21°35	0°46	26°36	3°57	25°26	3° 3	14°52	16°20	6° 3	n.a.	M23
T 24	15 43 59	26°10'44	15°51	20°13	11°23	22°15	0°41	26°41	3°55	25°26	3° 2	14°50	16°17	6°10	n.a.	T 24
W25	15 47 56	27° 7'50	29°37	21°34	12°22	22°55	0°35	26°46	3°52	25°26	3° 1	14°46	16°14	6°16	n.a.	W25
T 26	15 51 52	28° 4'55	13♎51	22°52	13°21	23°35	0°30	26°51	3°50	25°27	3° 0	14°41	16°11	6°23	n.a.	T 26
F 27	15 55 49	29° 1'59	28°32	24° 7	14°20	24°15	0°25	26°56	3°48	25°27	2°59	14°35	16° 7	6°30	n.a.	F 27
S 28	15 59 45	29°59'04	13♏33	25°19	15°19	24°55	0°19	27° 1	3°45	25°27	2°58	14°28	16° 4	6°36	n.a.	S 28
S 29	16 3 42	0♊56'08	28°47	26°29	16°17	25°34	0°13	27° 6	3°43	25°27	2°56	14°22	16° 1	6°43	n.a.	S 29
M30	16 7 38	1°53'12	14♐ 2	27°36	17°14	26°14	0° 8	27°11	3°40	25°28	2°55	14°18	15°58	6°50	n.a.	M30
T 31	16 11 35	2♊50'17	29♐ 9	28♊40	18♋11	26♉54	0♐ 2	27♓15	3♐38	25♒28	2♐54	14♐15	15♐55	6♊56	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n 6	22s 4	4s11	15n20	0n53	25n41	2n34	14n 5	0n 9	23s55	0s11	4s22	2s19	21s23	0s 1	14s27	1s13	28s12	4s30	22s44	22s35	24n39		n.a.
M 2	13 26	24 44	3 18	16 11	1 3	25 48	2 35	14 19	0 10	23 55	0 11	4 20	2 20	21 23	0 1	14 27	1 13	28 13	4 30	22 45	22 36	24 40		n.a.
T 3	13 45	25 36	2 13	17 0	1 11	25 54	2 35	14 33	0 10	23 56	0 11	4 17	2 20	21 22	0 1	14 27	1 14	28 13	4 30	22 45	22 36	24 40		n.a.
W 4	14 4	24 39	1 0	17 47	1 20	26 0	2 36	14 47	0 11	23 56	0 12	4 15	2 20	21 22	0 1	14 26	1 14	28 13	4 31	22 45	22 37	24 41		n.a.
T 5	14 23	22 7	0n16	18 31	1 27	26 5	2 36	15 1	0 11	23 56	0 12	4 13	2 20	21 22	0 1	14 26	1 14	28 13	4 31	22 46	22 37	24 42		n.a.
F 6	14 41	18 20	1 28	19 14	1 35	26 9	2 37	15 14	0 12	23 56	0 12	4 10	2 20	21 21	0 1	14 26	1 14	28 13	4 31	22 45	22 37	24 42		n.a.
S 7	15 0	13 41	2 34	19 54	1 41	26 13	2 37	15 28	0 13	23 57	0 12	4 8	2 20	21 21	0 1	14 25	1 14	28 14	4 31	22 45	22 38	24 43		n.a.
S 8	15 18	8 31	3 29	20 31	1 47	26 16	2 37	15 41	0 13	23 57	0 12	4 5	2 21	21 21	0 1	14 25	1 14	28 14	4 31	22 46	22 38	24 44		n.a.
M 9	15 36	3 6	4 13	21 6	1 52	26 18	2 37	15 54	0 14	23 57	0 13	4 3	2 21	21 20	0 1	14 25	1 14	28 14	4 31	22 46	22 39	24 44		n.a.
T 10	15 54	2n20	4 44	21 39	1 56	26 20	2 37	16 8	0 14	23 57	0 13	4 1	2 21	21 20	0 1	14 25	1 14	28 14	4 32	22 47	22 39	24 45		n.a.
W11	16 11	7 35	5 0	22 9	2 0	26 21	2 37	16 20	0 15	23 57	0 13	3 59	2 21	21 19	0 1	14 24	1 14	28 14	4 32	22 48	22 39	24 46		n.a.
T 12	16 28	12 28	5 3	22 36	2 3	26 21	2 36	16 33	0 16	23 58	0 13	3 56	2 21	21 19	0 1	14 24	1 14	28 15	4 32	22 49	22 40	24 46		n.a.
F 13	16 45	16 48	4 52	23 1	2 6	26 21	2 36	16 46	0 16	23 58	0 13	3 54	2 22	21 19	0 1	14 24	1 14	28 15	4 32	22 50	22 40	24 47		n.a.
S 14	17 2	20 26	4 27	23 24	2 7	26 20	2 35	16 58	0 17	23 58	0 13	3 52	2 22	21 18	0 1	14 24	1 14	28 15	4 32	22 52	22 41	24 47		n.a.
S 15	17 18	23 11	3 52	23 44	2 8	26 18	2 34	17 11	0 17	23 58	0 14	3 50	2 22	21 18	0 1	14 24	1 14	28 15	4 33	22 53	22 41	24 48		n.a.
M16	17 34	24 55	3 6	24 2	2 8	26 16	2 33	17 23	0 18	23 58	0 14	3 48	2 22	21 17	0 1	14 24	1 14	28 15	4 33	22 54	22 41	24 49		n.a.
T 17	17 50	25 31	2 12	24 17	2 8	26 13	2 32	17 35	0 18	23 59	0 14	3 46	2 22	21 17	0 1	14 23	1 14	28 16	4 33	22 54	22 42	24 49		n.a.
W18	18 6	24 58	1 13	24 30	2 6	26 9	2 31	17 47	0 19	23 59	0 14	3 44	2 23	21 16	0 1	14 23	1 14	28 16	4 33	22 55	22 42	24 50		n.a.
T 19	18 21	23 16	0 10	24 42	2 4	26 5	2 30	17 59	0 20	23 59	0 14	3 41	2 23	21 16	0 1	14 23	1 14	28 16	4 33	22 55	22 43	24 50		n.a.
F 20	18 36	20 30	0s55	24 51	2 2	26 0	2 28	18 11	0 20	23 59	0 15	3 39	2 23	21 16	0 1	14 23	1 14	28 16	4 33	22 55	22 43	24 51		n.a.
S 21	18 51	16 48	1 58	24 58	1 59	25 55	2 26	18 22	0 21	24 0	0 15	3 38	2 23	21 15	0 1	14 23	1 14	28 16	4 34	22 55	22 43	24 51		n.a.
S 22	19 5	12 18	2 57	25 3	1 55	25 49	2 25	18 33	0 21	24 0	0 15	3 36	2 23	21 15	0 1	14 23	1 14	28 17	4 34	22 55	22 44	24 52		n.a.
M23	19 19	7 8	3 49	25 6	1 50	25 42	2 23	18 45	0 22	24 0	0 15	3 34	2 24	21 14	0 1	14 23	1 15	28 17	4 34	22 55	22 44	24 53		n.a.
T 24	19 33	1 30	4 30	25 8	1 45	25 35	2 21	18 56	0 22	24 0	0 15	3 32	2 24	21 14	0 1	14 23	1 15	28 17	4 34	22 55	22 45	24 53		n.a.
W25	19 46	4s23	4 58	25 7	1 39	25 28	2 18	19 7	0 23	24 0	0 15	3 30	2 24	21 13	0 1	14 23	1 15	28 17	4 34	22 55	22 45	24 54		n.a.
T 26	19 59	10 15	5 8	25 6	1 33	25 19	2 16	19 17	0 23	24 1	0 16	3 28	2 24	21 13	0 1	14 22	1 15	28 17	4 34	22 56	22 45	24 54		n.a.
F 27	20 12	15 44	4 59	25 2	1 25	25 10	2 13	19 28	0 24	24 1	0 16	3 26	2 25	21 12	0 1	14 22	1 15	28 17	4 35	22 56	22 46	24 55		n.a.
S 28	20 25	20 24	4 30	24 58	1 18	25 1	2 10	19 38	0 25	24 1	0 16	3 25	2 25	21 12	0 1	14 22	1 15	28 18	4 35	22 57	22 46	24 55		n.a.
S 29	20 37	23 44	3 41	24 52	1 10	24 51	2 8	19 49	0 25	24 1	0 16	3 23	2 25	21 11	0 1	14 22	1 15	28 18	4 35	22 58	22 46	24 56		n.a.
M30	20 48	25 22	2 36	24 44	1 1	24 41	2 4	19 59	0 26	24 1	0 16	3 21	2 25	21 11	0 1	14 22	1 15	28 18	4 35	22 58	22 47	24 56		n.a.
T 31	21n 0	25s 6	1s21	24n36	0n51	24n30	2n 1	20n 9	0n26	24s 2	0s17	3s19	2s25	21s11	0s 1	14s22	1s15	28s18	4s35	22s59	22s47	24n57		n.a.

Julian Day Number = 1557911.5, Delta T = 04h26m14s
Ecliptic obliquity = 23°45'01, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'18, Lahiri = -10°08'18 Julian Calendar 1 May 448 BCE == Greg. Calendar 26 Apr. 448 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

JUNE 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 15 31	3♊47'22	13♉58	29♊41	19♋ 8	27♉34	29°R56	27♓20	3°R36	25♒28	2°R53	14°D14	15♉52	7♊ 3	n.a.	W 1
T 2	16 19 28	4°44'27	28°24	0♋38	20° 4	28°13	29♐49	27°24	3♐33	25°28	2♉52	14♉15	15°48	7°10	n.a.	T 2
F 3	16 23 25	5°41'32	12♒25	1°33	21° 0	28°53	29°43	27°29	3°31	25°28	2°51	14°16	15°45	7°16	n.a.	F 3
S 4	16 27 21	6°38'38	26° 0	2°24	21°55	29°33	29°36	27°33	3°28	25°R28	2°49	14°17	15°42	7°23	n.a.	S 4
S 5	16 31 18	7°35'44	9♓10	3°12	22°50	0♊12	29°30	27°38	3°26	25°28	2°48	14°R18	15°39	7°30	n.a.	S 5
M 6	16 35 14	8°32'51	22° 0	3°56	23°44	0°52	29°23	27°42	3°23	25°28	2°47	14°17	15°36	7°36	n.a.	M 6
T 7	16 39 11	9°29'58	4♈31	4°36	24°38	1°31	29°16	27°46	3°21	25°28	2°46	14°15	15°33	7°43	n.a.	T 7
W 8	16 43 7	10°27'05	16°49	5°13	25°31	2°11	29°10	27°50	3°19	25°28	2°44	14°11	15°29	7°50	n.a.	W 8
T 9	16 47 4	11°24'14	28°55	5°45	26°23	2°50	29° 3	27°54	3°16	25°27	2°43	14° 6	15°26	7°56	n.a.	T 9
F 10	16 51 1	12°21'23	10♉53	6°14	27°15	3°30	28°55	27°58	3°14	25°27	2°42	14° 0	15°23	8° 3	n.a.	F 10
S 11	16 54 57	13°18'32	22°46	6°38	28° 7	4° 9	28°48	28° 1	3°11	25°27	2°41	13°55	15°20	8°10	n.a.	S 11
S 12	16 58 54	14°15'42	4♊36	6°58	28°57	4°49	28°41	28° 5	3° 9	25°27	2°39	13°50	15°17	8°16	n.a.	S 12
M13	17 2 50	15°12'53	16°25	7°13	29°47	5°28	28°34	28° 9	3° 7	25°27	2°38	13°46	15°13	8°23	n.a.	M13
T 14	17 6 47	16°10'04	28°14	7°23	0♌37	6° 7	28°26	28°12	3° 4	25°26	2°37	13°44	15°10	8°30	n.a.	T 14
W15	17 10 43	17° 7'15	10♋ 7	7°29	1°25	6°46	28°19	28°15	3° 2	25°26	2°35	13°D43	15° 7	8°36	n.a.	W15
T 16	17 14 40	18° 4'27	22° 5	7°R30	2°13	7°26	28°11	28°19	3° 0	25°26	2°34	13°43	15° 4	8°43	n.a.	T 16
F 17	17 18 36	19° 1'39	4♌12	7°26	3° 0	8° 5	28° 4	28°22	2°57	25°25	2°33	13°44	15° 1	8°50	n.a.	F 17
S 18	17 22 33	19°58'52	16°30	7°17	3°46	8°44	27°56	28°25	2°55	25°25	2°31	13°46	14°58	8°56	n.a.	S 18
S 19	17 26 30	20°56'05	29° 3	7° 4	4°32	9°23	27°49	28°28	2°53	25°24	2°30	13°47	14°54	9° 3	n.a.	S 19
M20	17 30 26	21°53'19	11♍55	6°45	5°16	10° 2	27°41	28°31	2°50	25°24	2°29	13°48	14°51	9°10	n.a.	M20
T 21	17 34 23	22°50'33	25° 9	6°22	6° 0	10°41	27°33	28°34	2°48	25°23	2°27	13°R48	14°48	9°16	n.a.	T 21
W22	17 38 19	23°47'47	8♎47	5°54	6°43	11°21	27°26	28°36	2°46	25°23	2°26	13°48	14°45	9°23	n.a.	W22
T 23	17 42 16	24°45'02	22°51	5°23	7°24	12° 0	27°18	28°39	2°44	25°22	2°24	13°46	14°42	9°30	n.a.	T 23
F 24	17 46 12	25°42'18	7♏20	4°48	8° 5	12°39	27°10	28°42	2°42	25°21	2°23	13°44	14°39	9°37	n.a.	F 24
S 25	17 50 9	26°39'34	22° 9	4° 9	8°45	13°18	27° 2	28°44	2°39	25°21	2°22	13°42	14°35	9°43	n.a.	S 25
S 26	17 54 5	27°36'51	7♐13	3°28	9°23	13°56	26°55	28°46	2°37	25°20	2°20	13°40	14°32	9°50	n.a.	S 26
M27	17 58 2	28°34'09	22°23	2°45	10° 0	14°35	26°47	28°49	2°35	25°19	2°19	13°39	14°29	9°57	n.a.	M27
T 28	18 1 59	29°31'28	7♑29	2° 1	10°36	15°14	26°39	28°51	2°33	25°19	2°18	13°D38	14°26	10° 3	n.a.	T 28
W29	18 5 55	0♋28'47	22°23	1°16	11°11	15°53	26°31	28°53	2°31	25°18	2°16	13°38	14°23	10°10	n.a.	W29
T 30	18 9 52	1♋26'08	6♒57	0♋32	11♌45	16♊32	26♐24	28♓55	2♐29	25♒17	2♑15	13♑39	14♑19	10♊17	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n11	23s 2	0s 1	24n26	0n41	24n18	1n58	20n18	0n27	24s 2	0s17	3s18	2s26	21s10	0s 1	14s22	1s15	28s18	4s35	22s59	22s48	24n57		n.a.
T 2	21 22	19 30	1n16	24 16	0 31	24 7	1 54	20 28	0 27	24 2	0 17	3 16	2 26	21 10	0 2	14 22	1 15	28 19	4 35	22 59	22 48	24 58		n.a.
F 3	21 32	14 57	2 27	24 4	0 20	23 54	1 50	20 37	0 28	24 2	0 17	3 15	2 26	21 9	0 2	14 22	1 15	28 19	4 36	22 58	22 48	24 58		n.a.
S 4	21 42	9 46	3 28	23 52	0 8	23 41	1 46	20 47	0 28	24 2	0 17	3 13	2 26	21 9	0 2	14 22	1 15	28 19	4 36	22 58	22 49	24 58		n.a.
S 5	21 52	4 18	4 15	23 39	0s 4	23 28	1 42	20 56	0 29	24 2	0 18	3 12	2 27	21 8	0 2	14 23	1 15	28 19	4 36	22 58	22 49	24 59		n.a.
M 6	22 1	1n12	4 49	23 26	0 16	23 14	1 38	21 5	0 30	24 3	0 18	3 10	2 27	21 8	0 2	14 23	1 15	28 19	4 36	22 58	22 50	24 59		n.a.
T 7	22 10	6 30	5 7	23 11	0 29	23 0	1 33	21 13	0 30	24 3	0 18	3 9	2 27	21 7	0 2	14 23	1 15	28 19	4 36	22 59	22 50	25 0		n.a.
W 8	22 18	11 28	5 11	22 57	0 42	22 46	1 29	21 22	0 31	24 3	0 18	3 7	2 28	21 7	0 2	14 23	1 15	28 20	4 36	22 59	22 50	25 0		n.a.
T 9	22 26	15 55	5 1	22 42	0 56	22 31	1 24	21 30	0 31	24 3	0 18	3 6	2 28	21 6	0 2	14 23	1 15	28 20	4 36	23 0	22 51	25 1		n.a.
F 10	22 34	19 41	4 38	22 27	1 9	22 16	1 19	21 39	0 32	24 3	0 18	3 5	2 28	21 6	0 2	14 23	1 15	28 20	4 37	23 0	22 51	25 1		n.a.
S 11	22 42	22 37	4 3	22 11	1 24	22 0	1 13	21 47	0 32	24 3	0 19	3 4	2 28	21 6	0 2	14 23	1 15	28 20	4 37	23 1	22 51	25 2		n.a.
S 12	22 48	24 35	3 18	21 56	1 38	21 44	1 8	21 55	0 33	24 3	0 19	3 2	2 29	21 5	0 2	14 23	1 16	28 20	4 37	23 1	22 52	25 2		n.a.
M13	22 55	25 26	2 24	21 41	1 53	21 28	1 2	22 2	0 33	24 3	0 19	3 1	2 29	21 5	0 2	14 23	1 16	28 20	4 37	23 2	22 52	25 2		n.a.
T 14	23 1	25 8	1 24	21 25	2 7	21 12	0 56	22 10	0 34	24 4	0 19	3 0	2 29	21 4	0 2	14 24	1 16	28 20	4 37	23 2	22 52	25 3		n.a.
W15	23 7	23 41	0 20	21 11	2 22	20 55	0 50	22 17	0 34	24 4	0 19	2 59	2 29	21 4	0 2	14 24	1 16	28 21	4 37	23 2	22 53	25 3		n.a.
T 16	23 12	21 9	0s46	20 56	2 36	20 38	0 44	22 24	0 35	24 4	0 19	2 58	2 30	21 3	0 2	14 24	1 16	28 21	4 37	23 2	22 53	25 3		n.a.
F 17	23 17	17 40	1 50	20 42	2 51	20 20	0 37	22 31	0 35	24 4	0 20	2 57	2 30	21 3	0 2	14 24	1 16	28 21	4 37	23 2	22 54	25 4		n.a.
S 18	23 22	13 23	2 51	20 28	3 5	20 3	0 30	22 38	0 36	24 4	0 20	2 56	2 30	21 2	0 2	14 24	1 16	28 21	4 38	23 2	22 54	25 4		n.a.
S 19	23 26	8 27	3 45	20 15	3 19	19 45	0 23	22 45	0 36	24 4	0 20	2 55	2 30	21 2	0 2	14 24	1 16	28 21	4 38	23 2	22 54	25 5		n.a.
M20	23 30	3 3	4 28	20 3	3 32	19 27	0 16	22 51	0 37	24 4	0 20	2 54	2 31	21 2	0 2	14 25	1 16	28 21	4 38	23 1	22 55	25 5		n.a.
T 21	23 33	2s37	4 59	19 52	3 44	19 9	0 8	22 57	0 37	24 4	0 20	2 53	2 31	21 1	0 2	14 25	1 16	28 21	4 38	23 1	22 55	25 5		n.a.
W22	23 36	8 20	5 14	19 41	3 56	18 51	0 1	23 3	0 38	24 4	0 20	2 52	2 31	21 1	0 2	14 25	1 16	28 22	4 38	23 1	22 55	25 6		n.a.
T 23	23 39	13 49	5 12	19 32	4 6	18 33	0s 7	23 9	0 38	24 4	0 21	2 51	2 32	21 0	0 2	14 25	1 16	28 22	4 38	23 2	22 56	25 6		n.a.
F 24	23 41	18 41	4 49	19 24	4 16	18 14	0 15	23 15	0 39	24 4	0 21	2 51	2 32	21 0	0 2	14 26	1 16	28 22	4 38	23 2	22 56	25 6		n.a.
S 25	23 42	22 31	4 8	19 17	4 24	17 56	0 24	23 21	0 39	24 4	0 21	2 50	2 32	20 59	0 2	14 26	1 16	28 22	4 38	23 2	22 56	25 7		n.a.
S 26	23 44	24 53	3 8	19 11	4 31	17 37	0 32	23 26	0 40	24 4	0 21	2 49	2 32	20 59	0 2	14 26	1 16	28 22	4 38	23 2	22 57	25 7		n.a.
M27	23 45	25 26	1 55	19 7	4 36	17 18	0 41	23 31	0 41	24 4	0 21	2 49	2 33	20 59	0 2	14 27	1 16	28 22	4 38	23 2	22 57	25 7		n.a.
T 28	23 45	24 6	0 34	19 4	4 40	17 0	0 50	23 36	0 41	24 4	0 21	2 48	2 33	20 58	0 2	14 27	1 16	28 22	4 39	23 2	22 57	25 7		n.a.
W29	23 45	21 4	0n48	19 3	4 42	16 41	1 0	23 41	0 42	24 4	0 22	2 47	2 33	20 58	0 2	14 27	1 16	28 22	4 39	23 2	22 58	25 8		n.a.
T 30	23n45	16s45	2n 6	19n 3	4s42	16n23	1s 9	23n45	0n42	24s 4	0s22	2s47	2s34	20s57	0s 2	14s27	1s16	28s22	4s39	23s 2	22s58	25n 8		n.a.

Julian Day Number = 1557942.5, Delta T = 04h26m13s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'14, Lahiri = -10°08'13 Julian Calendar 1 June 448 BCE == Greg. Calendar 27 May 448 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

JULY 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 13 48	2♋23'30	21♒ 6	29°R48	12♌17	17♊11	26°R16	28♓57	2°R27	25°R16	2°R13	13♑40	14♑16	10♊23	n.a.	F 1
S 2	18 17 45	3°20'53	4♓49	29♊ 7	12°48	17°49	26♐ 8	28°58	2♐25	25♒15	2♑12	13°41	14°13	10°30	n.a.	S 2
S 3	18 21 41	4°18'18	18° 6	28°28	13°18	18°28	26° 1	29° 0	2°23	25°14	2°11	13°41	14°10	10°37	n.a.	S 3
M 4	18 25 38	5°15'44	0♈59	27°53	13°46	19° 7	25°53	29° 1	2°21	25°14	2° 9	13°R42	14° 7	10°43	n.a.	M 4
T 5	18 29 35	6°13'11	13°31	27°22	14°12	19°46	25°45	29° 3	2°19	25°13	2° 8	13°42	14° 4	10°50	n.a.	T 5
W 6	18 33 31	7°10'40	25°46	26°56	14°37	20°24	25°38	29° 4	2°17	25°12	2° 6	13°41	14° 0	10°57	n.a.	W 6
T 7	18 37 28	8° 8'10	7♉49	26°35	15° 0	21° 3	25°31	29° 5	2°16	25°11	2° 5	13°41	13°57	11° 3	n.a.	T 7
F 8	18 41 24	9° 5'42	19°44	26°20	15°21	21°42	25°23	29° 6	2°14	25°10	2° 4	13°40	13°54	11°10	n.a.	F 8
S 9	18 45 21	10° 3'16	1♊33	26°12	15°41	22°20	25°16	29° 7	2°12	25° 9	2° 2	13°40	13°51	11°17	n.a.	S 9
S 10	18 49 17	11° 0'50	13°22	26°D10	15°59	22°59	25° 9	29° 8	2°10	25° 8	2° 1	13°39	13°48	11°23	n.a.	S 10
M11	18 53 14	11°58'27	25°12	26°15	16°15	23°37	25° 1	29° 9	2° 9	25° 7	1°59	13°39	13°45	11°30	n.a.	M11
T 12	18 57 10	12°56'04	7♋ 6	26°27	16°29	24°16	24°54	29°10	2° 7	25° 5	1°58	13°39	13°41	11°37	n.a.	T 12
W13	19 1 7	13°53'44	19° 7	26°46	16°41	24°54	24°47	29°10	2° 5	25° 4	1°57	13°39	13°38	11°43	n.a.	W13
T 14	19 5 4	14°51'24	1♌17	27°13	16°51	25°33	24°41	29°11	2° 4	25° 3	1°55	13°39	13°35	11°50	n.a.	T 14
F 15	19 9 0	15°49'06	13°36	27°46	16°59	26°11	24°34	29°11	2° 2	25° 2	1°54	13°39	13°32	11°57	n.a.	F 15
S 16	19 12 57	16°46'49	26° 8	28°27	17° 5	26°50	24°27	29°11	2° 1	25° 1	1°53	13°39	13°29	12° 3	n.a.	S 16
S 17	19 16 53	17°44'33	8♍53	29°14	17° 8	27°28	24°21	29°12	1°59	25° 0	1°51	13°38	13°25	12°10	n.a.	S 17
M18	19 20 50	18°42'19	21°53	0♋ 9	17°R 9	28° 6	24°14	29°R12	1°58	24°58	1°50	13°38	13°22	12°17	n.a.	M18
T 19	19 24 46	19°40'06	5♎11	1°10	17° 8	28°45	24° 8	29°11	1°57	24°57	1°49	13°37	13°19	12°23	n.a.	T 19
W20	19 28 43	20°37'54	18°47	2°17	17° 5	29°23	24° 2	29°11	1°55	24°56	1°47	13°D37	13°16	12°30	n.a.	W20
T 21	19 32 39	21°35'43	2♏42	3°31	16°59	0♋ 1	23°55	29°11	1°54	24°54	1°46	13°37	13°13	12°37	n.a.	T 21
F 22	19 36 36	22°33'34	16°56	4°50	16°51	0°39	23°49	29°11	1°53	24°53	1°45	13°38	13°10	12°43	n.a.	F 22
S 23	19 40 33	23°31'26	1♐27	6°15	16°40	1°18	23°44	29°10	1°51	24°52	1°43	13°38	13° 6	12°50	n.a.	S 23
S 24	19 44 29	24°29'20	16°10	7°45	16°27	1°56	23°38	29° 9	1°50	24°50	1°42	13°39	13° 3	12°57	n.a.	S 24
M25	19 48 26	25°27'15	1♑ 0	9°19	16°12	2°34	23°32	29° 9	1°49	24°49	1°41	13°40	13° 0	13° 3	n.a.	M25
T 26	19 52 22	26°25'12	15°51	10°58	15°54	3°12	23°27	29° 8	1°48	24°48	1°40	13°R40	12°57	13°10	n.a.	T 26
W27	19 56 19	27°23'10	0♒35	12°40	15°34	3°50	23°22	29° 7	1°47	24°46	1°38	13°40	12°54	13°17	n.a.	W27
T 28	20 0 15	28°21'10	15° 5	14°26	15°12	4°28	23°17	29° 6	1°46	24°45	1°37	13°38	12°51	13°23	n.a.	T 28
F 29	20 4 12	29°19'12	29°15	16°14	14°48	5° 6	23°12	29° 5	1°45	24°43	1°36	13°37	12°47	13°30	n.a.	F 29
S 30	20 8 8	0♌17'16	13♓ 2	18° 5	14°21	5°44	23° 7	29° 4	1°44	24°42	1°35	13°34	12°44	13°37	n.a.	S 30
S 31	20 12 5	1♌15'21	26♓23	19♋57	13♌53	6♋23	23♐ 2	29♓ 2	1♐43	24♒40	1♑34	13♑32	12♑41	13♊43	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	23n44	11s36	3n13	19n 4	4s41	16n 4	1s19	23n50	0n43	24s 4	0s22	2s46	2s34	20s57	0s 2	14s28	1s16	28s23	4s39	23s 2	22s58	25n 8			n.a.
S 2	23 42	6 2	4 7	19 7	4 37	15 46	1 29	23 54	0 43	24 4	0 22	2 46	2 34	20 57	0 2	14 28	1 17	28 23	4 39	23 2	22 59	25 9			n.a.
S 3	23 41	0 23	4 46	19 12	4 32	15 27	1 40	23 58	0 44	24 3	0 22	2 46	2 35	20 56	0 2	14 28	1 17	28 23	4 39	23 2	22 59	25 9			n.a.
M 4	23 39	5n 7	5 9	19 18	4 26	15 9	1 50	24 2	0 44	24 3	0 22	2 45	2 35	20 56	0 2	14 29	1 17	28 23	4 39	23 2	22 59	25 9			n.a.
T 5	23 36	10 15	5 17	19 26	4 17	14 51	2 1	24 5	0 45	24 3	0 22	2 45	2 35	20 55	0 2	14 29	1 17	28 23	4 39	23 2	23 0	25 9			n.a.
W 6	23 33	14 53	5 10	19 35	4 8	14 33	2 12	24 9	0 45	24 3	0 23	2 45	2 35	20 55	0 2	14 29	1 17	28 23	4 39	23 2	23 0	25 10			n.a.
T 7	23 30	18 51	4 50	19 46	3 57	14 16	2 23	24 12	0 46	24 3	0 23	2 45	2 36	20 55	0 2	14 30	1 17	28 23	4 39	23 2	23 0	25 10			n.a.
F 8	23 26	22 0	4 17	19 57	3 45	13 58	2 35	24 15	0 46	24 3	0 23	2 44	2 36	20 54	0 2	14 30	1 17	28 23	4 39	23 2	23 1	25 10			n.a.
S 9	23 22	24 13	3 33	20 10	3 31	13 41	2 47	24 18	0 47	24 3	0 23	2 44	2 36	20 54	0 2	14 31	1 17	28 23	4 39	23 2	23 1	25 10			n.a.
S 10	23 17	25 21	2 40	20 24	3 17	13 25	2 59	24 21	0 47	24 3	0 23	2 44	2 37	20 54	0 2	14 31	1 17	28 23	4 39	23 2	23 1	25 10			n.a.
M11	23 12	25 20	1 41	20 39	3 2	13 8	3 11	24 23	0 48	24 3	0 23	2 44	2 37	20 53	0 2	14 31	1 17	28 24	4 39	23 2	23 2	25 11			n.a.
T 12	23 7	24 10	0 36	20 55	2 47	12 52	3 23	24 25	0 48	24 2	0 23	2 44	2 37	20 53	0 2	14 32	1 17	28 24	4 40	23 2	23 2	25 11			n.a.
W13	23 1	21 52	0s30	21 11	2 31	12 37	3 36	24 27	0 48	24 2	0 24	2 44	2 38	20 53	0 2	14 32	1 17	28 24	4 40	23 2	23 2	25 11			n.a.
T 14	22 55	18 34	1 36	21 28	2 15	12 22	3 48	24 29	0 49	24 2	0 24	2 44	2 38	20 52	0 2	14 33	1 17	28 24	4 40	23 2	23 3	25 11			n.a.
F 15	22 48	14 25	2 39	21 45	1 59	12 7	4 1	24 31	0 49	24 2	0 24	2 44	2 38	20 52	0 2	14 33	1 17	28 24	4 40	23 2	23 3	25 11			n.a.
S 16	22 41	9 37	3 35	22 2	1 43	11 53	4 14	24 33	0 50	24 2	0 24	2 45	2 38	20 52	0 2	14 34	1 17	28 24	4 40	23 2	23 3	25 12			n.a.
S 17	22 33	4 19	4 21	22 19	1 26	11 39	4 27	24 34	0 50	24 2	0 24	2 45	2 39	20 52	0 2	14 34	1 17	28 24	4 40	23 2	23 4	25 12			n.a.
M18	22 25	1s15	4 55	22 35	1 10	11 26	4 40	24 35	0 51	24 1	0 24	2 45	2 39	20 51	0 2	14 35	1 17	28 24	4 40	23 3	23 4	25 12			n.a.
T 19	22 17	6 52	5 14	22 50	0 54	11 14	4 54	24 36	0 51	24 1	0 24	2 45	2 39	20 51	0 2	14 35	1 17	28 24	4 40	23 3	23 4	25 12			n.a.
W20	22 9	12 19	5 16	23 5	0 39	11 3	5 7	24 37	0 52	24 1	0 24	2 46	2 40	20 51	0 2	14 35	1 17	28 24	4 40	23 3	23 5	25 12			n.a.
T 21	22 0	17 15	5 0	23 18	0 24	10 52	5 20	24 37	0 52	24 1	0 24	2 46	2 40	20 51	0 2	14 36	1 17	28 24	4 40	23 3	23 5	25 12			n.a.
F 22	21 50	21 21	4 25	23 30	0 10	10 42	5 33	24 38	0 53	24 1	0 25	2 46	2 40	20 50	0 2	14 36	1 17	28 24	4 40	23 3	23 5	25 12			n.a.
S 23	21 40	24 12	3 33	23 40	0n 4	10 32	5 47	24 38	0 53	24 1	0 25	2 47	2 40	20 50	0 2	14 37	1 17	28 24	4 40	23 2	23 6	25 13			n.a.
S 24	21 30	25 27	2 27	23 48	0 17	10 24	6 0	24 38	0 54	24 0	0 25	2 47	2 41	20 50	0 2	14 37	1 17	28 24	4 40	23 2	23 6	25 13			n.a.
M25	21 19	24 54	1 10	23 54	0 29	10 16	6 12	24 38	0 54	24 0	0 25	2 48	2 41	20 50	0 2	14 38	1 17	28 24	4 40	23 2	23 6	25 13			n.a.
T 26	21 9	22 36	0n12	23 57	0 40	10 9	6 25	24 37	0 55	24 0	0 25	2 49	2 41	20 49	0 2	14 38	1 17	28 24	4 40	23 2	23 7	25 13			n.a.
W27	20 57	18 47	1 32	23 59	0 51	10 3	6 37	24 37	0 55	24 0	0 25	2 49	2 42	20 49	0 2	14 39	1 17	28 24	4 40	23 2	23 7	25 13			n.a.
T 28	20 46	13 53	2 45	23 57	1 0	9 58	6 49	24 36	0 56	24 0	0 25	2 50	2 42	20 49	0 2	14 39	1 17	28 25	4 40	23 2	23 7	25 13			n.a.
F 29	20 33	8 21	3 46	23 53	1 9	9 54	7 1	24 35	0 56	24 0	0 25	2 51	2 42	20 49	0 2	14 40	1 18	28 25	4 40	23 3	23 8	25 13			n.a.
S 30	20 21	2 34	4 32	23 47	1 17	9 51	7 12	24 34	0 57	23 59	0 25	2 51	2 42	20 49	0 2	14 40	1 18	28 25	4 40	23 3	23 8	25 13			n.a.
S 31	20n 8	3n 9	5n 2	23n37	1n24	9n49	7s22	24n33	0n57	23s59	0s26	2s52	2s43	20s48	0s 2	14s41	1s18	28s25	4s40	23s 3	23s 8	25n13			n.a.

Julian Day Number = 1557972.5, Delta T = 04h26m12s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'10, Lahiri = -10°08'09 Julian Calendar 1 July 448 BCE == Greg. Calendar 26 June 448 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

AUGUST 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 16 2	2♌13'29	9♈20	21♋51	13°R23	7♋ 1	22°R58	29°R 1	1°R43	24°R39	1°R33	13°R30	12♑38	13♊50	n.a.	M 1
T 2	20 19 58	3°11'39	21°55	23°46	12♌52	7°38	22♐54	28♓59	1♐42	24♒37	1♑31	13♑29	12°35	13°57	n.a.	T 2
W 3	20 23 55	4° 9'51	4♉12	25°42	12°19	8°16	22°49	28°58	1°41	24°36	1°30	13°D29	12°31	14° 3	n.a.	W 3
T 4	20 27 51	5° 8'05	16°15	27°38	11°45	8°54	22°46	28°56	1°40	24°34	1°29	13°29	12°28	14°10	n.a.	T 4
F 5	20 31 48	6° 6'21	28° 8	29°34	11°10	9°32	22°42	28°54	1°40	24°33	1°28	13°30	12°25	14°17	n.a.	F 5
S 6	20 35 44	7° 4'40	9♊57	1♌31	10°34	10°10	22°38	28°52	1°39	24°31	1°27	13°32	12°22	14°23	n.a.	S 6
S 7	20 39 41	8° 3'01	21°47	3°27	9°58	10°48	22°35	28°50	1°39	24°30	1°26	13°34	12°19	14°30	n.a.	S 7
M 8	20 43 37	9° 1'23	3♋40	5°22	9°21	11°26	22°31	28°48	1°38	24°28	1°25	13°35	12°16	14°37	n.a.	M 8
T 9	20 47 34	9°59'48	15°41	7°17	8°44	12° 4	22°28	28°46	1°38	24°26	1°24	13°R35	12°12	14°43	n.a.	T 9
W10	20 51 31	10°58'15	27°52	9°12	8° 7	12°42	22°26	28°43	1°38	24°25	1°23	13°34	12° 9	14°50	n.a.	W10
T 11	20 55 27	11°56'44	10♌16	11° 5	7°31	13°19	22°23	28°41	1°37	24°23	1°22	13°32	12° 6	14°57	n.a.	T 11
F 12	20 59 24	12°55'15	22°54	12°58	6°56	13°57	22°20	28°38	1°37	24°22	1°21	13°28	12° 3	15° 3	n.a.	F 12
S 13	21 3 20	13°53'48	5♍45	14°50	6°21	14°35	22°18	28°36	1°37	24°20	1°20	13°24	12° 0	15°10	n.a.	S 13
S 14	21 7 17	14°52'23	18°51	16°41	5°47	15°13	22°16	28°33	1°37	24°18	1°19	13°19	11°57	15°17	n.a.	S 14
M15	21 11 13	15°51'00	2♎10	18°31	5°15	15°50	22°14	28°30	1°36	24°17	1°18	13°14	11°53	15°23	n.a.	M15
T 16	21 15 10	16°49'38	15°41	20°19	4°44	16°28	22°12	28°27	1°36	24°15	1°17	13° 9	11°50	15°30	n.a.	T 16
W17	21 19 6	17°48'19	29°24	22° 7	4°14	17° 6	22°11	28°24	1°D36	24°13	1°16	13° 7	11°47	15°37	n.a.	W17
T 18	21 23 3	18°47'01	13♏19	23°54	3°46	17°43	22° 9	28°21	1°36	24°12	1°15	13°D 5	11°44	15°43	n.a.	T 18
F 19	21 26 59	19°45'45	27°24	25°40	3°21	18°21	22° 8	28°18	1°36	24°10	1°15	13° 5	11°41	15°50	n.a.	F 19
S 20	21 30 56	20°44'31	11♐37	27°24	2°57	18°58	22° 7	28°15	1°37	24° 8	1°14	13° 6	11°37	15°56	n.a.	S 20
S 21	21 34 53	21°43'18	25°58	29° 8	2°35	19°36	22° 6	28°11	1°37	24° 7	1°13	13° 8	11°34	16° 3	n.a.	S 21
M22	21 38 49	22°42'08	10♑23	0♍51	2°16	20°14	22° 6	28° 8	1°37	24° 5	1°12	13°R 9	11°31	16°10	n.a.	M22
T 23	21 42 46	23°40'59	24°49	2°33	1°59	20°51	22° 5	28° 4	1°37	24° 3	1°12	13° 8	11°28	16°16	n.a.	T 23
W24	21 46 42	24°39'52	9♒10	4°14	1°44	21°28	22°D 5	28° 1	1°38	24° 2	1°11	13° 6	11°25	16°23	n.a.	W24
T 25	21 50 39	25°38'48	23°23	5°53	1°32	22° 6	22° 5	27°57	1°38	24° 0	1°10	13° 1	11°22	16°30	n.a.	T 25
F 26	21 54 35	26°37'45	7♓22	7°32	1°22	22°43	22° 5	27°53	1°39	23°58	1° 9	12°55	11°18	16°36	n.a.	F 26
S 27	21 58 32	27°36'45	21° 2	9°10	1°15	23°21	22° 6	27°50	1°39	23°57	1° 9	12°48	11°15	16°43	n.a.	S 27
S 28	22 2 28	28°35'46	4♈21	10°48	1°10	23°58	22° 6	27°46	1°40	23°55	1° 8	12°40	11°12	16°50	n.a.	S 28
M29	22 6 25	29°34'51	17°18	12°24	1° 8	24°36	22° 7	27°42	1°40	23°53	1° 8	12°33	11° 9	16°56	n.a.	M29
T 30	22 10 22	0♍33'57	29°54	13°59	1°D 7	25°13	22° 8	27°38	1°41	23°52	1° 7	12°27	11° 6	17° 3	n.a.	T 30
W31	22 14 18	1♍33'06	12♉12	15♍34	1♌10	25♋50	22♐ 9	27♓34	1♐42	23♒50	1♑ 6	12♑23	11♑ 3	17♊10	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19n55	8n33	5n15	23n25	1n30	9n47	7s33	24n31	0n58	23s59	0s26	2s53	2s43	20s48	0s 2	14s42	1s18	28s25	4s40	23s 3	23s 8	25n13		n.a.
T 2	19 42	13 28	5 12	23 11	1 35	9 47	7 42	24 29	0 58	23 59	0 26	2 54	2 43	20 48	0 2	14 42	1 18	28 25	4 40	23 3	23 9	25 13		n.a.
W 3	19 28	17 42	4 55	22 54	1 39	9 48	7 51	24 28	0 58	23 59	0 26	2 55	2 44	20 48	0 2	14 43	1 18	28 25	4 40	23 3	23 9	25 13		n.a.
T 4	19 14	21 9	4 26	22 34	1 42	9 49	7 59	24 26	0 59	23 59	0 26	2 56	2 44	20 48	0 2	14 43	1 18	28 25	4 40	23 3	23 9	25 13		n.a.
F 5	18 59	23 39	3 45	22 13	1 45	9 51	8 6	24 23	0 59	23 59	0 26	2 57	2 44	20 48	0 2	14 44	1 18	28 25	4 40	23 3	23 10	25 13		n.a.
S 6	18 45	25 7	2 55	21 49	1 47	9 55	8 12	24 21	1 0	23 59	0 26	2 58	2 44	20 48	0 2	14 44	1 18	28 25	4 40	23 3	23 10	25 13		n.a.
S 7	18 29	25 26	1 57	21 23	1 48	9 59	8 18	24 18	1 0	23 58	0 26	2 59	2 45	20 48	0 2	14 45	1 18	28 25	4 40	23 3	23 10	25 14		n.a.
M 8	18 14	24 36	0 54	20 55	1 48	10 4	8 23	24 16	1 1	23 58	0 26	3 0	2 45	20 47	0 2	14 45	1 18	28 25	4 40	23 3	23 11	25 14		n.a.
T 9	17 58	22 37	0s12	20 26	1 48	10 10	8 27	24 13	1 1	23 58	0 26	3 1	2 45	20 47	0 2	14 46	1 18	28 25	4 40	23 3	23 11	25 14		n.a.
W10	17 42	19 35	1 18	19 54	1 47	10 16	8 29	24 10	1 2	23 58	0 26	3 2	2 45	20 47	0 2	14 47	1 18	28 25	4 40	23 3	23 11	25 14		n.a.
T 11	17 26	15 38	2 21	19 22	1 46	10 23	8 31	24 6	1 2	23 58	0 26	3 4	2 46	20 47	0 2	14 47	1 18	28 25	4 40	23 3	23 11	25 14		n.a.
F 12	17 9	10 56	3 19	18 48	1 44	10 31	8 33	24 3	1 3	23 58	0 26	3 5	2 46	20 47	0 2	14 48	1 18	28 25	4 40	23 3	23 12	25 14		n.a.
S 13	16 52	5 41	4 8	18 13	1 41	10 39	8 33	23 59	1 3	23 58	0 27	3 6	2 46	20 47	0 2	14 48	1 18	28 25	4 40	23 4	23 12	25 13		n.a.
S 14	16 35	0 7	4 44	17 36	1 39	10 48	8 32	23 55	1 4	23 58	0 27	3 7	2 46	20 47	0 2	14 49	1 18	28 25	4 40	23 4	23 12	25 13		n.a.
M15	16 17	5s32	5 6	16 59	1 35	10 57	8 30	23 51	1 4	23 58	0 27	3 9	2 47	20 47	0 2	14 49	1 18	28 25	4 40	23 5	23 13	25 13		n.a.
T 16	16 0	11 2	5 12	16 21	1 31	11 7	8 28	23 47	1 4	23 58	0 27	3 10	2 47	20 47	0 2	14 50	1 18	28 25	4 40	23 5	23 13	25 13		n.a.
W17	15 42	16 4	4 59	15 42	1 27	11 17	8 25	23 43	1 5	23 58	0 27	3 12	2 47	20 47	0 2	14 50	1 18	28 25	4 40	23 6	23 13	25 13		n.a.
T 18	15 23	20 19	4 30	15 2	1 23	11 27	8 21	23 38	1 5	23 58	0 27	3 13	2 47	20 47	0 2	14 51	1 18	28 25	4 40	23 6	23 13	25 13		n.a.
F 19	15 5	23 27	3 44	14 21	1 18	11 37	8 16	23 34	1 6	23 58	0 27	3 14	2 47	20 47	0 2	14 52	1 18	28 25	4 40	23 6	23 14	25 13		n.a.
S 20	14 46	25 10	2 43	13 40	1 13	11 48	8 10	23 29	1 6	23 58	0 27	3 16	2 48	20 47	0 2	14 52	1 18	28 25	4 40	23 6	23 14	25 13		n.a.
S 21	14 27	25 13	1 32	12 59	1 8	11 59	8 4	23 24	1 7	23 58	0 27	3 17	2 48	20 47	0 2	14 53	1 18	28 25	4 40	23 6	23 14	25 13		n.a.
M22	14 8	23 35	0 15	12 17	1 2	12 9	7 57	23 19	1 7	23 58	0 27	3 19	2 48	20 47	0 2	14 53	1 18	28 25	4 40	23 5	23 15	25 13		n.a.
T 23	13 48	20 25	1n 3	11 35	0 57	12 20	7 50	23 13	1 8	23 58	0 27	3 21	2 48	20 47	0 2	14 54	1 18	28 25	4 40	23 6	23 15	25 13		n.a.
W24	13 28	16 0	2 17	10 52	0 51	12 31	7 42	23 8	1 8	23 58	0 27	3 22	2 49	20 47	0 2	14 54	1 18	28 25	4 40	23 6	23 15	25 13		n.a.
T 25	13 8	10 45	3 21	10 10	0 45	12 42	7 34	23 2	1 8	23 58	0 27	3 24	2 49	20 48	0 2	14 55	1 18	28 25	4 40	23 6	23 15	25 13		n.a.
F 26	12 48	5 2	4 11	9 27	0 38	12 52	7 25	22 56	1 9	23 58	0 27	3 26	2 49	20 48	0 2	14 56	1 18	28 25	4 40	23 7	23 16	25 13		n.a.
S 27	12 28	0n47	4 47	8 43	0 32	13 2	7 16	22 50	1 9	23 58	0 27	3 27	2 49	20 48	0 2	14 56	1 18	28 25	4 40	23 8	23 16	25 12		n.a.
S 28	12 7	6 24	5 5	8 0	0 25	13 13	7 7	22 44	1 10	23 58	0 27	3 29	2 49	20 48	0 2	14 57	1 18	28 25	4 40	23 8	23 16	25 12		n.a.
M29	11 46	11 35	5 7	7 17	0 19	13 23	6 57	22 38	1 10	23 58	0 28	3 31	2 49	20 48	0 2	14 57	1 18	28 25	4 40	23 9	23 17	25 12		n.a.
T 30	11 25	16 9	4 54	6 33	0 12	13 32	6 48	22 32	1 11	23 58	0 28	3 32	2 50	20 48	0 2	14 58	1 18	28 24	4 40	23 10	23 17	25 12		n.a.
W31	11n 4	19n56	4n28	5n50	0n 5	13n42	6s38	22n25	1n11	23s58	0s28	3s34	2s50	20s48	0s 2	14s58	1s18	28s24	4s40	23s10	23s17	25n12		n.a.

Julian Day Number = 1558003.5, Delta T = 04h26m11s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'06, Lahiri = -10°08'05 Julian Calendar 1 Aug. 448 BCE == Greg. Calendar 27 July 448 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

SEPTEMBER 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 18 15	2♍32'17	24♉15	17♍ 8	1♌14	26♋27	22♐11	27°R30	1♐42	23°R49	1°R 6	12°R20	10♑59	17♊16	n.a.	T 1
F 2	22 22 11	3°31'31	6♊ 8	18°41	1°21	27° 5	22°12	27♓25	1°43	23♒47	1♑ 5	12°D20	10°56	17°23	n.a.	F 2
S 3	22 26 8	4°30'47	17°57	20°13	1°30	27°42	22°14	27°21	1°44	23°45	1° 5	12♑21	10°53	17°30	n.a.	S 3
S 4	22 30 4	5°30'06	29°47	21°44	1°42	28°19	22°16	27°17	1°45	23°44	1° 5	12°22	10°50	17°36	n.a.	S 4
M 5	22 34 1	6°29'27	11♋43	23°14	1°55	28°56	22°18	27°13	1°46	23°42	1° 4	12°R23	10°47	17°43	n.a.	M 5
T 6	22 37 57	7°28'51	23°49	24°44	2°10	29°34	22°21	27° 8	1°47	23°40	1° 4	12°22	10°43	17°50	n.a.	T 6
W 7	22 41 54	8°28'17	6♌ 9	26°13	2°28	0♌11	22°23	27° 4	1°48	23°39	1° 3	12°19	10°40	17°56	n.a.	W 7
T 8	22 45 50	9°27'45	18°46	27°41	2°47	0°48	22°26	26°59	1°49	23°37	1° 3	12°14	10°37	18° 3	n.a.	T 8
F 9	22 49 47	10°27'15	1♍42	29° 8	3° 9	1°25	22°29	26°55	1°50	23°36	1° 3	12° 6	10°34	18°10	n.a.	F 9
S 10	22 53 44	11°26'47	14°56	0♎35	3°32	2° 2	22°32	26°50	1°51	23°34	1° 2	11°57	10°31	18°16	n.a.	S 10
S 11	22 57 40	12°26'22	28°27	2° 0	3°57	2°39	22°35	26°46	1°53	23°33	1° 2	11°46	10°28	18°23	n.a.	S 11
M12	23 1 37	13°25'59	12♎12	3°25	4°23	3°16	22°39	26°41	1°54	23°31	1° 2	11°36	10°24	18°30	n.a.	M12
T 13	23 5 33	14°25'37	26° 7	4°48	4°52	3°53	22°42	26°36	1°55	23°29	1° 2	11°27	10°21	18°36	n.a.	T 13
W14	23 9 30	15°25'18	10♏ 9	6°11	5°21	4°30	22°46	26°31	1°57	23°28	1° 2	11°20	10°18	18°43	n.a.	W14
T 15	23 13 26	16°25'00	24°15	7°33	5°53	5° 7	22°50	26°27	1°58	23°26	1° 1	11°15	10°15	18°50	n.a.	T 15
F 16	23 17 23	17°24'45	8♐22	8°54	6°25	5°44	22°54	26°22	2° 0	23°25	1° 1	11°13	10°12	18°56	n.a.	F 16
S 17	23 21 19	18°24'31	22°28	10°14	7° 0	6°21	22°59	26°17	2° 1	23°23	1° 1	11°D13	10° 8	19° 3	n.a.	S 17
S 18	23 25 16	19°24'19	6♑34	11°32	7°35	6°58	23° 3	26°12	2° 3	23°22	1° 1	11°R13	10° 5	19°10	n.a.	S 18
M19	23 29 13	20°24'09	20°37	12°49	8°12	7°35	23° 8	26° 8	2° 5	23°21	1°D 1	11°13	10° 2	19°16	n.a.	M19
T 20	23 33 9	21°24'00	4♒37	14° 5	8°50	8°12	23°13	26° 3	2° 6	23°19	1° 1	11°11	9°59	19°23	n.a.	T 20
W21	23 37 6	22°23'54	18°32	15°20	9°30	8°48	23°18	25°58	2° 8	23°18	1° 1	11° 6	9°56	19°30	n.a.	W21
T 22	23 41 2	23°23'49	2♓19	16°33	10°10	9°25	23°24	25°53	2°10	23°16	1° 1	10°59	9°53	19°36	n.a.	T 22
F 23	23 44 59	24°23'46	15°56	17°44	10°52	10° 2	23°29	25°48	2°12	23°15	1° 1	10°49	9°49	19°43	n.a.	F 23
S 24	23 48 55	25°23'45	29°19	18°53	11°35	10°39	23°35	25°43	2°14	23°14	1° 2	10°37	9°46	19°49	n.a.	S 24
S 25	23 52 52	26°23'46	12♈26	20° 0	12°19	11°15	23°40	25°38	2°15	23°12	1° 2	10°24	9°43	19°56	n.a.	S 25
M26	23 56 48	27°23'49	25°15	21° 5	13° 4	11°52	23°46	25°34	2°17	23°11	1° 2	10°11	9°40	20° 3	n.a.	M26
T 27	0 0 45	28°23'54	7♉47	22° 8	13°50	12°28	23°52	25°29	2°19	23°10	1° 2	10° 1	9°37	20° 9	n.a.	T 27
W28	0 4 41	29°24'02	20° 3	23° 7	14°37	13° 5	23°59	25°24	2°22	23° 8	1° 2	9°52	9°34	20°16	n.a.	W28
T 29	0 8 38	0♎24'11	2♊ 5	24° 4	15°24	13°42	24° 5	25°19	2°24	23° 7	1° 3	9°47	9°30	20°23	n.a.	T 29
F 30	0 12 35	1♎24'23	13♊57	24♎57	16♌13	14♌18	24♐12	25♓14	2♐26	23♒ 6	1♑ 3	9♑43	9♑27	20♊29	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n42	22n47	3n50	5n 7	0s 2	13n51	6s27	22n18	1n12	23s59	0s28	3s36	2s50	20s48	0s 2	14s59	1s18	28s24	4s40	23s10	23s17	25n12		n.a.
F 2	10 21	24 36	3 3	4 24	0 9	13 59	6 17	22 11	1 12	23 59	0 28	3 38	2 50	20 49	0 2	15 0	1 18	28 24	4 40	23 10	23 18	25 12		n.a.
S 3	9 59	25 19	2 8	3 41	0 16	14 8	6 6	22 4	1 12	23 59	0 28	3 40	2 50	20 49	0 2	15 0	1 18	28 24	4 40	23 10	23 18	25 11		n.a.
S 4	9 37	24 52	1 7	2 58	0 24	14 15	5 56	21 57	1 13	23 59	0 28	3 42	2 50	20 49	0 2	15 1	1 18	28 24	4 40	23 10	23 18	25 11		n.a.
M 5	9 15	23 17	0 4	2 15	0 31	14 23	5 45	21 50	1 13	23 59	0 28	3 43	2 50	20 49	0 2	15 1	1 18	28 24	4 40	23 10	23 18	25 11		n.a.
T 6	8 52	20 37	1s 1	1 32	0 38	14 30	5 35	21 42	1 14	23 59	0 28	3 45	2 51	20 49	0 2	15 2	1 18	28 24	4 39	23 10	23 19	25 11		n.a.
W 7	8 30	16 59	2 4	0 50	0 45	14 36	5 24	21 35	1 14	24 0	0 28	3 47	2 51	20 50	0 2	15 2	1 18	28 24	4 39	23 10	23 19	25 11		n.a.
T 8	8 7	12 30	3 2	0 8	0 52	14 42	5 13	21 27	1 15	24 0	0 28	3 49	2 51	20 50	0 2	15 3	1 18	28 24	4 39	23 11	23 19	25 11		n.a.
F 9	7 45	7 24	3 52	0s34	0 59	14 48	5 3	21 19	1 15	24 0	0 28	3 51	2 51	20 50	0 2	15 3	1 18	28 24	4 39	23 11	23 19	25 10		n.a.
S 10	7 22	1 51	4 31	1 15	1 7	14 53	4 52	21 11	1 15	24 0	0 28	3 53	2 51	20 50	0 2	15 4	1 18	28 24	4 39	23 12	23 20	25 10		n.a.
S 11	6 59	3s53	4 56	1 56	1 14	14 58	4 41	21 3	1 16	24 0	0 28	3 55	2 51	20 51	0 2	15 4	1 18	28 24	4 39	23 13	23 20	25 10		n.a.
M12	6 36	9 32	5 4	2 36	1 21	15 2	4 31	20 55	1 16	24 1	0 28	3 57	2 51	20 51	0 2	15 5	1 18	28 24	4 39	23 14	23 20	25 10		n.a.
T 13	6 12	14 46	4 54	3 16	1 27	15 5	4 20	20 46	1 17	24 1	0 28	3 59	2 51	20 51	0 2	15 5	1 18	28 24	4 39	23 15	23 20	25 9		n.a.
W14	5 49	19 15	4 27	3 56	1 34	15 8	4 10	20 38	1 17	24 1	0 28	4 1	2 51	20 52	0 2	15 6	1 18	28 24	4 39	23 16	23 21	25 9		n.a.
T 15	5 26	22 40	3 43	4 35	1 41	15 11	3 59	20 29	1 18	24 1	0 28	4 3	2 51	20 52	0 2	15 6	1 18	28 24	4 39	23 16	23 21	25 9		n.a.
F 16	5 2	24 42	2 46	5 13	1 48	15 13	3 49	20 21	1 18	24 2	0 28	4 5	2 52	20 52	0 2	15 7	1 18	28 24	4 39	23 16	23 21	25 9		n.a.
S 17	4 39	25 10	1 38	5 51	1 54	15 14	3 39	20 12	1 19	24 2	0 28	4 7	2 52	20 52	0 2	15 7	1 18	28 24	4 39	23 16	23 21	25 8		n.a.
S 18	4 15	24 0	0 25	6 28	2 0	15 15	3 29	20 3	1 19	24 2	0 28	4 9	2 52	20 53	0 2	15 8	1 18	28 24	4 39	23 16	23 22	25 8		n.a.
M19	3 51	21 20	0n50	7 4	2 6	15 15	3 19	19 53	1 19	24 3	0 28	4 11	2 52	20 53	0 2	15 8	1 18	28 24	4 39	23 16	23 22	25 8		n.a.
T 20	3 27	17 24	2 1	7 39	2 12	15 14	3 9	19 44	1 20	24 3	0 28	4 13	2 52	20 53	0 2	15 9	1 18	28 24	4 39	23 16	23 22	25 8		n.a.
W21	3 3	12 33	3 4	8 14	2 18	15 13	3 0	19 35	1 20	24 3	0 29	4 15	2 52	20 54	0 2	15 9	1 18	28 24	4 39	23 17	23 22	25 7		n.a.
T 22	2 39	7 7	3 56	8 47	2 23	15 12	2 50	19 25	1 21	24 3	0 29	4 17	2 52	20 54	0 2	15 10	1 18	28 23	4 39	23 17	23 23	25 7		n.a.
F 23	2 15	1 25	4 34	9 20	2 29	15 10	2 40	19 16	1 21	24 4	0 29	4 19	2 52	20 55	0 2	15 10	1 18	28 23	4 39	23 18	23 23	25 7		n.a.
S 24	1 51	4n14	4 55	9 51	2 33	15 7	2 31	19 6	1 22	24 4	0 29	4 21	2 52	20 55	0 2	15 11	1 18	28 23	4 39	23 19	23 23	25 6		n.a.
S 25	1 27	9 35	5 1	10 21	2 38	15 3	2 22	18 56	1 22	24 4	0 29	4 23	2 52	20 55	0 2	15 11	1 18	28 23	4 39	23 20	23 23	25 6		n.a.
M26	1 3	14 24	4 51	10 50	2 42	14 59	2 13	18 46	1 22	24 5	0 29	4 25	2 52	20 56	0 2	15 11	1 18	28 23	4 39	23 21	23 24	25 6		n.a.
T 27	0 39	18 29	4 27	11 17	2 46	14 55	2 4	18 36	1 23	24 5	0 29	4 27	2 52	20 56	0 2	15 12	1 18	28 23	4 38	23 22	23 24	25 6		n.a.
W28	0 14	21 41	3 51	11 42	2 49	14 50	1 55	18 26	1 23	24 5	0 29	4 28	2 52	20 57	0 2	15 12	1 18	28 23	4 38	23 23	23 24	25 5		n.a.
T 29	0s10	23 52	3 5	12 6	2 51	14 44	1 47	18 16	1 24	24 6	0 29	4 30	2 52	20 57	0 2	15 13	1 18	28 23	4 38	23 23	23 24	25 5		n.a.
F 30	0s34	24n57	2n12	12s28	2s53	14n37	1s38	18n 5	1n24	24s 6	0s29	4s32	2s52	20s57	0s 2	15s13	1s18	28s23	4s38	23s23	23s24	25n 5		n.a.

Julian Day Number = 1558034.5, Delta T = 04h26m09s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°15'01, Lahiri = -10°08'01 Julian Calendar 1 Sept. 448 BCE == Greg. Calendar 27 Aug. 448 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

OCTOBER 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 16 31	2♎24'37	25♊45	25♎46	17♌ 3	14♌55	24♐19	25°R 9	2♐28	23°R 5	1♑ 3	9°R42	9♑24	20♊36	n.a.	S 1
S 2	0 20 28	3°24'53	7♋34	26°30	17°53	15°31	24°25	25♓ 4	2°30	23♒ 3	1° 3	9♑42	9°21	20°43	n.a.	S 2
M 3	0 24 24	4°25'12	19°29	27°10	18°44	16° 8	24°33	25° 0	2°32	23° 2	1° 4	9°42	9°18	20°49	n.a.	M 3
T 4	0 28 21	5°25'32	1♌36	27°45	19°36	16°44	24°40	24°55	2°35	23° 1	1° 4	9°41	9°14	20°56	n.a.	T 4
W 5	0 32 17	6°25'55	14° 0	28°13	20°29	17°20	24°47	24°50	2°37	23° 0	1° 5	9°37	9°11	21° 3	n.a.	W 5
T 6	0 36 14	7°26'19	26°45	28°35	21°22	17°57	24°55	24°45	2°40	22°59	1° 5	9°31	9° 8	21° 9	n.a.	T 6
F 7	0 40 10	8°26'46	9♍53	28°50	22°16	18°33	25° 2	24°41	2°42	22°58	1° 6	9°21	9° 5	21°16	n.a.	F 7
S 8	0 44 7	9°27'14	23°24	28°R57	23°11	19° 9	25°10	24°36	2°44	22°57	1° 6	9°10	9° 2	21°23	n.a.	S 8
S 9	0 48 4	10°27'44	7♎18	28°55	24° 6	19°46	25°18	24°32	2°47	22°56	1° 7	8°57	8°59	21°29	n.a.	S 9
M10	0 52 0	11°28'16	21°29	28°44	25° 2	20°22	25°26	24°27	2°49	22°55	1° 7	8°45	8°55	21°36	n.a.	M10
T 11	0 55 57	12°28'50	5♏52	28°23	25°59	20°58	25°35	24°22	2°52	22°54	1° 8	8°33	8°52	21°43	n.a.	T 11
W12	0 59 53	13°29'25	20°20	27°52	26°56	21°34	25°43	24°18	2°55	22°53	1° 8	8°24	8°49	21°49	n.a.	W12
T 13	1 3 50	14°30'02	4♐48	27°10	27°53	22°10	25°52	24°14	2°57	22°52	1° 9	8°19	8°46	21°56	n.a.	T 13
F 14	1 7 46	15°30'40	19°11	26°19	28°52	22°46	26° 0	24° 9	3° 0	22°51	1°10	8°15	8°43	22° 3	n.a.	F 14
S 15	1 11 43	16°31'20	3♑25	25°18	29°50	23°22	26° 9	24° 5	3° 3	22°50	1°11	8°D15	8°39	22° 9	n.a.	S 15
S 16	1 15 39	17°32'01	17°29	24°10	0♍49	23°58	26°18	24° 1	3° 6	22°50	1°11	8°R15	8°36	22°16	n.a.	S 16
M17	1 19 36	18°32'43	1♒22	22°55	1°49	24°34	26°27	23°56	3° 8	22°49	1°12	8°14	8°33	22°22	n.a.	M17
T 18	1 23 33	19°33'26	15° 5	21°35	2°49	25°10	26°36	23°52	3°11	22°48	1°13	8°12	8°30	22°29	n.a.	T 18
W19	1 27 29	20°34'10	28°38	20°13	3°50	25°46	26°46	23°48	3°14	22°47	1°14	8° 7	8°27	22°36	n.a.	W19
T 20	1 31 26	21°34'56	12♓ 0	18°53	4°51	26°22	26°55	23°44	3°17	22°47	1°15	7°59	8°24	22°42	n.a.	T 20
F 21	1 35 22	22°35'43	25°12	17°36	5°52	26°58	27° 5	23°40	3°20	22°46	1°15	7°49	8°20	22°49	n.a.	F 21
S 22	1 39 19	23°36'31	8♈13	16°25	6°54	27°34	27°14	23°36	3°23	22°45	1°16	7°36	8°17	22°56	n.a.	S 22
S 23	1 43 15	24°37'20	21° 1	15°22	7°56	28° 9	27°24	23°33	3°26	22°45	1°17	7°23	8°14	23° 2	n.a.	S 23
M24	1 47 12	25°38'11	3♉35	14°28	8°59	28°45	27°34	23°29	3°29	22°44	1°18	7°10	8°11	23° 9	n.a.	M24
T 25	1 51 8	26°39'03	15°57	13°46	10° 2	29°21	27°44	23°25	3°32	22°44	1°19	6°59	8° 8	23°16	n.a.	T 25
W26	1 55 5	27°39'56	28° 6	13°15	11° 5	29°56	27°55	23°22	3°35	22°43	1°20	6°50	8° 5	23°22	n.a.	W26
T 27	1 59 2	28°40'51	10♊ 4	12°56	12° 9	0♍32	28° 5	23°18	3°38	22°43	1°21	6°44	8° 1	23°29	n.a.	T 27
F 28	2 2 58	29°41'48	21°55	12°D49	13°13	1° 7	28°15	23°15	3°41	22°42	1°22	6°40	7°58	23°36	n.a.	F 28
S 29	2 6 55	0♏42'46	3♋41	12°52	14°17	1°43	28°26	23°11	3°44	22°42	1°23	6°D39	7°55	23°42	n.a.	S 29
S 30	2 10 51	1°43'45	15°29	13° 5	15°22	2°18	28°36	23° 8	3°47	22°42	1°24	6°39	7°52	23°49	n.a.	S 30
M31	2 14 48	2♏44'45	27♋22	13♎28	16♍27	2♍53	28♐47	23♓ 5	3♐51	22♒41	1♑25	6°R40	7♑49	23♊56	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s58	24n54	1n13	12s47	2s55	14n30	1s30	17n55	1n25	24s 6	0s29	4s34	2s52	20s58	0s 2	15s13	1s18	28s23	4s38	23s23	23s25	25n 4		n.a.
S 2	1 22	23 43	0 11	13 4	2 55	14 23	1 22	17 44	1 25	24 7	0 29	4 36	2 52	20 58	0 3	15 14	1 18	28 23	4 38	23 23	23 25	25 4		n.a.
M 3	1 47	21 28	0s52	13 19	2 55	14 14	1 14	17 34	1 25	24 7	0 29	4 38	2 52	20 59	0 3	15 14	1 18	28 23	4 38	23 23	23 25	25 3		n.a.
T 4	2 11	18 13	1 53	13 31	2 54	14 6	1 6	17 23	1 26	24 7	0 29	4 40	2 52	20 59	0 3	15 15	1 18	28 23	4 38	23 24	23 25	25 3		n.a.
W 5	2 35	14 7	2 51	13 39	2 52	13 56	0 58	17 12	1 26	24 8	0 29	4 42	2 52	21 0	0 3	15 15	1 18	28 23	4 38	23 24	23 26	25 3		n.a.
T 6	2 59	9 17	3 42	13 44	2 49	13 46	0 50	17 1	1 27	24 8	0 29	4 44	2 51	21 0	0 3	15 15	1 18	28 23	4 38	23 24	23 26	25 2		n.a.
F 7	3 23	3 55	4 22	13 45	2 45	13 36	0 43	16 50	1 27	24 8	0 29	4 45	2 51	21 1	0 3	15 16	1 18	28 23	4 38	23 25	23 26	25 2		n.a.
S 8	3 48	1s46	4 49	13 42	2 39	13 24	0 36	16 39	1 27	24 9	0 29	4 47	2 51	21 1	0 3	15 16	1 18	28 23	4 38	23 26	23 26	25 2		n.a.
S 9	4 12	7 31	5 0	13 35	2 32	13 13	0 28	16 28	1 28	24 9	0 29	4 49	2 51	21 2	0 3	15 16	1 18	28 23	4 38	23 27	23 26	25 1		n.a.
M10	4 36	13 0	4 53	13 23	2 23	13 0	0 21	16 17	1 28	24 9	0 29	4 51	2 51	21 2	0 3	15 16	1 18	28 22	4 38	23 27	23 27	25 1		n.a.
T 11	5 0	17 50	4 27	13 5	2 12	12 48	0 15	16 5	1 29	24 10	0 29	4 52	2 51	21 3	0 3	15 17	1 18	28 22	4 38	23 28	23 27	25 0		n.a.
W12	5 23	21 40	3 44	12 43	2 0	12 34	0 8	15 54	1 29	24 10	0 29	4 54	2 51	21 3	0 3	15 17	1 18	28 22	4 38	23 29	23 27	25 0		n.a.
T 13	5 47	24 6	2 47	12 15	1 46	12 20	0 1	15 43	1 30	24 10	0 29	4 56	2 51	21 4	0 3	15 17	1 18	28 22	4 38	23 29	23 27	24 59		n.a.
F 14	6 11	24 57	1 39	11 41	1 30	12 6	0n 5	15 31	1 30	24 11	0 29	4 57	2 51	21 4	0 3	15 18	1 17	28 22	4 38	23 29	23 28	24 59		n.a.
S 15	6 35	24 8	0 26	11 3	1 13	11 51	0 11	15 19	1 30	24 11	0 29	4 59	2 51	21 5	0 3	15 18	1 17	28 22	4 38	23 29	23 28	24 59		n.a.
S 16	6 58	21 47	0n49	10 20	0 55	11 36	0 17	15 8	1 31	24 11	0 29	5 1	2 50	21 5	0 3	15 18	1 17	28 22	4 37	23 29	23 28	24 58		n.a.
M17	7 22	18 11	1 59	9 33	0 35	11 20	0 23	14 56	1 31	24 11	0 29	5 2	2 50	21 6	0 3	15 18	1 17	28 22	4 37	23 29	23 28	24 58		n.a.
T 18	7 45	13 38	3 2	8 44	0 14	11 3	0 29	14 44	1 32	24 12	0 29	5 4	2 50	21 7	0 3	15 19	1 17	28 22	4 37	23 30	23 28	24 57		n.a.
W19	8 8	8 28	3 53	7 54	0n 6	10 46	0 35	14 32	1 32	24 12	0 29	5 5	2 50	21 7	0 3	15 19	1 17	28 22	4 37	23 30	23 29	24 57		n.a.
T 20	8 31	2 59	4 31	7 4	0 27	10 29	0 40	14 20	1 33	24 12	0 30	5 7	2 50	21 8	0 3	15 19	1 17	28 22	4 37	23 30	23 29	24 56		n.a.
F 21	8 54	2n33	4 54	6 16	0 47	10 11	0 46	14 8	1 33	24 13	0 30	5 8	2 50	21 8	0 3	15 19	1 17	28 22	4 37	23 31	23 29	24 56		n.a.
S 22	9 17	7 54	5 1	5 32	1 5	9 53	0 51	13 56	1 33	24 13	0 30	5 10	2 50	21 9	0 3	15 19	1 17	28 22	4 37	23 32	23 29	24 55		n.a.
S 23	9 40	12 49	4 53	4 51	1 22	9 34	0 56	13 44	1 34	24 13	0 30	5 11	2 49	21 9	0 3	15 20	1 17	28 22	4 37	23 32	23 29	24 55		n.a.
M24	10 2	17 6	4 30	4 17	1 38	9 15	1 1	13 32	1 34	24 13	0 30	5 12	2 49	21 10	0 3	15 20	1 17	28 22	4 37	23 33	23 30	24 54		n.a.
T 25	10 24	20 34	3 55	3 48	1 51	8 55	1 6	13 20	1 35	24 14	0 30	5 14	2 49	21 11	0 3	15 20	1 17	28 22	4 37	23 34	23 30	24 54		n.a.
W26	10 47	23 4	3 10	3 25	2 3	8 35	1 10	13 7	1 35	24 14	0 30	5 15	2 49	21 11	0 3	15 20	1 17	28 22	4 37	23 34	23 30	24 53		n.a.
T 27	11 9	24 30	2 17	3 9	2 12	8 14	1 15	12 55	1 35	24 14	0 30	5 16	2 49	21 12	0 3	15 20	1 17	28 22	4 37	23 35	23 30	24 53		n.a.
F 28	11 31	24 48	1 18	2 59	2 20	7 53	1 19	12 42	1 36	24 14	0 30	5 17	2 48	21 12	0 3	15 20	1 17	28 21	4 37	23 35	23 30	24 52		n.a.
S 29	11 52	23 58	0 16	2 55	2 25	7 32	1 23	12 30	1 36	24 14	0 30	5 18	2 48	21 13	0 3	15 20	1 17	28 21	4 37	23 35	23 31	24 52		n.a.
S 30	12 14	22 4	0s47	2 57	2 29	7 10	1 27	12 17	1 37	24 14	0 30	5 20	2 48	21 14	0 3	15 20	1 17	28 21	4 37	23 35	23 31	24 51		n.a.
M31	12s35	19n11	1s48	3s 3	2n32	6n48	1n31	12n 5	1n37	24s15	0s30	5s21	2s48	21s14	0s 3	15s20	1s17	28s21	4s37	23s35	23s31	24n51		n.a.

Julian Day Number = 1558064.5, Delta T = 04h26m08s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'57, Lahiri = -10°07'57 Julian Calendar 1 Oct. 448 BCE == Greg. Calendar 26 Sept. 448 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

NOVEMBER 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 18 44	3♏45'47	9♌27	13♎59	17♍33	3♍29	28♐58	23°R 2	3♐54	22°R41	1♑27	6°R40	7♑45	24♊ 2	n.a.	T 1
W 2	2 22 41	4°46'50	21°49	14°37	18°38	4° 4	29° 9	22♓59	3°57	22♒41	1°28	6♑38	7°42	24° 9	n.a.	W 2
T 3	2 26 37	5°47'54	4♍32	15°23	19°44	4°39	29°20	22°56	4° 0	22°40	1°29	6°34	7°39	24°16	n.a.	T 3
F 4	2 30 34	6°49'00	17°41	16°14	20°50	5°14	29°31	22°53	4° 4	22°40	1°30	6°28	7°36	24°22	n.a.	F 4
S 5	2 34 31	7°50'07	1♎18	17°10	21°57	5°49	29°42	22°50	4° 7	22°40	1°31	6°20	7°33	24°29	n.a.	S 5
S 6	2 38 27	8°51'14	15°22	18°11	23° 3	6°25	29°54	22°48	4°10	22°40	1°33	6°10	7°30	24°35	n.a.	S 6
M 7	2 42 24	9°52'23	29°49	19°17	24°10	7° 0	0♑ 5	22°45	4°14	22°40	1°34	6° 1	7°26	24°42	n.a.	M 7
T 8	2 46 20	10°53'33	14♏33	20°25	25°17	7°34	0°17	22°43	4°17	22°40	1°35	5°52	7°23	24°49	n.a.	T 8
W 9	2 50 17	11°54'44	29°27	21°36	26°25	8° 9	0°28	22°41	4°20	22°D40	1°37	5°45	7°20	24°55	n.a.	W 9
T 10	2 54 13	12°55'55	14♐22	22°51	27°32	8°44	0°40	22°38	4°24	22°40	1°38	5°41	7°17	25° 2	n.a.	T 10
F 11	2 58 10	13°57'07	29° 8	24° 7	28°40	9°19	0°52	22°36	4°27	22°40	1°39	5°D39	7°14	25° 9	n.a.	F 11
S 12	3 2 6	14°58'19	13♑42	25°25	29°48	9°54	1° 4	22°34	4°31	22°40	1°41	5°39	7°11	25°15	n.a.	S 12
S 13	3 6 3	15°59'32	27°58	26°45	0♎56	10°28	1°16	22°32	4°34	22°40	1°42	5°40	7° 7	25°22	n.a.	S 13
M14	3 10 0	17° 0'45	11♒56	28° 7	2° 5	11° 3	1°28	22°30	4°38	22°40	1°44	5°R41	7° 4	25°29	n.a.	M14
T 15	3 13 56	18° 1'58	25°36	29°29	3°13	11°37	1°40	22°29	4°41	22°40	1°45	5°41	7° 1	25°35	n.a.	T 15
W16	3 17 53	19° 3'11	8♓58	0♏53	4°22	12°12	1°52	22°27	4°45	22°41	1°47	5°39	6°58	25°42	n.a.	W16
T 17	3 21 49	20° 4'24	22° 5	2°18	5°31	12°46	2° 5	22°26	4°48	22°41	1°48	5°34	6°55	25°49	n.a.	T 17
F 18	3 25 46	21° 5'38	4♈58	3°44	6°40	13°21	2°17	22°24	4°52	22°41	1°49	5°28	6°51	25°55	n.a.	F 18
S 19	3 29 42	22° 6'52	17°38	5°10	7°49	13°55	2°29	22°23	4°55	22°42	1°51	5°21	6°48	26° 2	n.a.	S 19
S 20	3 33 39	23° 8'06	0♉ 6	6°37	8°59	14°29	2°42	22°22	4°59	22°42	1°53	5°12	6°45	26° 9	n.a.	S 20
M21	3 37 35	24° 9'20	12°24	8° 5	10° 8	15° 3	2°55	22°21	5° 2	22°42	1°54	5° 4	6°42	26°15	n.a.	M21
T 22	3 41 32	25°10'35	24°32	9°33	11°18	15°37	3° 7	22°20	5° 6	22°43	1°56	4°57	6°39	26°22	n.a.	T 22
W23	3 45 29	26°11'50	6♊32	11° 2	12°28	16°11	3°20	22°19	5° 9	22°43	1°57	4°52	6°36	26°29	n.a.	W23
T 24	3 49 25	27°13'05	18°25	12°31	13°38	16°45	3°33	22°18	5°13	22°44	1°59	4°49	6°32	26°35	n.a.	T 24
F 25	3 53 22	28°14'20	0♋14	14° 1	14°48	17°19	3°46	22°18	5°17	22°44	2° 1	4°D47	6°29	26°42	n.a.	F 25
S 26	3 57 18	29°15'36	12° 0	15°31	15°58	17°53	3°59	22°17	5°20	22°45	2° 2	4°47	6°26	26°48	n.a.	S 26
S 27	4 1 15	0♐16'52	23°48	17° 2	17° 9	18°26	4°12	22°17	5°24	22°45	2° 4	4°48	6°23	26°55	n.a.	S 27
M28	4 5 11	1°18'08	5♌41	18°33	18°19	19° 0	4°25	22°17	5°27	22°46	2° 5	4°50	6°20	27° 2	n.a.	M28
T 29	4 9 8	2°19'24	17°45	20° 4	19°30	19°34	4°38	22°17	5°31	22°47	2° 7	4°52	6°17	27° 8	n.a.	T 29
W30	4 13 5	3♐20'40	0♍ 3	21♏35	20♎41	20♍ 7	4♑51	22°D17	5♐35	22♒47	2♑ 9	4°R53	6♑13	27♊15	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s56	15n27	2s46	3s14	2n33	6n26	1n35	11n52	1n38	24s15	0s30	5s22	2s48	21s15	0s 3	15s21	1s17	28s21	4s37	23s35	23s31	24n50		n.a.
W 2	13 17	11 0	3 37	3 29	2 33	6 3	1 38	11 40	1 38	24 15	0 30	5 23	2 47	21 15	0 3	15 21	1 17	28 21	4 37	23 35	23 31	24 50		n.a.
T 3	13 38	5 57	4 19	3 48	2 32	5 40	1 42	11 27	1 38	24 15	0 30	5 24	2 47	21 16	0 3	15 21	1 17	28 21	4 37	23 35	23 32	24 49		n.a.
F 4	13 58	0 30	4 49	4 10	2 30	5 17	1 45	11 14	1 39	24 15	0 30	5 25	2 47	21 17	0 3	15 21	1 17	28 21	4 37	23 35	23 32	24 48		n.a.
S 5	14 18	5s10	5 4	4 34	2 27	4 53	1 48	11 2	1 39	24 15	0 30	5 25	2 47	21 17	0 3	15 21	1 17	28 21	4 37	23 36	23 32	24 48		n.a.
S 6	14 38	10 45	5 1	5 1	2 23	4 29	1 51	10 49	1 40	24 15	0 30	5 26	2 47	21 18	0 3	15 21	1 17	28 21	4 37	23 36	23 32	24 47		n.a.
M 7	14 58	15 54	4 40	5 30	2 19	4 5	1 54	10 36	1 40	24 15	0 30	5 27	2 46	21 19	0 3	15 21	1 17	28 21	4 37	23 37	23 32	24 47		n.a.
T 8	15 17	20 13	3 59	6 1	2 14	3 40	1 57	10 23	1 40	24 15	0 30	5 28	2 46	21 19	0 3	15 21	1 17	28 21	4 37	23 37	23 32	24 46		n.a.
W 9	15 36	23 15	3 2	6 32	2 9	3 16	1 59	10 10	1 41	24 15	0 30	5 29	2 46	21 20	0 3	15 21	1 17	28 21	4 37	23 37	23 33	24 46		n.a.
T 10	15 55	24 40	1 52	7 5	2 3	2 51	2 2	9 58	1 41	24 15	0 30	5 29	2 46	21 21	0 3	15 21	1 17	28 21	4 37	23 38	23 33	24 45		n.a.
F 11	16 14	24 20	0 35	7 39	1 57	2 26	2 4	9 45	1 42	24 15	0 30	5 30	2 45	21 21	0 3	15 21	1 17	28 21	4 37	23 38	23 33	24 44		n.a.
S 12	16 32	22 19	0n43	8 14	1 51	2 0	2 6	9 32	1 42	24 15	0 30	5 30	2 45	21 22	0 3	15 20	1 17	28 21	4 37	23 38	23 33	24 44		n.a.
S 13	16 50	18 55	1 58	8 49	1 44	1 35	2 8	9 19	1 42	24 15	0 30	5 31	2 45	21 23	0 3	15 20	1 17	28 21	4 37	23 38	23 33	24 43		n.a.
M14	17 8	14 30	3 3	9 25	1 38	1 9	2 10	9 6	1 43	24 15	0 31	5 31	2 45	21 23	0 3	15 20	1 17	28 21	4 36	23 38	23 33	24 42		n.a.
T 15	17 25	9 26	3 57	10 1	1 31	0 43	2 12	8 53	1 43	24 15	0 31	5 32	2 44	21 24	0 3	15 20	1 16	28 21	4 36	23 38	23 34	24 42		n.a.
W16	17 43	4 3	4 36	10 37	1 24	0 17	2 13	8 40	1 44	24 15	0 31	5 32	2 44	21 24	0 3	15 20	1 16	28 21	4 36	23 38	23 34	24 41		n.a.
T 17	17 59	1n24	5 0	11 14	1 17	0s 9	2 15	8 27	1 44	24 15	0 31	5 33	2 44	21 25	0 3	15 20	1 16	28 21	4 36	23 38	23 34	24 41		n.a.
F 18	18 16	6 42	5 9	11 50	1 10	0 36	2 16	8 14	1 45	24 15	0 31	5 33	2 44	21 26	0 3	15 20	1 16	28 21	4 36	23 38	23 34	24 40		n.a.
S 19	18 32	11 38	5 2	12 26	1 2	1 2	2 18	8 1	1 45	24 14	0 31	5 33	2 43	21 26	0 3	15 20	1 16	28 21	4 36	23 38	23 34	24 39		n.a.
S 20	18 48	16 1	4 40	13 2	0 55	1 29	2 19	7 48	1 45	24 14	0 31	5 33	2 43	21 27	0 3	15 20	1 16	28 21	4 36	23 39	23 34	24 39		n.a.
M21	19 3	19 39	4 6	13 38	0 48	1 56	2 20	7 35	1 46	24 14	0 31	5 34	2 43	21 28	0 3	15 19	1 16	28 21	4 36	23 39	23 35	24 38		n.a.
T 22	19 18	22 24	3 21	14 13	0 40	2 22	2 21	7 22	1 46	24 14	0 31	5 34	2 42	21 28	0 3	15 19	1 16	28 21	4 36	23 39	23 35	24 37		n.a.
W23	19 33	24 6	2 28	14 48	0 33	2 49	2 21	7 9	1 47	24 13	0 31	5 34	2 42	21 29	0 3	15 19	1 16	28 21	4 36	23 40	23 35	24 36		n.a.
T 24	19 47	24 42	1 28	15 23	0 26	3 16	2 22	6 56	1 47	24 13	0 31	5 34	2 42	21 30	0 3	15 19	1 16	28 20	4 36	23 40	23 35	24 36		n.a.
F 25	20 1	24 10	0 25	15 57	0 19	3 43	2 22	6 43	1 47	24 13	0 31	5 34	2 42	21 30	0 3	15 19	1 16	28 20	4 36	23 40	23 35	24 35		n.a.
S 26	20 15	22 33	0s39	16 31	0 12	4 10	2 23	6 30	1 48	24 12	0 31	5 34	2 41	21 31	0 3	15 18	1 16	28 20	4 36	23 40	23 35	24 34		n.a.
S 27	20 28	19 57	1 42	17 4	0 5	4 37	2 23	6 17	1 48	24 12	0 31	5 34	2 41	21 32	0 3	15 18	1 16	28 20	4 36	23 40	23 36	24 34		n.a.
M28	20 41	16 29	2 41	17 36	0s 2	5 4	2 23	6 4	1 49	24 12	0 31	5 33	2 41	21 32	0 3	15 18	1 16	28 20	4 36	23 40	23 36	24 33		n.a.
T 29	20 54	12 19	3 34	18 8	0 9	5 31	2 23	5 51	1 49	24 11	0 31	5 33	2 40	21 33	0 3	15 18	1 16	28 20	4 36	23 40	23 36	24 32		n.a.
W30	21s 6	7n34	4s18	18s39	0s16	5s58	2n23	5n38	1n49	24s11	0s31	5s33	2s40	21s34	0s 3	15s17	1s16	28s20	4s36	23s39	23s36	24n31		n.a.

Julian Day Number = 1558095.5, Delta T = 04h26m07s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'53, Lahiri = -10°07'53 Julian Calendar 1 Nov. 448 BCE == Greg. Calendar 27 Oct. 448 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 448 BCE
geocentric

DECEMBER 448 BCE (-447) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 17 1	4♐21'57	12♍42	23♏ 7	21♎52	20♍40	5♑ 4	22♓17	5♐38	22♒48	2♑11	4°R53	6♑10	27♊22	n.a.	T 1
F 2	4 20 58	5°23'14	25°45	24°40	23° 3	21°14	5°18	22°17	5°42	22°49	2°12	4♑51	6° 7	27°28	n.a.	F 2
S 3	4 24 54	6°24'31	9♎15	26°12	24°14	21°47	5°31	22°17	5°45	22°50	2°14	4°48	6° 4	27°35	n.a.	S 3
S 4	4 28 51	7°25'48	23°14	27°45	25°25	22°20	5°44	22°18	5°49	22°51	2°16	4°44	6° 1	27°42	n.a.	S 4
M 5	4 32 47	8°27'05	7♏40	29°19	26°37	22°53	5°58	22°18	5°53	22°51	2°17	4°40	5°57	27°48	n.a.	M 5
T 6	4 36 44	9°28'22	22°29	0♐53	27°48	23°26	6°11	22°19	5°56	22°52	2°19	4°36	5°54	27°55	n.a.	T 6
W 7	4 40 40	10°29'39	7♐34	2°27	28°59	23°59	6°25	22°20	6° 0	22°53	2°21	4°34	5°51	28° 2	n.a.	W 7
T 8	4 44 37	11°30'55	22°45	4° 1	0♏11	24°32	6°38	22°20	6° 3	22°54	2°23	4°32	5°48	28° 8	n.a.	T 8
F 9	4 48 34	12°32'11	7♑54	5°36	1°23	25° 4	6°52	22°22	6° 7	22°55	2°25	4°D32	5°45	28°15	n.a.	F 9
S 10	4 52 30	13°33'27	22°49	7°12	2°34	25°37	7° 6	22°23	6°11	22°56	2°26	4°32	5°42	28°22	n.a.	S 10
S 11	4 56 27	14°34'42	7♒26	8°48	3°46	26° 9	7°19	22°24	6°14	22°57	2°28	4°34	5°38	28°28	n.a.	S 11
M12	5 0 23	15°35'55	21°40	10°24	4°58	26°42	7°33	22°25	6°18	22°58	2°30	4°35	5°35	28°35	n.a.	M12
T 13	5 4 20	16°37'08	5♓29	12° 1	6°10	27°14	7°47	22°27	6°21	23° 0	2°32	4°36	5°32	28°41	n.a.	T 13
W14	5 8 16	17°38'20	18°54	13°38	7°22	27°46	8° 1	22°28	6°25	23° 1	2°34	4°R36	5°29	28°48	n.a.	W14
T 15	5 12 13	18°39'31	1♈57	15°16	8°34	28°18	8°15	22°30	6°29	23° 2	2°36	4°36	5°26	28°55	n.a.	T 15
F 16	5 16 10	19°40'41	14°41	16°54	9°46	28°50	8°29	22°32	6°32	23° 3	2°37	4°35	5°23	29° 1	n.a.	F 16
S 17	5 20 6	20°41'51	27° 9	18°33	10°59	29°21	8°43	22°34	6°36	23° 4	2°39	4°33	5°19	29° 8	n.a.	S 17
S 18	5 24 3	21°42'59	9♉24	20°12	12°11	29°53	8°57	22°36	6°39	23° 6	2°41	4°31	5°16	29°15	n.a.	S 18
M19	5 27 59	22°44'06	21°28	21°52	13°23	0♎25	9°11	22°38	6°43	23° 7	2°43	4°29	5°13	29°21	n.a.	M19
T 20	5 31 56	23°45'12	3♊25	23°33	14°36	0°56	9°25	22°40	6°46	23° 8	2°45	4°27	5°10	29°28	n.a.	T 20
W21	5 35 52	24°46'18	15°17	25°14	15°48	1°27	9°39	22°42	6°50	23°10	2°47	4°26	5° 7	29°35	n.a.	W21
T 22	5 39 49	25°47'22	27° 6	26°56	17° 1	1°59	9°53	22°45	6°53	23°11	2°49	4°26	5° 3	29°41	n.a.	T 22
F 23	5 43 45	26°48'26	8♋53	28°38	18°13	2°30	10° 7	22°47	6°57	23°13	2°51	4°D26	5° 0	29°48	n.a.	F 23
S 24	5 47 42	27°49'28	20°42	0♑21	19°26	3° 0	10°21	22°50	7° 0	23°14	2°52	4°26	4°57	29°55	n.a.	S 24
S 25	5 51 39	28°50'30	2♌34	2° 4	20°38	3°31	10°35	22°53	7° 3	23°15	2°54	4°26	4°54	0♋ 1	n.a.	S 25
M26	5 55 35	29°51'31	14°33	3°48	21°51	4° 2	10°49	22°55	7° 7	23°17	2°56	4°27	4°51	0° 8	n.a.	M26
T 27	5 59 32	0♑52'30	26°41	5°33	23° 4	4°32	11° 4	22°58	7°10	23°19	2°58	4°28	4°48	0°15	n.a.	T 27
W28	6 3 28	1°53'29	9♍ 1	7°18	24°17	5° 3	11°18	23° 2	7°14	23°20	3° 0	4°28	4°44	0°21	n.a.	W28
T 29	6 7 25	2°54'27	21°38	9° 3	25°29	5°33	11°32	23° 5	7°17	23°22	3° 2	4°28	4°41	0°28	n.a.	T 29
F 30	6 11 21	3°55'24	4♎36	10°49	26°42	6° 3	11°46	23° 8	7°20	23°23	3° 4	4°28	4°38	0°34	n.a.	F 30
S 31	6 15 18	4♑56'20	17♎56	12♑36	27♏55	6♎33	12♑ 1	23♓11	7♐24	23♒25	3♑ 6	4♑28	4♑35	0♋41	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21s17	2n24	4s51	19s10	0s23	6s25	2n23	5n25	1n50	24s10	0s31	5s33	2s40	21s34	0s 3	15s17	1s16	28s20	4s37	23s39	23s36	24n31			n.a.
F 2	21 29	3s 1	5 10	19 39	0 29	6 52	2 23	5 12	1 50	24 10	0 32	5 32	2 40	21 35	0 3	15 17	1 16	28 20	4 37	23 40	23 36	24 30			n.a.
S 3	21 40	8 30	5 13	20 8	0 36	7 19	2 22	4 59	1 51	24 10	0 32	5 32	2 39	21 36	0 3	15 17	1 16	28 20	4 37	23 40	23 37	24 29			n.a.
S 4	21 50	13 44	4 58	20 36	0 42	7 45	2 22	4 46	1 51	24 9	0 32	5 32	2 39	21 36	0 3	15 16	1 16	28 20	4 37	23 40	23 37	24 29			n.a.
M 5	22 0	18 24	4 24	21 3	0 48	8 12	2 21	4 34	1 51	24 8	0 32	5 31	2 39	21 37	0 3	15 16	1 16	28 20	4 37	23 40	23 37	24 28			n.a.
T 6	22 10	22 2	3 31	21 29	0 54	8 38	2 21	4 21	1 52	24 8	0 32	5 30	2 38	21 38	0 3	15 16	1 16	28 20	4 37	23 40	23 37	24 27			n.a.
W 7	22 19	24 13	2 23	21 54	1 0	9 5	2 20	4 8	1 52	24 7	0 32	5 30	2 38	21 38	0 3	15 15	1 16	28 20	4 37	23 40	23 37	24 26			n.a.
T 8	22 27	24 37	1 5	22 18	1 6	9 31	2 19	3 55	1 53	24 7	0 32	5 29	2 38	21 39	0 3	15 15	1 16	28 20	4 37	23 40	23 37	24 25			n.a.
F 9	22 36	23 12	0n19	22 41	1 11	9 57	2 18	3 42	1 53	24 6	0 32	5 29	2 38	21 39	0 3	15 15	1 16	28 20	4 37	23 40	23 37	24 25			n.a.
S 10	22 43	20 9	1 39	23 3	1 16	10 23	2 17	3 30	1 53	24 5	0 32	5 28	2 37	21 40	0 3	15 14	1 16	28 20	4 37	23 40	23 38	24 24			n.a.
S 11	22 51	15 53	2 52	23 23	1 21	10 49	2 16	3 17	1 54	24 5	0 32	5 27	2 37	21 41	0 3	15 14	1 16	28 20	4 37	23 40	23 38	24 23			n.a.
M12	22 58	10 48	3 52	23 43	1 26	11 14	2 14	3 4	1 54	24 4	0 32	5 26	2 37	21 41	0 3	15 13	1 16	28 20	4 37	23 40	23 38	24 22			n.a.
T 13	23 4	5 20	4 37	24 1	1 30	11 39	2 13	2 52	1 55	24 3	0 32	5 26	2 36	21 42	0 3	15 13	1 16	28 20	4 37	23 40	23 38	24 21			n.a.
W14	23 10	0n13	5 5	24 18	1 35	12 5	2 12	2 39	1 55	24 2	0 32	5 25	2 36	21 43	0 3	15 13	1 16	28 20	4 37	23 40	23 38	24 21			n.a.
T 15	23 15	5 37	5 16	24 34	1 39	12 29	2 10	2 27	1 55	24 2	0 32	5 24	2 36	21 43	0 3	15 12	1 15	28 20	4 37	23 40	23 38	24 20			n.a.
F 16	23 21	10 38	5 12	24 48	1 43	12 54	2 9	2 14	1 56	24 1	0 32	5 23	2 36	21 44	0 3	15 12	1 15	28 20	4 37	23 40	23 38	24 19			n.a.
S 17	23 25	15 7	4 52	25 1	1 46	13 18	2 7	2 2	1 56	24 0	0 32	5 22	2 35	21 45	0 3	15 11	1 15	28 20	4 37	23 40	23 38	24 18			n.a.
S 18	23 29	18 54	4 20	25 12	1 49	13 42	2 5	1 49	1 56	23 59	0 33	5 21	2 35	21 45	0 3	15 11	1 15	28 20	4 37	23 40	23 39	24 17			n.a.
M19	23 33	21 50	3 37	25 22	1 52	14 6	2 3	1 37	1 57	23 58	0 33	5 20	2 35	21 46	0 3	15 10	1 15	28 20	4 37	23 40	23 39	24 16			n.a.
T 20	23 36	23 47	2 44	25 30	1 55	14 30	2 1	1 25	1 57	23 57	0 33	5 18	2 34	21 46	0 3	15 10	1 15	28 20	4 37	23 40	23 39	24 16			n.a.
W21	23 39	24 39	1 44	25 37	1 57	14 53	1 59	1 12	1 58	23 56	0 33	5 17	2 34	21 47	0 3	15 9	1 15	28 20	4 37	23 40	23 39	24 15			n.a.
T 22	23 41	24 24	0 41	25 41	1 59	15 15	1 57	1 0	1 58	23 55	0 33	5 16	2 34	21 48	0 3	15 9	1 15	28 20	4 37	23 40	23 39	24 14			n.a.
F 23	23 43	23 2	0s25	25 45	2 0	15 38	1 55	0 48	1 58	23 54	0 33	5 15	2 34	21 48	0 3	15 8	1 15	28 20	4 37	23 40	23 39	24 13			n.a.
S 24	23 44	20 40	1 29	25 46	2 1	16 0	1 53	0 36	1 59	23 53	0 33	5 13	2 33	21 49	0 3	15 8	1 15	28 20	4 37	23 40	23 39	24 12			n.a.
S 25	23 45	17 24	2 30	25 46	2 2	16 22	1 51	0 24	1 59	23 52	0 33	5 12	2 33	21 49	0 3	15 7	1 15	28 20	4 37	23 40	23 39	24 11			n.a.
M26	23 45	13 25	3 25	25 44	2 2	16 43	1 49	0 12	1 59	23 51	0 33	5 11	2 33	21 50	0 3	15 7	1 15	28 20	4 38	23 40	23 40	24 10			n.a.
T 27	23 45	8 50	4 12	25 40	2 2	17 4	1 46	0 0	2 0	23 50	0 33	5 9	2 33	21 51	0 3	15 6	1 15	28 21	4 38	23 40	23 40	24 10			n.a.
W28	23 44	3 51	4 47	25 34	2 1	17 24	1 44	0s12	2 0	23 49	0 33	5 8	2 32	21 51	0 3	15 6	1 15	28 21	4 38	23 40	23 40	24 9			n.a.
T 29	23 43	1s23	5 10	25 26	2 0	17 45	1 41	0 24	2 1	23 48	0 33	5 6	2 32	21 52	0 3	15 5	1 15	28 21	4 38	23 40	23 40	24 8			n.a.
F 30	23 41	6 42	5 18	25 16	1 58	18 4	1 39	0 35	2 1	23 47	0 34	5 5	2 32	21 52	0 3	15 5	1 15	28 21	4 38	23 40	23 40	24 7			n.a.
S 31	23s39	11s53	5s 9	25s 4	1s56	18s23	1n36	0s47	2n 1	23s45	0s34	5s 3	2s31	21s53	0s 3	15s 4	1s15	28s21	4s38	23s40	23s40	24n 6			n.a.

Julian Day Number = 1558125.5, Delta T = 04h26m06s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'49, Lahiri = -10°07'48 Julian Calendar 1 Dec. 448 BCE == Greg. Calendar 26 Nov. 448 BCE

The year -447 astronomical counting style corresponds to year 448 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

JANUARY 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 19 14	5♑57'15	1♏43	14♑22	29♏ 8	7♎ 3	12♑15	23♓15	7♐27	23♒27	3♑ 8	4♑28	4♑32	0♋48	n.a.	S 1
M 2	6 23 11	6°58'10	15°55	16° 9	0♐21	7°32	12°29	23°18	7°30	23°28	3° 9	4°28	4°29	0°54	n.a.	M 2
T 3	6 27 8	7°59'03	0♐31	17°55	1°34	8° 2	12°43	23°22	7°33	23°30	3°11	4°29	4°25	1° 1	n.a.	T 3
W 4	6 31 4	8°59'55	15°28	19°42	2°47	8°31	12°58	23°26	7°37	23°32	3°13	4°29	4°22	1° 8	n.a.	W 4
T 5	6 35 1	10° 0'46	0♑37	21°28	4° 0	9° 0	13°12	23°30	7°40	23°33	3°15	4°R29	4°19	1°14	n.a.	T 5
F 6	6 38 57	11° 1'36	15°50	23°14	5°13	9°29	13°26	23°34	7°43	23°35	3°17	4°29	4°16	1°21	n.a.	F 6
S 7	6 42 54	12° 2'24	0♒57	24°59	6°26	9°58	13°41	23°38	7°46	23°37	3°19	4°29	4°13	1°28	n.a.	S 7
S 8	6 46 50	13° 3'10	15°49	26°42	7°39	10°26	13°55	23°42	7°49	23°39	3°21	4°28	4° 9	1°34	n.a.	S 8
M 9	6 50 47	14° 3'55	0♓19	28°25	8°53	10°55	14° 9	23°46	7°52	23°41	3°23	4°27	4° 6	1°41	n.a.	M 9
T 10	6 54 44	15° 4'38	14°23	0♒ 5	10° 6	11°23	14°24	23°50	7°55	23°42	3°25	4°25	4° 3	1°48	n.a.	T 10
W11	6 58 40	16° 5'19	27°59	1°43	11°19	11°51	14°38	23°55	7°58	23°44	3°26	4°24	4° 0	1°54	n.a.	W11
T 12	7 2 37	17° 5'58	11♈ 7	3°18	12°32	12°19	14°52	23°59	8° 1	23°46	3°28	4°D24	3°57	2° 1	n.a.	T 12
F 13	7 6 33	18° 6'35	23°52	4°50	13°45	12°46	15° 7	24° 4	8° 4	23°48	3°30	4°24	3°54	2° 7	n.a.	F 13
S 14	7 10 30	19° 7'10	6♉17	6°18	14°59	13°13	15°21	24° 8	8° 7	23°50	3°32	4°24	3°50	2°14	n.a.	S 14
S 15	7 14 26	20° 7'44	18°26	7°41	16°12	13°41	15°35	24°13	8°10	23°52	3°34	4°26	3°47	2°21	n.a.	S 15
M16	7 18 23	21° 8'15	0♊24	8°59	17°25	14° 8	15°50	24°18	8°13	23°54	3°36	4°27	3°44	2°27	n.a.	M16
T 17	7 22 19	22° 8'45	12°15	10°11	18°38	14°34	16° 4	24°23	8°16	23°56	3°37	4°29	3°41	2°34	n.a.	T 17
W18	7 26 16	23° 9'13	24° 2	11°16	19°52	15° 1	16°18	24°28	8°19	23°58	3°39	4°30	3°38	2°41	n.a.	W18
T 19	7 30 13	24° 9'39	5♋49	12°14	21° 5	15°27	16°32	24°33	8°22	24° 0	3°41	4°R30	3°35	2°47	n.a.	T 19
F 20	7 34 9	25°10'03	17°39	13° 4	22°18	15°53	16°47	24°38	8°24	24° 2	3°43	4°29	3°31	2°54	n.a.	F 20
S 21	7 38 6	26°10'25	29°33	13°45	23°32	16°19	17° 1	24°43	8°27	24° 4	3°45	4°28	3°28	3° 1	n.a.	S 21
S 22	7 42 2	27°10'45	11♌34	14°17	24°45	16°44	17°15	24°49	8°30	24° 6	3°46	4°25	3°25	3° 7	n.a.	S 22
M23	7 45 59	28°11'04	23°44	14°40	25°58	17°10	17°29	24°54	8°32	24° 8	3°48	4°21	3°22	3°14	n.a.	M23
T 24	7 49 55	29°11'21	6♍ 3	14°53	27°12	17°35	17°44	25° 0	8°35	24°10	3°50	4°17	3°19	3°21	n.a.	T 24
W25	7 53 52	0♒11'36	18°34	14°R56	28°25	18° 0	17°58	25° 5	8°38	24°12	3°52	4°13	3°15	3°27	n.a.	W25
T 26	7 57 48	1°11'49	1♎19	14°50	29°39	18°24	18°12	25°11	8°40	24°15	3°53	4° 9	3°12	3°34	n.a.	T 26
F 27	8 1 45	2°12'01	14°19	14°34	0♑52	18°48	18°26	25°16	8°43	24°17	3°55	4° 6	3° 9	3°41	n.a.	F 27
S 28	8 5 41	3°12'11	27°37	14° 9	2° 6	19°12	18°40	25°22	8°45	24°19	3°57	4°D 5	3° 6	3°47	n.a.	S 28
S 29	8 9 38	4°12'19	11♏14	13°36	3°19	19°36	18°54	25°28	8°48	24°21	3°58	4° 5	3° 3	3°54	n.a.	S 29
M30	8 13 35	5°12'26	25°12	12°55	4°32	19°59	19° 8	25°34	8°50	24°23	4° 0	4° 6	3° 0	4° 0	n.a.	M30
T 31	8 17 31	6♒12'31	9♐29	12♒ 7	5♑46	20♎22	19♑22	25♓40	8♐52	24♒25	4♑ 2	4♑ 8	2♑56	4♋ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23s37	16s38	4s43	24s50	1s53	18s42	1n34	0s58	2n 2	23s44	0s34	5s 1	2s31	21s53	0s 3	15s 4	1s15	28s21	4s38	23s40	23s40	24n 5			n.a.
M 2	23 34	20 37	3 59	24 34	1 49	19 0	1 31	1 10	2 2	23 43	0 34	5 0	2 31	21 54	0 3	15 3	1 15	28 21	4 38	23 40	23 40	24 4			n.a.
T 3	23 30	23 25	2 58	24 16	1 45	19 18	1 28	1 21	2 2	23 42	0 34	4 58	2 31	21 54	0 3	15 2	1 15	28 21	4 38	23 40	23 40	24 3			n.a.
W 4	23 26	24 40	1 44	23 56	1 40	19 35	1 26	1 33	2 3	23 40	0 34	4 56	2 30	21 55	0 3	15 2	1 15	28 21	4 38	23 40	23 41	24 2			n.a.
T 5	23 22	24 6	0 21	23 34	1 34	19 52	1 23	1 44	2 3	23 39	0 34	4 54	2 30	21 56	0 3	15 1	1 15	28 21	4 38	23 40	23 41	24 1			n.a.
F 6	23 17	21 45	1n 3	23 10	1 28	20 8	1 20	1 55	2 3	23 38	0 34	4 53	2 30	21 56	0 3	15 1	1 15	28 21	4 38	23 40	23 41	24 0			n.a.
S 7	23 12	17 54	2 22	22 44	1 21	20 24	1 17	2 6	2 4	23 36	0 34	4 51	2 30	21 57	0 3	15 0	1 15	28 21	4 39	23 40	23 41	23 59			n.a.
S 8	23 6	12 57	3 30	22 17	1 13	20 39	1 14	2 17	2 4	23 35	0 34	4 49	2 29	21 57	0 3	14 59	1 15	28 21	4 39	23 40	23 41	23 58			n.a.
M 9	23 0	7 24	4 23	21 48	1 4	20 53	1 12	2 28	2 4	23 33	0 34	4 47	2 29	21 58	0 3	14 59	1 15	28 21	4 39	23 40	23 41	23 57			n.a.
T 10	22 53	1 39	4 58	21 17	0 55	21 7	1 9	2 39	2 5	23 32	0 35	4 45	2 29	21 58	0 3	14 58	1 15	28 21	4 39	23 40	23 41	23 56			n.a.
W11	22 46	4n 0	5 15	20 45	0 44	21 21	1 6	2 50	2 5	23 30	0 35	4 43	2 29	21 59	0 3	14 57	1 15	28 21	4 39	23 40	23 41	23 55			n.a.
T 12	22 38	9 17	5 15	20 13	0 33	21 33	1 3	3 1	2 5	23 29	0 35	4 41	2 28	21 59	0 3	14 57	1 15	28 21	4 39	23 41	23 41	23 54			n.a.
F 13	22 30	14 0	4 59	19 39	0 21	21 45	1 0	3 11	2 5	23 27	0 35	4 39	2 28	22 0	0 3	14 56	1 15	28 21	4 39	23 41	23 41	23 53			n.a.
S 14	22 22	18 1	4 30	19 5	0 9	21 57	0 57	3 22	2 6	23 26	0 35	4 37	2 28	22 0	0 3	14 55	1 15	28 21	4 39	23 40	23 42	23 52			n.a.
S 15	22 13	21 12	3 49	18 31	0n 5	22 8	0 54	3 32	2 6	23 24	0 35	4 35	2 28	22 1	0 3	14 55	1 15	28 21	4 39	23 40	23 42	23 51			n.a.
M16	22 4	23 24	2 58	17 57	0 19	22 18	0 51	3 42	2 6	23 23	0 35	4 33	2 27	22 1	0 3	14 54	1 15	28 21	4 40	23 40	23 42	23 50			n.a.
T 17	21 54	24 32	2 0	17 23	0 33	22 28	0 48	3 52	2 7	23 21	0 35	4 30	2 27	22 2	0 3	14 53	1 15	28 21	4 40	23 40	23 42	23 49			n.a.
W18	21 44	24 34	0 58	16 51	0 49	22 37	0 45	4 3	2 7	23 19	0 35	4 28	2 27	22 2	0 3	14 53	1 15	28 22	4 40	23 40	23 42	23 48			n.a.
T 19	21 34	23 30	0s 7	16 19	1 4	22 45	0 42	4 12	2 7	23 18	0 35	4 26	2 27	22 2	0 3	14 52	1 15	28 22	4 40	23 40	23 42	23 47			n.a.
F 20	21 23	21 23	1 12	15 50	1 20	22 53	0 39	4 22	2 7	23 16	0 36	4 24	2 27	22 3	0 3	14 51	1 15	28 22	4 40	23 40	23 42	23 46			n.a.
S 21	21 11	18 20	2 14	15 23	1 36	23 0	0 36	4 32	2 8	23 14	0 36	4 21	2 26	22 3	0 3	14 51	1 15	28 22	4 40	23 40	23 42	23 45			n.a.
S 22	21 0	14 29	3 10	14 58	1 52	23 6	0 32	4 42	2 8	23 13	0 36	4 19	2 26	22 4	0 4	14 50	1 15	28 22	4 40	23 40	23 42	23 44			n.a.
M23	20 48	10 2	3 59	14 36	2 8	23 12	0 29	4 51	2 8	23 11	0 36	4 17	2 26	22 4	0 4	14 49	1 15	28 22	4 40	23 41	23 42	23 43			n.a.
T 24	20 35	5 7	4 37	14 17	2 24	23 17	0 26	5 1	2 8	23 9	0 36	4 14	2 26	22 5	0 4	14 48	1 15	28 22	4 40	23 41	23 42	23 42			n.a.
W25	20 22	0s 3	5 2	14 2	2 39	23 21	0 23	5 10	2 9	23 7	0 36	4 12	2 25	22 5	0 4	14 48	1 15	28 22	4 41	23 41	23 43	23 41			n.a.
T 26	20 9	5 19	5 14	13 50	2 53	23 25	0 20	5 19	2 9	23 6	0 36	4 9	2 25	22 6	0 4	14 47	1 15	28 22	4 41	23 41	23 43	23 40			n.a.
F 27	19 56	10 27	5 9	13 43	3 6	23 28	0 17	5 28	2 9	23 4	0 36	4 7	2 25	22 6	0 4	14 46	1 15	28 22	4 41	23 41	23 43	23 39			n.a.
S 28	19 42	15 14	4 48	13 38	3 18	23 30	0 14	5 37	2 9	23 2	0 36	4 4	2 25	22 6	0 4	14 46	1 15	28 22	4 41	23 41	23 43	23 38			n.a.
S 29	19 27	19 21	4 11	13 38	3 28	23 31	0 11	5 46	2 9	23 0	0 37	4 2	2 25	22 7	0 4	14 45	1 15	28 22	4 41	23 41	23 43	23 37			n.a.
M30	19 13	22 30	3 17	13 41	3 37	23 32	0 8	5 55	2 9	22 58	0 37	3 59	2 24	22 7	0 4	14 44	1 15	28 22	4 41	23 41	23 43	23 36			n.a.
T 31	18s58	24s19	2s11	13s48	3n44	23s32	0n 5	6s 4	2n10	22s56	0s37	3s57	2s24	22s 7	0s 4	14s43	1s15	28s23	4s41	23s41	23s43	23n35			n.a.

Julian Day Number = 1558156.5, Delta T = 04h26m04s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'45, Lahiri = -10°07'44 Julian Calendar 1 Jan. 447 BCE == Greg. Calendar 27 Dec. 448 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

FEBRUARY 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 21 28	7♒12'34	24♐ 6	11°R15	6♑59	20♎45	19♑36	25♓46	8♐55	24♒27	4♑ 3	4♑ 9	2♑53	4♋14	n.a.	W 1
T 2	8 25 24	8°12'36	8♑57	10♒18	8°13	21° 7	19°50	25°52	8°57	24°30	4° 5	4°R 9	2°50	4°20	n.a.	T 2
F 3	8 29 21	9°12'36	23°56	9°18	9°26	21°30	20° 4	25°58	8°59	24°32	4° 7	4° 8	2°47	4°27	n.a.	F 3
S 4	8 33 17	10°12'33	8♒55	8°18	10°40	21°51	20°18	26° 4	9° 1	24°34	4° 8	4° 5	2°44	4°34	n.a.	S 4
S 5	8 37 14	11°12'29	23°46	7°18	11°53	22°13	20°32	26°11	9° 3	24°36	4°10	4° 0	2°40	4°40	n.a.	S 5
M 6	8 41 10	12°12'22	8♓19	6°19	13° 7	22°34	20°46	26°17	9° 6	24°39	4°11	3°54	2°37	4°47	n.a.	M 6
T 7	8 45 7	13°12'13	22°30	5°23	14°20	22°54	21° 0	26°23	9° 8	24°41	4°13	3°48	2°34	4°54	n.a.	T 7
W 8	8 49 4	14°12'02	6♈14	4°31	15°34	23°15	21°14	26°30	9°10	24°43	4°15	3°42	2°31	5° 0	n.a.	W 8
T 9	8 53 0	15°11'49	19°31	3°43	16°47	23°35	21°27	26°36	9°12	24°45	4°16	3°37	2°28	5° 7	n.a.	T 9
F 10	8 56 57	16°11'33	2♉21	3° 1	18° 1	23°54	21°41	26°43	9°14	24°48	4°18	3°35	2°25	5°14	n.a.	F 10
S 11	9 0 53	17°11'15	14°49	2°24	19°14	24°13	21°55	26°49	9°15	24°50	4°19	3°D33	2°21	5°20	n.a.	S 11
S 12	9 4 50	18°10'54	26°58	1°54	20°28	24°32	22° 8	26°56	9°17	24°52	4°21	3°34	2°18	5°27	n.a.	S 12
M13	9 8 46	19°10'31	8♊55	1°29	21°41	24°51	22°22	27° 3	9°19	24°54	4°22	3°35	2°15	5°34	n.a.	M13
T 14	9 12 43	20°10'06	20°44	1°11	22°55	25° 9	22°35	27° 9	9°21	24°57	4°23	3°37	2°12	5°40	n.a.	T 14
W15	9 16 39	21° 9'38	2♋31	0°59	24° 8	25°26	22°49	27°16	9°22	24°59	4°25	3°R37	2° 9	5°47	n.a.	W15
T 16	9 20 36	22° 9'08	14°19	0°D54	25°22	25°43	23° 2	27°23	9°24	25° 1	4°26	3°37	2° 6	5°53	n.a.	T 16
F 17	9 24 33	23° 8'36	26°12	0°54	26°35	26° 0	23°16	27°30	9°26	25° 3	4°28	3°34	2° 2	6° 0	n.a.	F 17
S 18	9 28 29	24° 8'01	8♌14	1° 0	27°49	26°16	23°29	27°37	9°27	25° 6	4°29	3°29	1°59	6° 7	n.a.	S 18
S 19	9 32 26	25° 7'24	20°27	1°12	29° 2	26°32	23°42	27°44	9°29	25° 8	4°30	3°22	1°56	6°13	n.a.	S 19
M20	9 36 22	26° 6'45	2♍51	1°29	0♒16	26°47	23°56	27°51	9°30	25°10	4°32	3°13	1°53	6°20	n.a.	M20
T 21	9 40 19	27° 6'04	15°28	1°51	1°30	27° 2	24° 9	27°58	9°32	25°12	4°33	3° 3	1°50	6°27	n.a.	T 21
W22	9 44 15	28° 5'20	28°18	2°18	2°43	27°16	24°22	28° 5	9°33	25°15	4°34	2°53	1°46	6°33	n.a.	W22
T 23	9 48 12	29° 4'35	11♎20	2°49	3°57	27°30	24°35	28°12	9°34	25°17	4°35	2°44	1°43	6°40	n.a.	T 23
F 24	9 52 8	0♓ 3'48	24°34	3°24	5°10	27°43	24°48	28°20	9°36	25°19	4°37	2°37	1°40	6°47	n.a.	F 24
S 25	9 56 5	1° 2'58	8♏ 0	4° 4	6°24	27°56	25° 1	28°27	9°37	25°22	4°38	2°32	1°37	6°53	n.a.	S 25
S 26	10 0 1	2° 2'07	21°39	4°47	7°37	28° 8	25°14	28°34	9°38	25°24	4°39	2°30	1°34	7° 0	n.a.	S 26
M27	10 3 58	3° 1'14	5♐31	5°34	8°51	28°20	25°26	28°41	9°39	25°26	4°40	2°D29	1°31	7° 7	n.a.	M27
T 28	10 7 55	4♓ 0'20	19♐35	6♒24	10♒ 4	28♎31	25♑39	28♓49	9♐40	25♒28	4♑41	2♑30	1♑27	7♋13	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s43	24s32	0s55	13s58	3n48	23s31	0n 2	6s12	2n10	22s54	0s37	3s54	2s24	22s 8	0s 4	14s43	1s15	28s23	4s42	23s41	23s43	23n34		n.a.
T 2	18 27	23 0	0n26	14 11	3 51	23 30	0s 1	6 21	2 10	22 52	0 37	3 52	2 24	22 8	0 4	14 42	1 15	28 23	4 42	23 41	23 43	23 32		n.a.
F 3	18 11	19 52	1 46	14 26	3 51	23 28	0 3	6 29	2 10	22 50	0 37	3 49	2 24	22 9	0 4	14 41	1 15	28 23	4 42	23 41	23 43	23 31		n.a.
S 4	17 55	15 24	2 58	14 43	3 50	23 25	0 6	6 37	2 10	22 48	0 37	3 46	2 24	22 9	0 4	14 40	1 15	28 23	4 42	23 41	23 43	23 30		n.a.
S 5	17 38	10 2	3 58	15 2	3 46	23 22	0 9	6 45	2 10	22 46	0 37	3 44	2 23	22 9	0 4	14 40	1 15	28 23	4 42	23 41	23 43	23 29		n.a.
M 6	17 21	4 13	4 41	15 22	3 41	23 18	0 12	6 53	2 10	22 44	0 38	3 41	2 23	22 10	0 4	14 39	1 15	28 23	4 42	23 41	23 43	23 28		n.a.
T 7	17 4	1n39	5 5	15 43	3 34	23 13	0 15	7 0	2 10	22 42	0 38	3 38	2 23	22 10	0 4	14 38	1 15	28 23	4 43	23 42	23 43	23 27		n.a.
W 8	16 47	7 15	5 10	16 4	3 25	23 7	0 18	7 8	2 11	22 40	0 38	3 35	2 23	22 10	0 4	14 37	1 15	28 23	4 43	23 42	23 44	23 26		n.a.
T 9	16 29	12 20	4 59	16 25	3 15	23 1	0 20	7 15	2 11	22 38	0 38	3 33	2 23	22 11	0 4	14 37	1 15	28 23	4 43	23 42	23 44	23 25		n.a.
F 10	16 11	16 42	4 33	16 46	3 3	22 54	0 23	7 22	2 11	22 36	0 38	3 30	2 23	22 11	0 4	14 36	1 15	28 24	4 43	23 42	23 44	23 23		n.a.
S 11	15 53	20 13	3 54	17 6	2 51	22 46	0 26	7 29	2 11	22 34	0 38	3 27	2 22	22 11	0 4	14 35	1 15	28 24	4 43	23 42	23 44	23 22		n.a.
S 12	15 35	22 44	3 6	17 26	2 38	22 38	0 28	7 36	2 11	22 32	0 38	3 24	2 22	22 11	0 4	14 34	1 15	28 24	4 43	23 42	23 44	23 21		n.a.
M13	15 16	24 13	2 10	17 44	2 24	22 29	0 31	7 43	2 11	22 30	0 39	3 21	2 22	22 12	0 4	14 33	1 15	28 24	4 44	23 42	23 44	23 20		n.a.
T 14	14 57	24 34	1 9	18 2	2 10	22 19	0 33	7 50	2 11	22 28	0 39	3 19	2 22	22 12	0 4	14 33	1 15	28 24	4 44	23 42	23 44	23 19		n.a.
W15	14 38	23 50	0 6	18 18	1 56	22 9	0 36	7 56	2 10	22 26	0 39	3 16	2 22	22 12	0 4	14 32	1 15	28 24	4 44	23 42	23 44	23 18		n.a.
T 16	14 18	22 1	0s58	18 33	1 42	21 58	0 38	8 3	2 10	22 24	0 39	3 13	2 22	22 13	0 4	14 31	1 15	28 24	4 44	23 42	23 44	23 16		n.a.
F 17	13 59	19 14	1 59	18 47	1 28	21 47	0 41	8 9	2 10	22 21	0 39	3 10	2 22	22 13	0 4	14 30	1 15	28 24	4 44	23 42	23 44	23 15		n.a.
S 18	13 39	15 37	2 56	19 0	1 14	21 34	0 43	8 15	2 10	22 19	0 39	3 7	2 21	22 13	0 4	14 30	1 15	28 25	4 44	23 42	23 44	23 14		n.a.
S 19	13 19	11 19	3 45	19 11	1 0	21 21	0 46	8 21	2 10	22 17	0 39	3 4	2 21	22 13	0 4	14 29	1 15	28 25	4 45	23 42	23 44	23 13		n.a.
M20	12 59	6 29	4 24	19 20	0 46	21 8	0 48	8 26	2 10	22 15	0 40	3 1	2 21	22 14	0 4	14 28	1 15	28 25	4 45	23 43	23 44	23 12		n.a.
T 21	12 38	1 20	4 51	19 28	0 33	20 54	0 50	8 32	2 10	22 13	0 40	2 58	2 21	22 14	0 4	14 27	1 15	28 25	4 45	23 43	23 44	23 11		n.a.
W22	12 18	3s57	5 5	19 35	0 20	20 39	0 52	8 37	2 10	22 11	0 40	2 55	2 21	22 14	0 4	14 27	1 15	28 25	4 45	23 43	23 44	23 9		n.a.
T 23	11 57	9 9	5 2	19 40	0 8	20 24	0 54	8 43	2 9	22 8	0 40	2 52	2 21	22 14	0 4	14 26	1 15	28 25	4 45	23 43	23 44	23 8		n.a.
F 24	11 36	14 1	4 44	19 43	0s 5	20 8	0 56	8 48	2 9	22 6	0 40	2 49	2 21	22 14	0 4	14 25	1 15	28 25	4 45	23 43	23 44	23 7		n.a.
S 25	11 15	18 17	4 9	19 45	0 16	19 51	0 58	8 52	2 9	22 4	0 40	2 46	2 21	22 15	0 4	14 24	1 15	28 26	4 46	23 43	23 44	23 6		n.a.
S 26	10 53	21 38	3 21	19 46	0 28	19 34	1 0	8 57	2 8	22 2	0 40	2 43	2 20	22 15	0 4	14 24	1 15	28 26	4 46	23 44	23 44	23 4		n.a.
M27	10 32	23 47	2 19	19 44	0 38	19 17	1 2	9 2	2 8	22 0	0 41	2 40	2 20	22 15	0 4	14 23	1 15	28 26	4 46	23 44	23 44	23 3		n.a.
T 28	10s10	24s28	1s 9	19s42	0s49	18s59	1s 4	9s 6	2n 8	21s57	0s41	2s37	2s20	22s15	0s 4	14s22	1s15	28s26	4s46	23s44	23s44	23n 2		n.a.

Julian Day Number = 1558187.5, Delta T = 04h26m03s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'40, Lahiri = -10°07'40 Julian Calendar 1 Feb. 447 BCE == Greg. Calendar 27 Jan. 447 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

MARCH 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 11 51	4♓59'23	3♉52	7♒18	11♒18	28♎42	25♉52	28♓56	9♐41	25♒31	4♉42	2°R30	1♉24	7♋20	n.a.	W 1
T 2	10 15 48	5°58'25	18°20	8°14	12°31	28°52	26° 5	29° 4	9°42	25°33	4°43	2♉29	1°21	7°26	n.a.	T 2
F 3	10 19 44	6°57'24	2♒55	9°13	13°45	29° 1	26°17	29°11	9°43	25°35	4°45	2°26	1°18	7°33	n.a.	F 3
S 4	10 23 41	7°56'22	17°32	10°16	14°58	29°10	26°30	29°18	9°44	25°37	4°46	2°20	1°15	7°40	n.a.	S 4
S 5	10 27 37	8°55'17	2♓ 5	11°20	16°12	29°18	26°42	29°26	9°45	25°39	4°47	2°12	1°12	7°46	n.a.	S 5
M 6	10 31 34	9°54'11	16°26	12°27	17°25	29°25	26°54	29°33	9°46	25°42	4°48	2° 2	1° 8	7°53	n.a.	M 6
T 7	10 35 30	10°53'02	0♈30	13°37	18°39	29°32	27° 7	29°41	9°46	25°44	4°49	1°50	1° 5	8° 0	n.a.	T 7
W 8	10 39 27	11°51'51	14°11	14°49	19°53	29°38	27°19	29°49	9°47	25°46	4°49	1°40	1° 2	8° 6	n.a.	W 8
T 9	10 43 24	12°50'38	27°28	16° 2	21° 6	29°43	27°31	29°56	9°47	25°48	4°50	1°31	0°59	8°13	n.a.	T 9
F 10	10 47 20	13°49'22	10♉20	17°19	22°20	29°48	27°43	0♈ 4	9°48	25°51	4°51	1°24	0°56	8°20	n.a.	F 10
S 11	10 51 17	14°48'04	22°50	18°37	23°33	29°52	27°55	0°11	9°49	25°53	4°52	1°20	0°52	8°26	n.a.	S 11
S 12	10 55 13	15°46'44	5♊ 2	19°57	24°47	29°56	28° 7	0°19	9°49	25°55	4°53	1°18	0°49	8°33	n.a.	S 12
M13	10 59 10	16°45'22	17° 0	21°19	26° 0	29°58	28°19	0°27	9°49	25°57	4°54	1°D17	0°46	8°40	n.a.	M13
T 14	11 3 6	17°43'57	28°50	22°43	27°14	0♏ 0	28°30	0°34	9°50	25°59	4°55	1°R17	0°43	8°46	n.a.	T 14
W15	11 7 3	18°42'30	10♋38	24° 8	28°27	0° 2	28°42	0°42	9°50	26° 1	4°55	1°17	0°40	8°53	n.a.	W15
T 16	11 10 59	19°41'01	22°28	25°36	29°41	0°R 2	28°53	0°50	9°50	26° 3	4°56	1°15	0°37	9° 0	n.a.	T 16
F 17	11 14 56	20°39'29	4♌25	27° 5	0♓54	0° 2	29° 5	0°58	9°51	26° 6	4°57	1°11	0°33	9° 6	n.a.	F 17
S 18	11 18 53	21°37'55	16°34	28°36	2° 8	0° 1	29°16	1° 5	9°51	26° 8	4°58	1° 4	0°30	9°13	n.a.	S 18
S 19	11 22 49	22°36'19	28°58	0♓ 9	3°21	29♎59	29°28	1°13	9°51	26°10	4°58	0°55	0°27	9°19	n.a.	S 19
M20	11 26 46	23°34'41	11♍37	1°44	4°35	29°57	29°39	1°21	9°R51	26°12	4°59	0°44	0°24	9°26	n.a.	M20
T 21	11 30 42	24°33'01	24°33	3°20	5°48	29°54	29°50	1°29	9°51	26°14	4°59	0°31	0°21	9°33	n.a.	T 21
W22	11 34 39	25°31'19	7♎44	4°58	7° 2	29°50	0♒ 1	1°36	9°51	26°16	5° 0	0°18	0°17	9°39	n.a.	W22
T 23	11 38 35	26°29'35	21° 9	6°38	8°15	29°45	0°12	1°44	9°51	26°18	5° 1	0° 7	0°14	9°46	n.a.	T 23
F 24	11 42 32	27°27'49	4♏45	8°20	9°29	29°40	0°22	1°52	9°51	26°20	5° 1	29♐57	0°11	9°53	n.a.	F 24
S 25	11 46 28	28°26'02	18°31	10° 3	10°42	29°34	0°33	2° 0	9°50	26°22	5° 2	29°51	0° 8	9°59	n.a.	S 25
S 26	11 50 25	29°24'13	2♐23	11°48	11°56	29°27	0°44	2° 8	9°50	26°24	5° 2	29°47	0° 5	10° 6	n.a.	S 26
M27	11 54 21	0♈22'22	16°22	13°35	13° 9	29°19	0°54	2°15	9°50	26°26	5° 2	29°45	0° 2	10°13	n.a.	M27
T 28	11 58 18	1°20'30	0♉26	15°23	14°23	29°11	1° 5	2°23	9°49	26°28	5° 3	29°45	29♐58	10°19	n.a.	T 28
W29	12 2 15	2°18'37	14°33	17°13	15°36	29° 2	1°15	2°31	9°49	26°30	5° 3	29°45	29°55	10°26	n.a.	W29
T 30	12 6 11	3°16'41	28°44	19° 5	16°50	28°52	1°25	2°39	9°49	26°32	5° 4	29°43	29°52	10°33	n.a.	T 30
F 31	12 10 8	4♈14'45	12♒57	20♓59	18♓ 3	28♎41	1♒35	2♈47	9♐48	26♒34	5♉ 4	29♐40	29♐49	10♋39	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	9s48	23s34	0n 7	19s38	0s58	18s40	1s 6	9s10	2n 7	21s55	0s41	2s34	2s20	22s15	0s 4	14s21	1s15	28s26	4s46	23s44	23s45	23n 1			n.a.
T 2	9 26	21 6	1 24	19 32	1 8	18 21	1 8	9 14	2 7	21 53	0 41	2 31	2 20	22 16	0 4	14 20	1 15	28 26	4 47	23 44	23 45	22 59			n.a.
F 3	9 4	17 15	2 35	19 24	1 16	18 1	1 9	9 18	2 6	21 51	0 41	2 28	2 20	22 16	0 4	14 20	1 15	28 26	4 47	23 44	23 45	22 58			n.a.
S 4	8 42	12 21	3 36	19 15	1 25	17 41	1 11	9 21	2 6	21 48	0 41	2 25	2 20	22 16	0 4	14 19	1 15	28 27	4 47	23 44	23 45	22 57			n.a.
S 5	8 20	6 47	4 22	19 5	1 33	17 20	1 12	9 25	2 5	21 46	0 42	2 22	2 20	22 16	0 4	14 18	1 15	28 27	4 47	23 44	23 45	22 56			n.a.
M 6	7 57	0 57	4 52	18 53	1 40	16 59	1 14	9 28	2 5	21 44	0 42	2 19	2 20	22 16	0 4	14 18	1 15	28 27	4 47	23 44	23 45	22 54			n.a.
T 7	7 35	4n49	5 3	18 39	1 47	16 37	1 15	9 31	2 4	21 42	0 42	2 15	2 20	22 16	0 4	14 17	1 15	28 27	4 48	23 44	23 45	22 53			n.a.
W 8	7 12	10 11	4 56	18 24	1 53	16 15	1 17	9 34	2 4	21 39	0 42	2 12	2 20	22 16	0 4	14 16	1 15	28 27	4 48	23 44	23 45	22 52			n.a.
T 9	6 49	14 56	4 33	18 7	1 59	15 53	1 18	9 36	2 3	21 37	0 42	2 9	2 19	22 16	0 4	14 15	1 15	28 27	4 48	23 44	23 45	22 51			n.a.
F 10	6 27	18 50	3 56	17 49	2 4	15 30	1 19	9 39	2 2	21 35	0 43	2 6	2 19	22 17	0 4	14 15	1 15	28 28	4 48	23 45	23 45	22 49			n.a.
S 11	6 4	21 46	3 9	17 29	2 9	15 6	1 20	9 41	2 1	21 33	0 43	2 3	2 19	22 17	0 4	14 14	1 15	28 28	4 48	23 45	23 45	22 48			n.a.
S 12	5 41	23 37	2 15	17 7	2 13	14 43	1 21	9 43	2 1	21 30	0 43	2 0	2 19	22 17	0 4	14 13	1 15	28 28	4 49	23 45	23 45	22 47			n.a.
M13	5 18	24 21	1 15	16 44	2 16	14 18	1 22	9 45	2 0	21 28	0 43	1 57	2 19	22 17	0 4	14 12	1 15	28 28	4 49	23 45	23 45	22 45			n.a.
T 14	4 55	23 58	0 13	16 19	2 20	13 54	1 23	9 46	1 59	21 26	0 43	1 53	2 19	22 17	0 4	14 12	1 15	28 28	4 49	23 45	23 45	22 44			n.a.
W15	4 31	22 30	0s49	15 53	2 22	13 29	1 24	9 47	1 58	21 24	0 43	1 50	2 19	22 17	0 4	14 11	1 15	28 28	4 49	23 45	23 45	22 43			n.a.
T 16	4 8	20 3	1 50	15 25	2 24	13 4	1 25	9 49	1 57	21 22	0 44	1 47	2 19	22 17	0 4	14 10	1 15	28 29	4 49	23 45	23 45	22 41			n.a.
F 17	3 45	16 43	2 46	14 55	2 26	12 38	1 26	9 50	1 56	21 19	0 44	1 44	2 19	22 17	0 4	14 10	1 15	28 29	4 50	23 45	23 45	22 40			n.a.
S 18	3 22	12 39	3 36	14 24	2 27	12 12	1 27	9 50	1 55	21 17	0 44	1 41	2 19	22 17	0 4	14 9	1 15	28 29	4 50	23 45	23 45	22 39			n.a.
S 19	2 58	8 0	4 16	13 51	2 28	11 46	1 27	9 51	1 53	21 15	0 44	1 38	2 19	22 17	0 4	14 8	1 15	28 29	4 50	23 45	23 45	22 37			n.a.
M20	2 35	2 55	4 44	13 17	2 28	11 19	1 28	9 51	1 52	21 13	0 44	1 35	2 19	22 17	0 4	14 7	1 15	28 29	4 50	23 45	23 45	22 36			n.a.
T 21	2 12	2s22	4 59	12 41	2 27	10 52	1 28	9 51	1 51	21 11	0 45	1 31	2 19	22 17	0 4	14 7	1 15	28 30	4 51	23 45	23 45	22 35			n.a.
W22	1 48	7 39	4 58	12 4	2 26	10 25	1 29	9 51	1 50	21 8	0 45	1 28	2 19	22 17	0 4	14 6	1 15	28 30	4 51	23 45	23 45	22 33			n.a.
T 23	1 25	12 41	4 41	11 25	2 24	9 57	1 29	9 51	1 48	21 6	0 45	1 25	2 19	22 17	0 4	14 5	1 15	28 30	4 51	23 45	23 45	22 32			n.a.
F 24	1 1	17 9	4 7	10 45	2 22	9 30	1 29	9 50	1 47	21 4	0 45	1 22	2 19	22 17	0 4	14 5	1 15	28 30	4 51	23 45	23 45	22 31			n.a.
S 25	0 38	20 45	3 19	10 3	2 19	9 2	1 30	9 49	1 45	21 2	0 45	1 19	2 19	22 17	0 4	14 4	1 15	28 30	4 51	23 45	23 45	22 29			n.a.
S 26	0 14	23 11	2 19	9 19	2 16	8 34	1 30	9 48	1 44	21 0	0 46	1 16	2 19	22 17	0 4	14 3	1 15	28 30	4 52	23 45	23 45	22 28			n.a.
M27	0n 9	24 12	1 10	8 34	2 12	8 5	1 30	9 47	1 42	20 58	0 46	1 12	2 19	22 17	0 4	14 3	1 15	28 31	4 52	23 45	23 45	22 26			n.a.
T 28	0 32	23 41	0n 4	7 48	2 8	7 36	1 30	9 46	1 40	20 56	0 46	1 9	2 19	22 17	0 4	14 2	1 15	28 31	4 52	23 45	23 45	22 25			n.a.
W29	0 56	21 40	1 18	7 0	2 3	7 8	1 30	9 44	1 39	20 54	0 46	1 6	2 19	22 17	0 4	14 1	1 15	28 31	4 52	23 45	23 45	22 24			n.a.
T 30	1 19	18 17	2 27	6 11	1 58	6 39	1 30	9 42	1 37	20 51	0 47	1 3	2 19	22 17	0 4	14 1	1 15	28 31	4 52	23 45	23 45	22 22			n.a.
F 31	1n43	13s50	3n27	5s20	1s52	6s 9	1s30	9s40	1n35	20s49	0s47	1s 0	2s19	22s17	0s 4	14s 0	1s16	28s31	4s53	23s45	23s45	22n21			n.a.

Julian Day Number = 1558215.5, Delta T = 04h26m02s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'37, Lahiri = -10°07'36 Julian Calendar 1 March 447 BCE == Greg. Calendar 24 Feb. 447 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

APRIL 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 14 4	5♈12'47	27♒ 9	22♓55	19♓17	28°R29	1♒45	2♈55	9°R47	26♒35	5♉ 4	29°R33	29♐46	10♋46	n.a.	S 1
S 2	12 18 1	6°10'47	11♓15	24°52	20°30	28♎17	1°55	3° 2	9♐47	26°37	5° 5	29♐24	29°43	10°53	n.a.	S 2
M 3	12 21 57	7° 8'45	25°13	26°51	21°44	28° 4	2° 5	3°10	9°46	26°39	5° 5	29°13	29°39	10°59	n.a.	M 3
T 4	12 25 54	8° 6'42	8♈56	28°51	22°57	27°51	2°14	3°18	9°46	26°41	5° 5	29° 0	29°36	11° 6	n.a.	T 4
W 5	12 29 50	9° 4'38	22°23	0♈53	24°11	27°37	2°24	3°26	9°45	26°43	5° 5	28°49	29°33	11°12	n.a.	W 5
T 6	12 33 47	10° 2'31	5♉29	2°57	25°24	27°22	2°33	3°34	9°44	26°45	5° 5	28°38	29°30	11°19	n.a.	T 6
F 7	12 37 44	11° 0'23	18°16	5° 2	26°38	27° 6	2°42	3°41	9°43	26°46	5° 6	28°30	29°27	11°26	n.a.	F 7
S 8	12 41 40	11°58'13	0♊43	7° 9	27°51	26°50	2°51	3°49	9°42	26°48	5° 6	28°25	29°23	11°32	n.a.	S 8
S 9	12 45 37	12°56'02	12°54	9°17	29° 4	26°34	3° 0	3°57	9°41	26°50	5° 6	28°22	29°20	11°39	n.a.	S 9
M10	12 49 33	13°53'48	24°52	11°25	0♈18	26°17	3° 9	4° 5	9°40	26°51	5° 6	28°D21	29°17	11°46	n.a.	M10
T 11	12 53 30	14°51'33	6♋43	13°35	1°31	25°59	3°18	4°13	9°39	26°53	5° 6	28°21	29°14	11°52	n.a.	T 11
W12	12 57 26	15°49'16	18°31	15°45	2°45	25°41	3°27	4°20	9°38	26°55	5°R 6	28°R21	29°11	11°59	n.a.	W12
T 13	13 1 23	16°46'58	0♌23	17°56	3°58	25°22	3°35	4°28	9°37	26°56	5° 6	28°20	29° 8	12° 6	n.a.	T 13
F 14	13 5 19	17°44'37	12°23	20° 7	5°12	25° 3	3°43	4°36	9°36	26°58	5° 6	28°18	29° 4	12°12	n.a.	F 14
S 15	13 9 16	18°42'15	24°36	22°18	6°25	24°44	3°52	4°43	9°35	27° 0	5° 6	28°13	29° 1	12°19	n.a.	S 15
S 16	13 13 12	19°39'51	7♍ 6	24°28	7°39	24°25	4° 0	4°51	9°34	27° 1	5° 6	28° 5	28°58	12°26	n.a.	S 16
M17	13 17 9	20°37'26	19°56	26°38	8°52	24° 5	4° 8	4°59	9°32	27° 3	5° 5	27°56	28°55	12°32	n.a.	M17
T 18	13 21 6	21°34'59	3♎ 7	28°47	10° 6	23°45	4°16	5° 6	9°31	27° 4	5° 5	27°45	28°52	12°39	n.a.	T 18
W19	13 25 2	22°32'30	16°37	0♏54	11°19	23°25	4°23	5°14	9°30	27° 6	5° 5	27°34	28°49	12°46	n.a.	W19
T 20	13 28 59	23°30'01	0♏25	3° 0	12°33	23° 4	4°31	5°21	9°28	27° 7	5° 5	27°25	28°45	12°52	n.a.	T 20
F 21	13 32 55	24°27'30	14°26	5° 5	13°46	22°44	4°38	5°29	9°27	27° 9	5° 5	27°17	28°42	12°59	n.a.	F 21
S 22	13 36 52	25°24'58	28°37	7° 7	15° 0	22°23	4°45	5°37	9°25	27°10	5° 4	27°11	28°39	13° 5	n.a.	S 22
S 23	13 40 48	26°22'25	12♐52	9° 8	16°13	22° 2	4°52	5°44	9°24	27°11	5° 4	27° 8	28°36	13°12	n.a.	S 23
M24	13 44 45	27°19'52	27° 8	11° 6	17°27	21°42	4°59	5°52	9°22	27°13	5° 4	27°D 8	28°33	13°19	n.a.	M24
T 25	13 48 41	28°17'17	11♑23	13° 2	18°40	21°21	5° 6	5°59	9°21	27°14	5° 3	27° 8	28°29	13°25	n.a.	T 25
W26	13 52 38	29°14'41	25°34	14°55	19°54	21° 1	5°13	6° 6	9°19	27°15	5° 3	27°R 9	28°26	13°32	n.a.	W26
T 27	13 56 35	0♉12'05	9♒39	16°46	21° 7	20°41	5°19	6°14	9°17	27°17	5° 3	27° 8	28°23	13°39	n.a.	T 27
F 28	14 0 31	1° 9'28	23°38	18°34	22°21	20°21	5°26	6°21	9°16	27°18	5° 2	27° 6	28°20	13°45	n.a.	F 28
S 29	14 4 28	2° 6'50	7♓30	20°20	23°34	20° 1	5°32	6°29	9°14	27°19	5° 2	27° 2	28°17	13°52	n.a.	S 29
S 30	14 8 24	3♉ 4'11	21♓12	22♉ 3	24♈48	19♎41	5♒38	6♈36	9♐12	27♒20	5♉ 1	26♐56	28♐14	13♋59	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 6	8s38	4n15	4s28	1s46	5s40	1s29	9s38	1n33	20s47	0s47	0s57	2s19	22s17	0s 4	14s 0	1s16	28s32	4s53	23s45	23s45	22n20		n.a.
S 2	2 29	3 2	4 46	3 34	1 39	5 10	1 29	9 35	1 31	20 45	0 47	0 54	2 19	22 17	0 4	13 59	1 16	28 32	4 53	23 45	23 45	22 18		n.a.
M 3	2 52	2n39	5 0	2 40	1 31	4 41	1 29	9 33	1 29	20 43	0 47	0 50	2 19	22 17	0 4	13 58	1 16	28 32	4 53	23 45	23 45	22 17		n.a.
T 4	3 15	8 7	4 56	1 44	1 23	4 11	1 28	9 30	1 27	20 41	0 48	0 47	2 19	22 16	0 4	13 58	1 16	28 32	4 54	23 45	23 45	22 15		n.a.
W 5	3 39	13 5	4 36	0 47	1 15	3 41	1 28	9 27	1 24	20 39	0 48	0 44	2 19	22 16	0 4	13 57	1 16	28 33	4 54	23 45	23 45	22 14		n.a.
T 6	4 2	17 18	4 2	0n11	1 6	3 11	1 27	9 24	1 22	20 37	0 48	0 41	2 19	22 16	0 4	13 57	1 16	28 33	4 54	23 45	23 45	22 12		n.a.
F 7	4 25	20 37	3 16	1 9	0 57	2 41	1 27	9 20	1 20	20 36	0 48	0 38	2 19	22 16	0 4	13 56	1 16	28 33	4 54	23 44	23 45	22 11		n.a.
S 8	4 47	22 52	2 21	2 9	0 47	2 11	1 26	9 17	1 17	20 34	0 49	0 35	2 19	22 16	0 4	13 55	1 16	28 33	4 54	23 44	23 45	22 10		n.a.
S 9	5 10	23 59	1 21	3 9	0 38	1 40	1 25	9 13	1 15	20 32	0 49	0 32	2 19	22 16	0 4	13 55	1 16	28 33	4 55	23 44	23 45	22 8		n.a.
M10	5 33	23 57	0 19	4 9	0 28	1 10	1 24	9 9	1 12	20 30	0 49	0 29	2 19	22 16	0 4	13 54	1 16	28 34	4 55	23 44	23 45	22 7		n.a.
T 11	5 56	22 50	0s44	5 10	0 17	0 40	1 24	9 5	1 10	20 28	0 49	0 26	2 19	22 16	0 4	13 54	1 16	28 34	4 55	23 44	23 45	22 5		n.a.
W12	6 18	20 43	1 45	6 10	0 7	0 9	1 23	9 1	1 7	20 26	0 49	0 22	2 19	22 15	0 5	13 53	1 16	28 34	4 55	23 44	23 45	22 4		n.a.
T 13	6 41	17 42	2 42	7 11	0n 4	0n21	1 22	8 57	1 4	20 25	0 50	0 19	2 19	22 15	0 5	13 53	1 16	28 34	4 55	23 44	23 45	22 2		n.a.
F 14	7 3	13 55	3 32	8 11	0 14	0 52	1 21	8 52	1 1	20 23	0 50	0 16	2 19	22 15	0 5	13 52	1 16	28 34	4 56	23 44	23 45	22 1		n.a.
S 15	7 25	9 31	4 13	9 10	0 25	1 22	1 19	8 48	0 59	20 21	0 50	0 13	2 19	22 15	0 5	13 52	1 16	28 35	4 56	23 44	23 45	21 59		n.a.
S 16	7 47	4 38	4 43	10 9	0 35	1 53	1 18	8 43	0 56	20 19	0 50	0 10	2 19	22 15	0 5	13 51	1 16	28 35	4 56	23 44	23 45	21 58		n.a.
M17	8 9	0s33	5 0	11 6	0 46	2 23	1 17	8 39	0 53	20 18	0 51	0 7	2 19	22 15	0 5	13 51	1 16	28 35	4 56	23 44	23 45	21 56		n.a.
T 18	8 31	5 51	5 2	12 3	0 56	2 53	1 16	8 34	0 50	20 16	0 51	0 4	2 19	22 14	0 5	13 50	1 16	28 35	4 57	23 44	23 45	21 55		n.a.
W19	8 53	11 1	4 47	12 57	1 5	3 24	1 15	8 29	0 47	20 14	0 51	0 1	2 19	22 14	0 5	13 50	1 16	28 36	4 57	23 44	23 45	21 53		n.a.
T 20	9 14	15 44	4 15	13 50	1 14	3 54	1 13	8 24	0 44	20 13	0 51	0n 2	2 19	22 14	0 5	13 49	1 16	28 36	4 57	23 43	23 45	21 52		n.a.
F 21	9 36	19 40	3 27	14 41	1 23	4 24	1 12	8 19	0 41	20 11	0 52	0 5	2 19	22 14	0 5	13 49	1 16	28 36	4 57	23 43	23 45	21 50		n.a.
S 22	9 57	22 29	2 26	15 30	1 31	4 54	1 10	8 15	0 37	20 10	0 52	0 8	2 19	22 14	0 5	13 48	1 16	28 36	4 57	23 43	23 45	21 49		n.a.
S 23	10 18	23 53	1 16	16 17	1 39	5 24	1 9	8 10	0 34	20 8	0 52	0 11	2 20	22 13	0 5	13 48	1 16	28 36	4 58	23 43	23 45	21 47		n.a.
M24	10 39	23 43	0n 0	17 2	1 46	5 54	1 7	8 5	0 31	20 7	0 53	0 13	2 20	22 13	0 5	13 48	1 16	28 37	4 58	23 43	23 44	21 46		n.a.
T 25	11 0	22 0	1 16	17 44	1 53	6 24	1 6	8 0	0 28	20 5	0 53	0 16	2 20	22 13	0 5	13 47	1 17	28 37	4 58	23 43	23 44	21 44		n.a.
W26	11 21	18 55	2 26	18 24	1 58	6 54	1 4	7 56	0 25	20 4	0 53	0 19	2 20	22 13	0 5	13 47	1 17	28 37	4 58	23 43	23 44	21 43		n.a.
T 27	11 41	14 44	3 27	19 2	2 3	7 23	1 2	7 51	0 21	20 3	0 53	0 22	2 20	22 12	0 5	13 46	1 17	28 37	4 58	23 43	23 44	21 41		n.a.
F 28	12 2	9 48	4 16	19 37	2 8	7 52	1 0	7 46	0 18	20 1	0 54	0 25	2 20	22 12	0 5	13 46	1 17	28 38	4 59	23 43	23 44	21 40		n.a.
S 29	12 22	4 24	4 49	20 10	2 11	8 22	0 59	7 42	0 15	20 0	0 54	0 28	2 20	22 12	0 5	13 46	1 17	28 38	4 59	23 43	23 44	21 38		n.a.
S 30	12n42	1n 8	5n 5	20n40	2n14	8n51	0s57	7s37	0n11	19s59	0s54	0n31	2s20	22s12	0s 5	13s45	1s17	28s38	4s59	23s43	23s44	21n37		n.a.

Julian Day Number = 1558246.5, Delta T = 04h26m01s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'32, Lahiri = -10°07'32 Julian Calendar 1 Apr. 447 BCE == Greg. Calendar 27 March 447 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

MAY 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 12 21	4♉ 1'32	4♈44	23♉42	26♈ 1	19°R22	5♒44	6♈43	9°R10	27♒21	5°R 1	26°R48	28♐10	14♋ 5	n.a.	M 1
T 2	14 16 17	4°58'51	18° 3	25°20	27°15	19♎ 3	5°49	6°50	9♐ 8	27°22	5♑ 0	26♐39	28° 7	14°12	n.a.	T 2
W 3	14 20 14	5°56'10	1♉ 7	26°54	28°28	18°45	5°55	6°58	9° 7	27°24	5° 0	26°30	28° 4	14°19	n.a.	W 3
T 4	14 24 10	6°53'28	13°56	28°25	29°42	18°27	6° 0	7° 5	9° 5	27°25	4°59	26°23	28° 1	14°25	n.a.	T 4
F 5	14 28 7	7°50'46	26°30	29°54	0♉55	18°10	6° 6	7°12	9° 3	27°26	4°59	26°17	27°58	14°32	n.a.	F 5
S 6	14 32 4	8°48'02	8♊48	1♊19	2° 9	17°53	6°11	7°19	9° 1	27°27	4°58	26°13	27°54	14°39	n.a.	S 6
S 7	14 36 0	9°45'17	20°54	2°42	3°23	17°37	6°15	7°26	8°59	27°28	4°57	26°D12	27°51	14°45	n.a.	S 7
M 8	14 39 57	10°42'32	2♋50	4° 1	4°36	17°21	6°20	7°33	8°57	27°29	4°57	26°12	27°48	14°52	n.a.	M 8
T 9	14 43 53	11°39'46	14°40	5°18	5°50	17° 6	6°25	7°40	8°55	27°30	4°56	26°13	27°45	14°59	n.a.	T 9
W10	14 47 50	12°36'58	26°28	6°31	7° 3	16°52	6°29	7°47	8°53	27°30	4°55	26°14	27°42	15° 5	n.a.	W10
T 11	14 51 46	13°34'10	8♌20	7°42	8°17	16°38	6°33	7°54	8°51	27°31	4°55	26°R15	27°39	15°12	n.a.	T 11
F 12	14 55 43	14°31'21	20°20	8°49	9°30	16°25	6°37	8° 1	8°48	27°32	4°54	26°15	27°35	15°19	n.a.	F 12
S 13	14 59 40	15°28'31	2♍34	9°52	10°44	16°13	6°41	8° 8	8°46	27°33	4°53	26°14	27°32	15°25	n.a.	S 13
S 14	15 3 36	16°25'40	15° 6	10°53	11°57	16° 2	6°45	8°14	8°44	27°34	4°52	26°11	27°29	15°32	n.a.	S 14
M15	15 7 33	17°22'48	28° 0	11°50	13°11	15°51	6°48	8°21	8°42	27°34	4°51	26° 6	27°26	15°38	n.a.	M15
T 16	15 11 29	18°19'56	11♎17	12°43	14°25	15°41	6°51	8°28	8°40	27°35	4°51	26° 0	27°23	15°45	n.a.	T 16
W17	15 15 26	19°17'03	24°58	13°33	15°38	15°32	6°55	8°34	8°37	27°36	4°50	25°55	27°20	15°52	n.a.	W17
T 18	15 19 22	20°14'09	9♏ 2	14°19	16°52	15°24	6°57	8°41	8°35	27°36	4°49	25°49	27°16	15°58	n.a.	T 18
F 19	15 23 19	21°11'16	23°24	15° 1	18° 5	15°16	7° 0	8°47	8°33	27°37	4°48	25°45	27°13	16° 5	n.a.	F 19
S 20	15 27 15	22° 8'21	7♐58	15°40	19°19	15°10	7° 3	8°54	8°31	27°38	4°47	25°42	27°10	16°12	n.a.	S 20
S 21	15 31 12	23° 5'27	22°38	16°14	20°33	15° 4	7° 5	9° 0	8°28	27°38	4°46	25°D41	27° 7	16°18	n.a.	S 21
M22	15 35 9	24° 2'33	7♑19	16°44	21°46	14°59	7° 7	9° 7	8°26	27°39	4°45	25°42	27° 4	16°25	n.a.	M22
T 23	15 39 5	24°59'38	21°53	17°10	23° 0	14°55	7° 9	9°13	8°24	27°39	4°44	25°43	27° 0	16°32	n.a.	T 23
W24	15 43 2	25°56'44	6♒17	17°31	24°13	14°51	7°11	9°19	8°21	27°40	4°43	25°44	26°57	16°38	n.a.	W24
T 25	15 46 58	26°53'49	20°28	17°48	25°27	14°49	7°13	9°25	8°19	27°40	4°42	25°R45	26°54	16°45	n.a.	T 25
F 26	15 50 55	27°50'55	4♓24	18° 1	26°41	14°47	7°14	9°31	8°17	27°40	4°41	25°45	26°51	16°52	n.a.	F 26
S 27	15 54 51	28°48'00	18° 6	18° 9	27°54	14°46	7°15	9°37	8°14	27°41	4°40	25°44	26°48	16°58	n.a.	S 27
S 28	15 58 48	29°45'06	1♈32	18°R12	29° 8	14°D46	7°17	9°43	8°12	27°41	4°39	25°42	26°45	17° 5	n.a.	S 28
M29	16 2 44	0♊42'13	14°43	18°11	0♊22	14°47	7°17	9°49	8°10	27°41	4°38	25°39	26°41	17°12	n.a.	M29
T 30	16 6 41	1°39'19	27°39	18° 5	1°36	14°48	7°18	9°55	8° 7	27°42	4°37	25°35	26°38	17°18	n.a.	T 30
W31	16 10 38	2♊36'26	10♉22	17♊55	2♊49	14♎51	7♒19	10♈ 1	8♐ 5	27♒42	4♑36	25♐31	26♐35	17♋25	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	13n 1	6n32	5n 3	21n 8	2n16	9n19	0s55	7s33	0n 8	19s58	0s54	0n34	2s20	22s11	0s 5	13s45	1s17	28s38	4s59	23s43	23s44	21n35			n.a.
T 2	13 21	11 33	4 45	21 34	2 17	9 48	0 53	7 29	0 5	19 56	0 55	0 36	2 20	22 11	0 5	13 44	1 17	28 38	4 59	23 42	23 44	21 34			n.a.
W 3	13 40	15 57	4 13	21 57	2 18	10 16	0 51	7 25	0 2	19 55	0 55	0 39	2 20	22 11	0 5	13 44	1 17	28 39	5 0	23 42	23 44	21 32			n.a.
T 4	13 59	19 32	3 28	22 18	2 18	10 45	0 49	7 21	0s 2	19 54	0 55	0 42	2 21	22 11	0 5	13 44	1 17	28 39	5 0	23 42	23 44	21 31			n.a.
F 5	14 18	22 6	2 33	22 37	2 17	11 13	0 47	7 17	0 5	19 53	0 56	0 45	2 21	22 10	0 5	13 44	1 17	28 39	5 0	23 42	23 44	21 29			n.a.
S 6	14 37	23 35	1 33	22 54	2 15	11 40	0 45	7 14	0 8	19 52	0 56	0 47	2 21	22 10	0 5	13 43	1 17	28 39	5 0	23 42	23 44	21 27			n.a.
S 7	14 55	23 54	0 29	23 8	2 13	12 8	0 43	7 10	0 11	19 51	0 56	0 50	2 21	22 10	0 5	13 43	1 17	28 40	5 1	23 42	23 44	21 26			n.a.
M 8	15 14	23 7	0s36	23 21	2 9	12 35	0 41	7 7	0 15	19 50	0 56	0 53	2 21	22 9	0 5	13 43	1 17	28 40	5 1	23 42	23 44	21 24			n.a.
T 9	15 32	21 18	1 39	23 31	2 5	13 2	0 39	7 4	0 18	19 50	0 57	0 55	2 21	22 9	0 5	13 42	1 17	28 40	5 1	23 42	23 44	21 23			n.a.
W10	15 49	18 34	2 37	23 39	2 1	13 28	0 37	7 2	0 21	19 49	0 57	0 58	2 21	22 9	0 5	13 42	1 17	28 40	5 1	23 42	23 44	21 21			n.a.
T 11	16 7	15 3	3 29	23 46	1 55	13 54	0 34	6 59	0 24	19 48	0 57	1 1	2 21	22 8	0 5	13 42	1 17	28 40	5 1	23 42	23 44	21 19			n.a.
F 12	16 24	10 55	4 12	23 51	1 49	14 20	0 32	6 57	0 27	19 47	0 58	1 3	2 22	22 8	0 5	13 42	1 17	28 41	5 1	23 42	23 44	21 18			n.a.
S 13	16 41	6 16	4 45	23 54	1 42	14 46	0 30	6 55	0 30	19 46	0 58	1 6	2 22	22 8	0 5	13 41	1 17	28 41	5 2	23 42	23 44	21 16			n.a.
S 14	16 58	1 16	5 5	23 55	1 34	15 11	0 28	6 54	0 33	19 46	0 58	1 8	2 22	22 7	0 5	13 41	1 17	28 41	5 2	23 42	23 43	21 15			n.a.
M15	17 14	3s56	5 11	23 55	1 26	15 36	0 26	6 52	0 36	19 45	0 58	1 11	2 22	22 7	0 5	13 41	1 18	28 41	5 2	23 41	23 43	21 13			n.a.
T 16	17 30	9 6	5 0	23 53	1 17	16 0	0 23	6 51	0 39	19 45	0 59	1 14	2 22	22 7	0 5	13 41	1 18	28 42	5 2	23 41	23 43	21 11			n.a.
W17	17 46	14 0	4 32	23 50	1 7	16 24	0 21	6 50	0 42	19 44	0 59	1 16	2 22	22 6	0 5	13 41	1 18	28 42	5 2	23 41	23 43	21 10			n.a.
T 18	18 2	18 16	3 47	23 45	0 56	16 48	0 19	6 49	0 45	19 44	0 59	1 18	2 22	22 6	0 5	13 40	1 18	28 42	5 3	23 41	23 43	21 8			n.a.
F 19	18 17	21 33	2 47	23 39	0 45	17 11	0 16	6 49	0 47	19 43	1 0	1 21	2 23	22 6	0 5	13 40	1 18	28 42	5 3	23 41	23 43	21 7			n.a.
S 20	18 32	23 29	1 35	23 31	0 33	17 34	0 14	6 49	0 50	19 43	1 0	1 23	2 23	22 5	0 5	13 40	1 18	28 42	5 3	23 41	23 43	21 5			n.a.
S 21	18 47	23 49	0 17	23 22	0 21	17 56	0 12	6 49	0 53	19 43	1 0	1 26	2 23	22 5	0 5	13 40	1 18	28 43	5 3	23 41	23 43	21 3			n.a.
M22	19 2	22 30	1n 3	23 13	0 8	18 18	0 9	6 50	0 56	19 42	1 0	1 28	2 23	22 5	0 5	13 40	1 18	28 43	5 3	23 41	23 43	21 2			n.a.
T 23	19 16	19 40	2 19	23 2	0s 6	18 39	0 7	6 50	0 58	19 42	1 1	1 30	2 23	22 4	0 5	13 40	1 18	28 43	5 3	23 41	23 43	21 0			n.a.
W24	19 29	15 39	3 24	22 50	0 20	19 0	0 5	6 51	1 1	19 42	1 1	1 33	2 23	22 4	0 5	13 40	1 18	28 43	5 4	23 41	23 43	20 58			n.a.
T 25	19 43	10 48	4 17	22 37	0 34	19 20	0 2	6 53	1 3	19 42	1 1	1 35	2 24	22 4	0 5	13 39	1 18	28 43	5 4	23 41	23 43	20 57			n.a.
F 26	19 56	5 29	4 53	22 23	0 49	19 40	0n 0	6 54	1 6	19 42	1 2	1 37	2 24	22 3	0 5	13 39	1 18	28 44	5 4	23 41	23 43	20 55			n.a.
S 27	20 9	0 0	5 11	22 8	1 5	19 59	0 3	6 56	1 8	19 42	1 2	1 40	2 24	22 3	0 5	13 39	1 18	28 44	5 4	23 41	23 43	20 53			n.a.
S 28	20 22	5n23	5 12	21 53	1 20	20 18	0 5	6 58	1 10	19 42	1 2	1 42	2 24	22 2	0 5	13 39	1 18	28 44	5 4	23 41	23 43	20 52			n.a.
M29	20 34	10 25	4 57	21 37	1 36	20 37	0 7	7 1	1 13	19 42	1 3	1 44	2 24	22 2	0 5	13 39	1 18	28 44	5 4	23 41	23 42	20 50			n.a.
T 30	20 46	14 54	4 26	21 21	1 52	20 54	0 10	7 4	1 15	19 42	1 3	1 46	2 24	22 2	0 5	13 39	1 18	28 45	5 5	23 40	23 42	20 48			n.a.
W31	20n57	18n39	3n43	21n 4	2s 8	21n11	0n12	7s 7	1s17	19s42	1s 3	1n48	2s25	22s 1	0s 5	13s39	1s18	28s45	5s 5	23s40	23s42	20n47			n.a.

Julian Day Number = 1558276.5, Delta T = 04h26m00s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'28, Lahiri = -10°07'28 Julian Calendar 1 May 447 BCE == Greg. Calendar 26 Apr. 447 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

JUNE 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 14 34	3♊33'32	22♉52	17°R40	4♊ 3	14♎54	7♒19	10♈ 7	8°R 2	27♒42	4°R34	25°R28	26♐32	17♋32	n.a.	T 1
F 2	16 18 31	4°30'39	5♊10	17♊21	5°17	14°58	7°R19	10°12	8♐ 0	27°42	4♑33	25♐26	26°29	17°38	n.a.	F 2
S 3	16 22 27	5°27'47	17°17	16°58	6°31	15° 3	7°19	10°18	7°57	27°42	4°32	25°25	26°26	17°45	n.a.	S 3
S 4	16 26 24	6°24'54	29°15	16°32	7°44	15° 9	7°18	10°23	7°55	27°42	4°31	25°D25	26°22	17°52	n.a.	S 4
M 5	16 30 20	7°22'01	11♋ 7	16° 2	8°58	15°15	7°18	10°29	7°53	27°42	4°30	25°25	26°19	17°58	n.a.	M 5
T 6	16 34 17	8°19'08	22°55	15°29	10°12	15°22	7°17	10°34	7°50	27°R43	4°29	25°27	26°16	18° 5	n.a.	T 6
W 7	16 38 14	9°16'16	4♌43	14°54	11°26	15°30	7°16	10°40	7°48	27°43	4°27	25°28	26°13	18°12	n.a.	W 7
T 8	16 42 10	10°13'23	16°35	14°17	12°39	15°39	7°15	10°45	7°45	27°42	4°26	25°29	26°10	18°18	n.a.	T 8
F 9	16 46 7	11°10'31	28°35	13°39	13°53	15°49	7°14	10°50	7°43	27°42	4°25	25°30	26° 6	18°25	n.a.	F 9
S 10	16 50 3	12° 7'38	10♍48	13° 1	15° 7	15°59	7°13	10°55	7°40	27°42	4°24	25°R31	26° 3	18°32	n.a.	S 10
S 11	16 54 0	13° 4'46	23°18	12°22	16°21	16°10	7°11	11° 0	7°38	27°42	4°22	25°30	26° 0	18°38	n.a.	S 11
M12	16 57 56	14° 1'54	6♎ 9	11°44	17°35	16°21	7° 9	11° 5	7°36	27°42	4°21	25°30	25°57	18°45	n.a.	M12
T 13	17 1 53	14°59'02	19°25	11° 7	18°48	16°34	7° 7	11°10	7°33	27°42	4°20	25°29	25°54	18°51	n.a.	T 13
W14	17 5 49	15°56'10	3♏ 7	10°33	20° 2	16°47	7° 5	11°15	7°31	27°42	4°18	25°27	25°51	18°58	n.a.	W14
T 15	17 9 46	16°53'19	17°15	10° 1	21°16	17° 1	7° 2	11°20	7°28	27°41	4°17	25°26	25°47	19° 5	n.a.	T 15
F 16	17 13 43	17°50'28	1♐46	9°33	22°30	17°15	7° 0	11°24	7°26	27°41	4°16	25°26	25°44	19°11	n.a.	F 16
S 17	17 17 39	18°47'38	16°35	9° 8	23°44	17°30	6°57	11°29	7°24	27°41	4°15	25°25	25°41	19°18	n.a.	S 17
S 18	17 21 36	19°44'48	1♑35	8°48	24°58	17°46	6°54	11°33	7°21	27°40	4°13	25°D25	25°38	19°25	n.a.	S 18
M19	17 25 32	20°41'59	16°37	8°32	26°12	18° 2	6°51	11°38	7°19	27°40	4°12	25°25	25°35	19°31	n.a.	M19
T 20	17 29 29	21°39'11	1♒33	8°21	27°25	18°19	6°48	11°42	7°17	27°40	4°11	25°26	25°32	19°38	n.a.	T 20
W21	17 33 25	22°36'24	16°16	8°D16	28°39	18°36	6°44	11°46	7°14	27°39	4° 9	25°26	25°28	19°45	n.a.	W21
T 22	17 37 22	23°33'38	0♓41	8°16	29°53	18°54	6°40	11°50	7°12	27°39	4° 8	25°26	25°25	19°51	n.a.	T 22
F 23	17 41 18	24°30'52	14°44	8°23	1♋ 7	19°13	6°36	11°54	7°10	27°38	4° 6	25°26	25°22	19°58	n.a.	F 23
S 24	17 45 15	25°28'08	28°25	8°35	2°21	19°32	6°32	11°58	7° 8	27°38	4° 5	25°26	25°19	20° 5	n.a.	S 24
S 25	17 49 12	26°25'25	11♈43	8°53	3°35	19°52	6°28	12° 2	7° 5	27°37	4° 4	25°26	25°16	20°11	n.a.	S 25
M26	17 53 8	27°22'43	24°42	9°17	4°49	20°12	6°24	12° 6	7° 3	27°36	4° 2	25°26	25°12	20°18	n.a.	M26
T 27	17 57 5	28°20'02	7♉24	9°47	6° 3	20°33	6°19	12°10	7° 1	27°36	4° 1	25°27	25° 9	20°25	n.a.	T 27
W28	18 1 1	29°17'23	19°50	10°23	7°17	20°54	6°14	12°13	6°59	27°35	4° 0	25°27	25° 6	20°31	n.a.	W28
T 29	18 4 58	0♋14'45	2♊ 4	11° 6	8°31	21°16	6°10	12°17	6°56	27°34	3°58	25°28	25° 3	20°38	n.a.	T 29
F 30	18 8 54	1♋12'08	14♊ 8	11♊54	9♋45	21♎38	6♒ 5	12♈20	6♐54	27♒34	3♑57	25♐28	25♐ 0	20♋45	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 8	21n28	2n50	20n47	2s24	21n28	0n14	7s10	1s19	19s42	1s 4	1n50	2s25	22s 1	0s 5	13s39	1s18	28s45	5s 5	23s40	23s42	20n45		n.a.
F 2	21 19	23 14	1 49	20 30	2 39	21 44	0 17	7 13	1 22	19 43	1 4	1 52	2 25	22 1	0 5	13 39	1 18	28 45	5 5	23 40	23 42	20 43		n.a.
S 3	21 29	23 52	0 45	20 12	2 55	21 59	0 19	7 17	1 24	19 43	1 4	1 54	2 25	22 0	0 5	13 39	1 19	28 45	5 5	23 40	23 42	20 42		n.a.
S 4	21 40	23 24	0s21	19 55	3 9	22 14	0 21	7 21	1 26	19 43	1 4	1 56	2 25	22 0	0 5	13 39	1 19	28 45	5 5	23 40	23 42	20 40		n.a.
M 5	21 49	21 51	1 26	19 38	3 23	22 28	0 24	7 26	1 28	19 44	1 5	1 58	2 26	21 59	0 5	13 39	1 19	28 46	5 6	23 40	23 42	20 38		n.a.
T 6	21 59	19 22	2 26	19 22	3 36	22 42	0 26	7 30	1 30	19 44	1 5	2 0	2 26	21 59	0 5	13 39	1 19	28 46	5 6	23 40	23 42	20 37		n.a.
W 7	22 8	16 5	3 21	19 6	3 48	22 54	0 28	7 35	1 31	19 45	1 5	2 2	2 26	21 59	0 5	13 39	1 19	28 46	5 6	23 40	23 42	20 35		n.a.
T 8	22 16	12 9	4 7	18 51	3 59	23 7	0 30	7 40	1 33	19 45	1 6	2 4	2 26	21 58	0 5	13 39	1 19	28 46	5 6	23 40	23 42	20 33		n.a.
F 9	22 24	7 42	4 43	18 37	4 9	23 18	0 33	7 46	1 35	19 46	1 6	2 6	2 26	21 58	0 5	13 39	1 19	28 46	5 6	23 40	23 41	20 32		n.a.
S 10	22 32	2 53	5 7	18 24	4 17	23 29	0 35	7 51	1 37	19 47	1 6	2 8	2 27	21 57	0 5	13 39	1 19	28 47	5 6	23 40	23 41	20 30		n.a.
S 11	22 40	2s 9	5 17	18 13	4 24	23 39	0 37	7 57	1 39	19 47	1 7	2 10	2 27	21 57	0 5	13 40	1 19	28 47	5 6	23 40	23 41	20 28		n.a.
M12	22 47	7 14	5 12	18 2	4 29	23 48	0 39	8 3	1 40	19 48	1 7	2 11	2 27	21 57	0 5	13 40	1 19	28 47	5 7	23 40	23 41	20 26		n.a.
T 13	22 53	12 9	4 50	17 54	4 33	23 57	0 41	8 9	1 42	19 49	1 7	2 13	2 27	21 56	0 5	13 40	1 19	28 47	5 7	23 40	23 41	20 25		n.a.
W14	23 0	16 38	4 11	17 47	4 35	24 5	0 43	8 16	1 43	19 50	1 8	2 15	2 28	21 56	0 5	13 40	1 19	28 47	5 7	23 40	23 41	20 23		n.a.
T 15	23 6	20 20	3 16	17 42	4 35	24 13	0 45	8 23	1 45	19 51	1 8	2 16	2 28	21 56	0 5	13 40	1 19	28 47	5 7	23 40	23 41	20 21		n.a.
F 16	23 11	22 52	2 8	17 39	4 34	24 19	0 47	8 30	1 46	19 52	1 8	2 18	2 28	21 55	0 5	13 40	1 19	28 48	5 7	23 40	23 41	20 19		n.a.
S 17	23 16	23 52	0 49	17 38	4 32	24 25	0 49	8 37	1 48	19 53	1 8	2 20	2 28	21 55	0 5	13 40	1 19	28 48	5 7	23 40	23 41	20 18		n.a.
S 18	23 21	23 10	0n34	17 39	4 27	24 30	0 51	8 44	1 49	19 54	1 9	2 21	2 28	21 54	0 5	13 41	1 19	28 48	5 7	23 40	23 41	20 16		n.a.
M19	23 25	20 48	1 55	17 42	4 22	24 35	0 53	8 52	1 51	19 55	1 9	2 23	2 29	21 54	0 5	13 41	1 19	28 48	5 7	23 40	23 40	20 14		n.a.
T 20	23 29	17 1	3 8	17 47	4 15	24 38	0 55	8 59	1 52	19 56	1 9	2 24	2 29	21 54	0 5	13 41	1 19	28 48	5 8	23 40	23 40	20 12		n.a.
W21	23 32	12 15	4 7	17 54	4 7	24 41	0 57	9 7	1 53	19 57	1 10	2 26	2 29	21 53	0 5	13 41	1 19	28 48	5 8	23 40	23 40	20 11		n.a.
T 22	23 35	6 53	4 49	18 3	3 58	24 44	0 59	9 16	1 55	19 58	1 10	2 27	2 29	21 53	0 5	13 41	1 20	28 49	5 8	23 40	23 40	20 9		n.a.
F 23	23 38	1 18	5 12	18 15	3 48	24 45	1 0	9 24	1 56	20 0	1 10	2 28	2 30	21 52	0 5	13 42	1 20	28 49	5 8	23 40	23 40	20 7		n.a.
S 24	23 40	4n12	5 17	18 27	3 36	24 46	1 2	9 32	1 57	20 1	1 10	2 30	2 30	21 52	0 5	13 42	1 20	28 49	5 8	23 40	23 40	20 5		n.a.
S 25	23 42	9 22	5 5	18 42	3 24	24 46	1 4	9 41	1 58	20 2	1 11	2 31	2 30	21 52	0 5	13 42	1 20	28 49	5 8	23 40	23 40	20 4		n.a.
M26	23 43	13 59	4 37	18 58	3 12	24 45	1 5	9 50	1 59	20 4	1 11	2 32	2 30	21 51	0 5	13 42	1 20	28 49	5 8	23 40	23 40	20 2		n.a.
T 27	23 44	17 52	3 57	19 16	2 59	24 43	1 7	9 59	2 0	20 5	1 11	2 34	2 31	21 51	0 5	13 43	1 20	28 49	5 8	23 40	23 40	20 0		n.a.
W28	23 45	20 54	3 5	19 34	2 45	24 41	1 8	10 8	2 1	20 7	1 12	2 35	2 31	21 51	0 5	13 43	1 20	28 49	5 8	23 40	23 39	19 58		n.a.
T 29	23 45	22 54	2 6	19 54	2 31	24 38	1 10	10 17	2 2	20 8	1 12	2 36	2 31	21 50	0 5	13 43	1 20	28 50	5 8	23 40	23 39	19 56		n.a.
F 30	23n45	23n50	1n 3	20n15	2s16	24n34	1n11	10s27	2s 3	20s10	1s12	2n37	2s31	21s50	0s 5	13s43	1s20	28s50	5s 9	23s40	23s39	19n55		n.a.

Julian Day Number = 1558307.5, Delta T = 04h25m58s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'24, Lahiri = -10°07'24 Julian Calendar 1 June 447 BCE == Greg. Calendar 27 May 447 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

JULY 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 12 51	2♋ 9'31	26♊ 5	12♊48	10♋59	22♎ 1	5°R59	12♈24	6°R52	27°R33	3°R55	25°R28	24♐57	20♋51	n.a.	S 1
S 2	18 16 48	3° 6'57	7♋57	13°48	12°13	22°25	5♒54	12°27	6♐50	27♒32	3♑54	25♐28	24°53	20°58	n.a.	S 2
M 3	18 20 44	4° 4'23	19°45	14°54	13°27	22°48	5°48	12°30	6°48	27°31	3°53	25°27	24°50	21° 5	n.a.	M 3
T 4	18 24 41	5° 1'50	1♌33	16° 5	14°41	23°13	5°43	12°33	6°46	27°30	3°51	25°26	24°47	21°11	n.a.	T 4
W 5	18 28 37	5°59'18	13°23	17°22	15°55	23°38	5°37	12°36	6°44	27°30	3°50	25°25	24°44	21°18	n.a.	W 5
T 6	18 32 34	6°56'47	25°17	18°43	17° 9	24° 3	5°31	12°39	6°42	27°29	3°48	25°23	24°41	21°25	n.a.	T 6
F 7	18 36 30	7°54'17	7♍19	20°10	18°23	24°29	5°25	12°41	6°40	27°28	3°47	25°22	24°38	21°31	n.a.	F 7
S 8	18 40 27	8°51'48	19°32	21°41	19°37	24°55	5°19	12°44	6°38	27°27	3°46	25°20	24°34	21°38	n.a.	S 8
S 9	18 44 23	9°49'21	2♎ 0	23°17	20°51	25°21	5°12	12°47	6°36	27°26	3°44	25°20	24°31	21°45	n.a.	S 9
M10	18 48 20	10°46'54	14°47	24°57	22° 5	25°48	5° 6	12°49	6°34	27°25	3°43	25°D19	24°28	21°51	n.a.	M10
T 11	18 52 17	11°44'28	27°57	26°41	23°20	26°16	4°59	12°51	6°32	27°24	3°42	25°20	24°25	21°58	n.a.	T 11
W12	18 56 13	12°42'03	11♏31	28°28	24°34	26°43	4°53	12°54	6°31	27°23	3°40	25°21	24°22	22° 5	n.a.	W12
T 13	19 0 10	13°39'40	25°33	0♋18	25°48	27°11	4°46	12°56	6°29	27°22	3°39	25°22	24°18	22°11	n.a.	T 13
F 14	19 4 6	14°37'18	10♐ 0	2°10	27° 2	27°40	4°39	12°58	6°27	27°21	3°37	25°23	24°15	22°18	n.a.	F 14
S 15	19 8 3	15°34'57	24°50	4° 5	28°16	28° 9	4°32	13° 0	6°25	27°19	3°36	25°R24	24°12	22°25	n.a.	S 15
S 16	19 11 59	16°32'37	9♑56	6° 2	29°30	28°38	4°25	13° 2	6°24	27°18	3°35	25°23	24° 9	22°31	n.a.	S 16
M17	19 15 56	17°30'19	25° 9	8° 0	0♌44	29° 8	4°18	13° 3	6°22	27°17	3°33	25°22	24° 6	22°38	n.a.	M17
T 18	19 19 52	18°28'02	10♒21	10° 0	1°58	29°38	4°10	13° 5	6°21	27°16	3°32	25°19	24° 3	22°45	n.a.	T 18
W19	19 23 49	19°25'47	25°21	12° 0	3°12	0♏ 8	4° 3	13° 7	6°19	27°15	3°31	25°16	23°59	22°51	n.a.	W19
T 20	19 27 46	20°23'33	10♓ 1	14° 1	4°26	0°39	3°55	13° 8	6°17	27°14	3°29	25°13	23°56	22°58	n.a.	T 20
F 21	19 31 42	21°21'22	24°15	16° 1	5°40	1°10	3°48	13° 9	6°16	27°12	3°28	25°10	23°53	23° 5	n.a.	F 21
S 22	19 35 39	22°19'12	8♈ 3	18° 2	6°55	1°41	3°40	13°11	6°15	27°11	3°27	25° 8	23°50	23°11	n.a.	S 22
S 23	19 39 35	23°17'04	21°23	20° 2	8° 9	2°13	3°33	13°12	6°13	27°10	3°25	25°D 8	23°47	23°18	n.a.	S 23
M24	19 43 32	24°14'58	4♉18	22° 2	9°23	2°44	3°25	13°13	6°12	27° 8	3°24	25° 8	23°44	23°25	n.a.	M24
T 25	19 47 28	25°12'54	16°53	24° 1	10°37	3°17	3°17	13°13	6°10	27° 7	3°23	25° 9	23°40	23°31	n.a.	T 25
W26	19 51 25	26°10'52	29°10	25°59	11°51	3°49	3° 9	13°14	6° 9	27° 6	3°22	25°11	23°37	23°38	n.a.	W26
T 27	19 55 21	27° 8'52	11♊14	27°57	13° 5	4°22	3° 2	13°15	6° 8	27° 4	3°20	25°12	23°34	23°45	n.a.	T 27
F 28	19 59 18	28° 6'54	23°10	29°53	14°19	4°55	2°54	13°15	6° 7	27° 3	3°19	25°R13	23°31	23°51	n.a.	F 28
S 29	20 3 15	29° 4'58	5♋ 0	1♌48	15°34	5°28	2°46	13°16	6° 6	27° 2	3°18	25°13	23°28	23°58	n.a.	S 29
S 30	20 7 11	0♌ 3'04	16°48	3°43	16°48	6° 2	2°38	13°16	6° 4	27° 0	3°17	25°11	23°24	24° 5	n.a.	S 30
M31	20 11 8	1♌ 1'12	28♋36	5♌36	18♌ 2	6♏36	2♒30	13♈16	6♐ 3	26♒59	3♑16	25♐ 7	23♐21	24♋11	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n44	23n38	0s 3	20n37	2s 2	24n30	1n13	10s36	2s 4	20s11	1s12	2n38	2s32	21s50	0s 5	13s44	1s20	28s50	5s 9	23s40	23s39	19n53		n.a.
S 2	23 43	22 22	1 9	20 59	1 47	24 25	1 14	10 46	2 5	20 13	1 13	2 39	2 32	21 49	0 5	13 44	1 20	28 50	5 9	23 40	23 39	19 51		n.a.
M 3	23 41	20 7	2 11	21 21	1 32	24 18	1 15	10 56	2 6	20 14	1 13	2 40	2 32	21 49	0 5	13 44	1 20	28 50	5 9	23 40	23 39	19 49		n.a.
T 4	23 39	17 2	3 7	21 43	1 18	24 12	1 17	11 6	2 7	20 16	1 13	2 41	2 32	21 49	0 5	13 45	1 20	28 50	5 9	23 40	23 39	19 47		n.a.
W 5	23 37	13 16	3 56	22 6	1 3	24 4	1 18	11 16	2 8	20 18	1 13	2 42	2 33	21 48	0 5	13 45	1 20	28 50	5 9	23 40	23 39	19 46		n.a.
T 6	23 34	8 58	4 34	22 27	0 49	23 56	1 19	11 26	2 9	20 20	1 14	2 43	2 33	21 48	0 5	13 45	1 20	28 50	5 9	23 40	23 38	19 44		n.a.
F 7	23 31	4 17	5 1	22 48	0 35	23 47	1 20	11 36	2 10	20 21	1 14	2 44	2 33	21 48	0 5	13 46	1 20	28 51	5 9	23 40	23 38	19 42		n.a.
S 8	23 27	0s37	5 15	23 8	0 21	23 38	1 21	11 47	2 10	20 23	1 14	2 45	2 33	21 47	0 5	13 46	1 20	28 51	5 9	23 40	23 38	19 40		n.a.
S 9	23 23	5 36	5 14	23 27	0 8	23 27	1 22	11 58	2 11	20 25	1 14	2 45	2 34	21 47	0 5	13 47	1 20	28 51	5 9	23 40	23 38	19 38		n.a.
M10	23 18	10 28	4 59	23 44	0n 5	23 16	1 23	12 8	2 12	20 27	1 15	2 46	2 34	21 47	0 5	13 47	1 20	28 51	5 9	23 40	23 38	19 36		n.a.
T 11	23 13	15 1	4 27	24 0	0 17	23 4	1 23	12 19	2 12	20 29	1 15	2 47	2 34	21 46	0 5	13 47	1 20	28 51	5 9	23 40	23 38	19 35		n.a.
W12	23 8	18 57	3 39	24 13	0 29	22 52	1 24	12 30	2 13	20 30	1 15	2 47	2 35	21 46	0 5	13 48	1 20	28 51	5 9	23 40	23 38	19 33		n.a.
T 13	23 2	21 57	2 38	24 24	0 39	22 39	1 25	12 41	2 14	20 32	1 15	2 48	2 35	21 46	0 5	13 48	1 21	28 51	5 9	23 40	23 37	19 31		n.a.
F 14	22 56	23 37	1 24	24 33	0 49	22 25	1 25	12 52	2 14	20 34	1 16	2 48	2 35	21 45	0 5	13 49	1 21	28 51	5 9	23 40	23 37	19 29		n.a.
S 15	22 50	23 42	0 3	24 40	0 59	22 11	1 26	13 3	2 15	20 36	1 16	2 49	2 35	21 45	0 5	13 49	1 21	28 51	5 10	23 40	23 37	19 27		n.a.
S 16	22 43	22 3	1n19	24 44	1 7	21 56	1 26	13 14	2 15	20 38	1 16	2 49	2 36	21 45	0 5	13 49	1 21	28 51	5 10	23 40	23 37	19 25		n.a.
M17	22 35	18 49	2 37	24 45	1 15	21 40	1 27	13 25	2 16	20 40	1 16	2 50	2 36	21 44	0 5	13 50	1 21	28 52	5 10	23 40	23 37	19 24		n.a.
T 18	22 27	14 18	3 43	24 43	1 22	21 24	1 27	13 36	2 16	20 42	1 16	2 50	2 36	21 44	0 5	13 50	1 21	28 52	5 10	23 40	23 37	19 22		n.a.
W19	22 19	8 58	4 33	24 39	1 28	21 7	1 28	13 48	2 17	20 44	1 17	2 51	2 36	21 44	0 5	13 51	1 21	28 52	5 10	23 40	23 37	19 20		n.a.
T 20	22 11	3 14	5 3	24 32	1 33	20 49	1 28	13 59	2 17	20 46	1 17	2 51	2 37	21 44	0 5	13 51	1 21	28 52	5 10	23 40	23 36	19 18		n.a.
F 21	22 2	2n29	5 14	24 23	1 37	20 31	1 28	14 11	2 18	20 48	1 17	2 51	2 37	21 43	0 5	13 52	1 21	28 52	5 10	23 40	23 36	19 16		n.a.
S 22	21 52	7 55	5 6	24 11	1 41	20 12	1 28	14 22	2 18	20 50	1 17	2 51	2 37	21 43	0 6	13 52	1 21	28 52	5 10	23 39	23 36	19 14		n.a.
S 23	21 43	12 47	4 42	23 56	1 43	19 53	1 28	14 34	2 19	20 52	1 17	2 52	2 38	21 43	0 6	13 53	1 21	28 52	5 10	23 39	23 36	19 12		n.a.
M24	21 33	16 56	4 4	23 39	1 45	19 33	1 28	14 45	2 19	20 54	1 17	2 52	2 38	21 43	0 6	13 53	1 21	28 52	5 10	23 39	23 36	19 10		n.a.
T 25	21 22	20 12	3 15	23 20	1 47	19 12	1 28	14 57	2 19	20 56	1 18	2 52	2 38	21 42	0 6	13 54	1 21	28 52	5 10	23 40	23 36	19 9		n.a.
W26	21 11	22 28	2 18	22 59	1 47	18 52	1 28	15 8	2 20	20 58	1 18	2 52	2 38	21 42	0 6	13 54	1 21	28 52	5 10	23 40	23 36	19 7		n.a.
T 27	21 0	23 40	1 16	22 36	1 47	18 30	1 27	15 20	2 20	21 0	1 18	2 52	2 39	21 42	0 6	13 55	1 21	28 52	5 10	23 40	23 35	19 5		n.a.
F 28	20 48	23 45	0 11	22 10	1 47	18 8	1 27	15 31	2 20	21 2	1 18	2 52	2 39	21 42	0 6	13 55	1 21	28 52	5 10	23 40	23 35	19 3		n.a.
S 29	20 36	22 46	0s53	21 44	1 46	17 45	1 27	15 43	2 20	21 4	1 18	2 52	2 39	21 42	0 6	13 56	1 21	28 52	5 10	23 40	23 35	19 1		n.a.
S 30	20 24	20 46	1 55	21 15	1 44	17 22	1 26	15 55	2 21	21 6	1 18	2 52	2 40	21 41	0 6	13 56	1 21	28 52	5 10	23 40	23 35	18 59		n.a.
M31	20n11	17n54	2s52	20n45	1n42	16n59	1n26	16s 6	2s21	21s 8	1s18	2n51	2s40	21s41	0s 6	13s57	1s21	28s52	5s10	23s39	23s35	18n57		n.a.

Julian Day Number = 1558337.5, Delta T = 04h25m57s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'20, Lahiri = -10°07'20 Julian Calendar 1 July 447 BCE == Greg. Calendar 26 June 447 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

AUGUST 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 15 4	1♌59'21	10♌26	7♌28	19♌16	7♏10	2°R22	13♈17	6°R 2	26°R57	3°R14	25°R 1	23♐18	24♋18	n.a.	T 1
W 2	20 19 1	2°57'32	22°21	9°18	20°30	7°45	2♒14	13°R17	6♐ 1	26♒56	3♑13	24♐55	23°15	24°25	n.a.	W 2
T 3	20 22 57	3°55'45	4♍21	11° 8	21°44	8°19	2° 6	13°17	6° 0	26°54	3°12	24°48	23°12	24°31	n.a.	T 3
F 4	20 26 54	4°54'00	16°30	12°56	22°58	8°54	1°58	13°16	6° 0	26°53	3°11	24°40	23° 9	24°38	n.a.	F 4
S 5	20 30 50	5°52'16	28°49	14°43	24°13	9°30	1°50	13°16	5°59	26°51	3°10	24°34	23° 5	24°45	n.a.	S 5
S 6	20 34 47	6°50'34	11♎20	16°29	25°27	10° 5	1°43	13°16	5°58	26°50	3° 9	24°30	23° 2	24°51	n.a.	S 6
M 7	20 38 43	7°48'54	24° 6	18°14	26°41	10°41	1°35	13°15	5°57	26°48	3° 8	24°27	22°59	24°58	n.a.	M 7
T 8	20 42 40	8°47'16	7♏11	19°57	27°55	11°17	1°27	13°14	5°57	26°47	3° 6	24°D26	22°56	25° 5	n.a.	T 8
W 9	20 46 37	9°45'39	20°37	21°40	29° 9	11°53	1°19	13°14	5°56	26°45	3° 5	24°26	22°53	25°11	n.a.	W 9
T 10	20 50 33	10°44'04	4♐27	23°21	0♍23	12°29	1°11	13°13	5°55	26°43	3° 4	24°27	22°49	25°18	n.a.	T 10
F 11	20 54 30	11°42'30	18°41	25° 1	1°37	13° 6	1° 4	13°12	5°55	26°42	3° 3	24°R28	22°46	25°25	n.a.	F 11
S 12	20 58 26	12°40'59	3♑19	26°40	2°52	13°43	0°56	13°11	5°54	26°40	3° 2	24°28	22°43	25°31	n.a.	S 12
S 13	21 2 23	13°39'29	18°15	28°18	4° 6	14°20	0°49	13°10	5°54	26°39	3° 1	24°26	22°40	25°38	n.a.	S 13
M14	21 6 19	14°38'01	3♒24	29°55	5°20	14°57	0°41	13° 8	5°53	26°37	3° 0	24°22	22°37	25°45	n.a.	M14
T 15	21 10 16	15°36'35	18°37	1♍31	6°34	15°34	0°34	13° 7	5°53	26°35	2°59	24°16	22°34	25°51	n.a.	T 15
W16	21 14 12	16°35'11	3♓42	3° 6	7°48	16°12	0°26	13° 5	5°53	26°34	2°59	24° 8	22°30	25°58	n.a.	W16
T 17	21 18 9	17°33'49	18°31	4°39	9° 2	16°50	0°19	13° 4	5°53	26°32	2°58	24° 0	22°27	26° 5	n.a.	T 17
F 18	21 22 6	18°32'29	2♈55	6°12	10°16	17°28	0°12	13° 2	5°52	26°30	2°57	23°52	22°24	26°11	n.a.	F 18
S 19	21 26 2	19°31'11	16°50	7°44	11°30	18° 6	0° 5	13° 0	5°52	26°29	2°56	23°46	22°21	26°18	n.a.	S 19
S 20	21 29 59	20°29'56	0♉16	9°14	12°44	18°44	29♑58	12°58	5°52	26°27	2°55	23°42	22°18	26°25	n.a.	S 20
M21	21 33 55	21°28'44	13°15	10°44	13°58	19°23	29°51	12°56	5°D52	26°26	2°54	23°40	22°15	26°31	n.a.	M21
T 22	21 37 52	22°27'33	25°49	12°12	15°12	20° 2	29°44	12°54	5°52	26°24	2°53	23°D39	22°11	26°38	n.a.	T 22
W23	21 41 48	23°26'26	8♊ 4	13°40	16°26	20°40	29°38	12°52	5°52	26°22	2°53	23°40	22° 8	26°45	n.a.	W23
T 24	21 45 45	24°25'20	20° 5	15° 6	17°40	21°19	29°31	12°50	5°52	26°21	2°52	23°R41	22° 5	26°51	n.a.	T 24
F 25	21 49 41	25°24'17	1♋57	16°32	18°54	21°59	29°25	12°47	5°52	26°19	2°51	23°40	22° 2	26°58	n.a.	F 25
S 26	21 53 38	26°23'17	13°44	17°56	20° 8	22°38	29°18	12°45	5°53	26°17	2°50	23°38	21°59	27° 5	n.a.	S 26
S 27	21 57 35	27°22'18	25°32	19°19	21°22	23°18	29°12	12°42	5°53	26°16	2°50	23°34	21°55	27°11	n.a.	S 27
M28	22 1 31	28°21'22	7♌22	20°41	22°37	23°57	29° 6	12°39	5°53	26°14	2°49	23°26	21°52	27°18	n.a.	M28
T 29	22 5 28	29°20'28	19°18	22° 2	23°51	24°37	29° 0	12°37	5°54	26°12	2°48	23°16	21°49	27°25	n.a.	T 29
W30	22 9 24	0♍19'36	1♍21	23°22	25° 5	25°17	28°55	12°34	5°54	26°11	2°48	23° 5	21°46	27°31	n.a.	W30
T 31	22 13 21	1♍18'47	13♍33	24♍40	26♍19	25♏57	28♑49	12♈31	5♐54	26♒ 9	2♑47	22♐52	21♐43	27♋38	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	19n58	14n18	3s41	20n14	1n39	16n35	1n25	16s18	2s21	21s10	1s19	2n51	2s40	21s41	0s 6	13s57	1s21	28s52	5s10	23s39	23s35	18n55		n.a.	
W 2	19 45	10 7	4 22	19 42	1 36	16 11	1 25	16 30	2 21	21 12	1 19	2 51	2 40	21 41	0 6	13 58	1 21	28 52	5 10	23 39	23 34	18 53		n.a.	
T 3	19 31	5 32	4 50	19 8	1 32	15 46	1 24	16 41	2 22	21 13	1 19	2 51	2 41	21 41	0 6	13 58	1 21	28 53	5 10	23 39	23 34	18 51		n.a.	
F 4	19 17	0 42	5 6	18 33	1 28	15 20	1 23	16 53	2 22	21 15	1 19	2 50	2 41	21 41	0 6	13 59	1 21	28 53	5 10	23 38	23 34	18 49		n.a.	
S 5	19 3	4s14	5 9	17 58	1 24	14 55	1 22	17 5	2 22	21 17	1 19	2 50	2 41	21 40	0 6	14 0	1 21	28 53	5 10	23 38	23 34	18 48		n.a.	
S 6	18 48	9 4	4 56	17 21	1 19	14 29	1 21	17 16	2 22	21 19	1 19	2 50	2 41	21 40	0 6	14 0	1 21	28 53	5 10	23 38	23 34	18 46		n.a.	
M 7	18 33	13 38	4 29	16 44	1 14	14 2	1 20	17 28	2 22	21 21	1 19	2 49	2 42	21 40	0 6	14 1	1 21	28 53	5 10	23 38	23 34	18 44		n.a.	
T 8	18 18	17 40	3 48	16 6	1 9	13 35	1 19	17 39	2 22	21 23	1 19	2 49	2 42	21 40	0 6	14 1	1 21	28 53	5 10	23 38	23 33	18 42		n.a.	
W 9	18 2	20 55	2 53	15 28	1 3	13 8	1 18	17 51	2 22	21 25	1 19	2 48	2 42	21 40	0 6	14 2	1 21	28 53	5 10	23 38	23 33	18 40		n.a.	
T 10	17 46	23 3	1 46	14 49	0 58	12 40	1 17	18 2	2 22	21 26	1 19	2 47	2 43	21 40	0 6	14 2	1 21	28 53	5 10	23 38	23 33	18 38		n.a.	
F 11	17 30	23 47	0 31	14 9	0 52	12 13	1 16	18 14	2 22	21 28	1 19	2 47	2 43	21 40	0 6	14 3	1 21	28 53	5 10	23 38	23 33	18 36		n.a.	
S 12	17 13	22 55	0n48	13 30	0 45	11 44	1 14	18 25	2 22	21 30	1 19	2 46	2 43	21 40	0 6	14 3	1 21	28 53	5 10	23 38	23 33	18 34		n.a.	
S 13	16 56	20 26	2 5	12 49	0 39	11 16	1 13	18 36	2 22	21 32	1 19	2 45	2 43	21 40	0 6	14 4	1 21	28 53	5 10	23 38	23 33	18 32		n.a.	
M14	16 39	16 30	3 14	12 9	0 32	10 47	1 12	18 47	2 22	21 33	1 19	2 45	2 44	21 40	0 6	14 5	1 22	28 53	5 10	23 38	23 32	18 30		n.a.	
T 15	16 22	11 29	4 10	11 28	0 25	10 18	1 10	18 59	2 22	21 35	1 20	2 44	2 44	21 40	0 6	14 5	1 22	28 53	5 10	23 37	23 32	18 28		n.a.	
W16	16 4	5 49	4 47	10 47	0 18	9 49	1 8	19 10	2 22	21 37	1 20	2 43	2 44	21 39	0 6	14 6	1 22	28 53	5 10	23 37	23 32	18 26		n.a.	
T 17	15 46	0n 4	5 5	10 6	0 11	9 19	1 7	19 21	2 22	21 38	1 20	2 42	2 44	21 39	0 6	14 6	1 22	28 53	5 10	23 37	23 32	18 24		n.a.	
F 18	15 28	5 47	5 3	9 25	0 4	8 49	1 5	19 32	2 22	21 40	1 20	2 41	2 45	21 39	0 6	14 7	1 22	28 53	5 10	23 36	23 32	18 22		n.a.	
S 19	15 9	11 2	4 42	8 44	0s 3	8 19	1 3	19 43	2 22	21 41	1 20	2 40	2 45	21 39	0 6	14 8	1 22	28 53	5 10	23 36	23 31	18 20		n.a.	
S 20	14 51	15 33	4 7	8 3	0 11	7 49	1 2	19 53	2 22	21 43	1 20	2 39	2 45	21 39	0 6	14 8	1 22	28 53	5 10	23 36	23 31	18 18		n.a.	
M21	14 32	19 11	3 19	7 22	0 18	7 18	1 0	20 4	2 22	21 44	1 20	2 38	2 45	21 39	0 6	14 9	1 22	28 53	5 10	23 36	23 31	18 16		n.a.	
T 22	14 12	21 47	2 24	6 40	0 26	6 47	0 58	20 15	2 21	21 46	1 20	2 37	2 46	21 39	0 6	14 9	1 22	28 53	5 10	23 36	23 31	18 14		n.a.	
W23	13 53	23 18	1 23	6 0	0 33	6 16	0 56	20 25	2 21	21 47	1 20	2 36	2 46	21 39	0 6	14 10	1 22	28 53	5 10	23 36	23 31	18 12		n.a.	
T 24	13 33	23 42	0 19	5 19	0 41	5 45	0 54	20 35	2 21	21 49	1 20	2 35	2 46	21 39	0 6	14 10	1 22	28 53	5 10	23 36	23 31	18 10		n.a.	
F 25	13 13	23 0	0s44	4 38	0 49	5 14	0 52	20 46	2 21	21 50	1 20	2 34	2 46	21 39	0 6	14 11	1 22	28 53	5 10	23 36	23 30	18 8		n.a.	
S 26	12 53	21 17	1 45	3 58	0 56	4 43	0 50	20 56	2 21	21 51	1 19	2 33	2 47	21 40	0 6	14 12	1 22	28 53	5 10	23 36	23 30	18 6		n.a.	
S 27	12 32	18 40	2 41	3 18	1 4	4 11	0 47	21 6	2 20	21 53	1 19	2 32	2 47	21 40	0 6	14 12	1 22	28 53	5 10	23 35	23 30	18 4		n.a.	
M28	12 12	15 16	3 31	2 38	1 12	3 40	0 45	21 16	2 20	21 54	1 19	2 30	2 47	21 40	0 6	14 13	1 22	28 52	5 9	23 35	23 30	18 2		n.a.	
T 29	11 51	11 15	4 11	1 59	1 19	3 8	0 43	21 26	2 20	21 55	1 19	2 29	2 47	21 40	0 6	14 13	1 22	28 52	5 9	23 35	23 30	18 0		n.a.	
W30	11 30	6 46	4 41	1 20	1 27	2 36	0 41	21 35	2 20	21 56	1 19	2 28	2 47	21 40	0 6	14 14	1 22	28 52	5 9	23 34	23 29	17 58		n.a.	
T 31	11n 9	1n58	4s58	0n42	1s35	2n 4	0n38	21s45	2s19	21s57	1s19	2n26	2s48	21s40	0s 6	14s15	1s22	28s52	5s 9	23s33	23s29	17n56		n.a.	

Julian Day Number = 1558368.5, Delta T = 04h25m56s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'16, Lahiri = -10°07'15 Julian Calendar 1 Aug. 447 BCE == Greg. Calendar 27 July 447 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

SEPTEMBER 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 17 17	2♍17'59	25♍55	25♍57	27♍32	26♏38	28°R44	12°R28	5♐55	26°R 7	2°R47	22°R39	21♐40	27♋45	n.a.	F 1
S 2	22 21 14	3°17'14	8♎26	27°13	28°46	27°18	28♑39	12♈25	5°56	26♒ 6	2♑46	22♐28	21°36	27°51	n.a.	S 2
S 3	22 25 10	4°16'30	21° 8	28°27	0♎ 0	27°59	28°34	12°21	5°56	26° 4	2°46	22°19	21°33	27°58	n.a.	S 3
M 4	22 29 7	5°15'49	4♏ 2	29°40	1°14	28°39	28°29	12°18	5°57	26° 2	2°45	22°13	21°30	28° 5	n.a.	M 4
T 5	22 33 3	6°15'09	17°10	0♎50	2°28	29°20	28°24	12°15	5°58	26° 1	2°45	22° 9	21°27	28°11	n.a.	T 5
W 6	22 37 0	7°14'32	0♐34	1°59	3°42	0♐ 1	28°19	12°11	5°58	25°59	2°44	22° 7	21°24	28°18	n.a.	W 6
T 7	22 40 57	8°13'56	14°15	3° 6	4°56	0°42	28°15	12° 7	5°59	25°57	2°44	22° 7	21°21	28°25	n.a.	T 7
F 8	22 44 53	9°13'22	28°16	4°11	6°10	1°24	28°11	12° 4	6° 0	25°56	2°43	22° 7	21°17	28°31	n.a.	F 8
S 9	22 48 50	10°12'50	12♑36	5°14	7°24	2° 5	28° 7	12° 0	6° 1	25°54	2°43	22° 6	21°14	28°38	n.a.	S 9
S 10	22 52 46	11°12'20	27°13	6°14	8°38	2°46	28° 3	11°56	6° 2	25°53	2°43	22° 3	21°11	28°45	n.a.	S 10
M11	22 56 43	12°11'52	12♒ 3	7°11	9°52	3°28	27°59	11°52	6° 3	25°51	2°42	21°56	21° 8	28°51	n.a.	M11
T 12	23 0 39	13°11'25	27° 0	8° 6	11° 5	4°10	27°56	11°48	6° 4	25°49	2°42	21°47	21° 5	28°58	n.a.	T 12
W13	23 4 36	14°11'01	11♓54	8°57	12°19	4°51	27°52	11°44	6° 5	25°48	2°42	21°36	21° 1	29° 5	n.a.	W13
T 14	23 8 32	15°10'39	26°36	9°44	13°33	5°33	27°49	11°40	6° 6	25°46	2°42	21°25	20°58	29°11	n.a.	T 14
F 15	23 12 29	16°10'18	10♈59	10°27	14°47	6°15	27°46	11°36	6° 8	25°45	2°41	21°13	20°55	29°18	n.a.	F 15
S 16	23 16 26	17°10'01	24°57	11° 6	16° 1	6°57	27°43	11°32	6° 9	25°43	2°41	21° 4	20°52	29°25	n.a.	S 16
S 17	23 20 22	18° 9'45	8♉26	11°40	17°14	7°39	27°41	11°28	6°10	25°42	2°41	20°57	20°49	29°31	n.a.	S 17
M18	23 24 19	19° 9'32	21°28	12° 9	18°28	8°22	27°39	11°23	6°12	25°40	2°41	20°52	20°46	29°38	n.a.	M18
T 19	23 28 15	20° 9'21	4♊ 6	12°32	19°42	9° 4	27°36	11°19	6°13	25°39	2°41	20°50	20°42	29°45	n.a.	T 19
W20	23 32 12	21° 9'13	16°23	12°49	20°55	9°47	27°35	11°15	6°14	25°37	2°41	20°50	20°39	29°52	n.a.	W20
T 21	23 36 8	22° 9'07	28°25	12°59	22° 9	10°29	27°33	11°10	6°16	25°36	2°D41	20°50	20°36	29°58	n.a.	T 21
F 22	23 40 5	23° 9'03	10♋17	13°R 1	23°23	11°12	27°31	11° 6	6°18	25°34	2°41	20°49	20°33	0♌ 5	n.a.	F 22
S 23	23 44 1	24° 9'02	22° 5	12°55	24°36	11°55	27°30	11° 1	6°19	25°33	2°41	20°46	20°30	0°12	n.a.	S 23
S 24	23 47 58	25° 9'02	3♌54	12°40	25°50	12°37	27°29	10°57	6°21	25°32	2°41	20°41	20°26	0°18	n.a.	S 24
M25	23 51 54	26° 9'05	15°48	12°17	27° 4	13°20	27°28	10°52	6°23	25°30	2°41	20°33	20°23	0°25	n.a.	M25
T 26	23 55 51	27° 9'10	27°51	11°44	28°17	14° 3	27°27	10°47	6°24	25°29	2°41	20°23	20°20	0°32	n.a.	T 26
W27	23 59 48	28° 9'18	10♍ 4	11° 2	29°31	14°46	27°26	10°42	6°26	25°27	2°41	20°10	20°17	0°38	n.a.	W27
T 28	0 3 44	29° 9'27	22°29	10°12	0♏44	15°30	27°26	10°38	6°28	25°26	2°41	19°56	20°14	0°45	n.a.	T 28
F 29	0 7 41	0♎ 9'38	5♎ 7	9°12	1°58	16°13	27°D26	10°33	6°30	25°25	2°42	19°42	20°11	0°52	n.a.	F 29
S 30	0 11 37	1♎ 9'51	17♎57	8♎ 6	3♏12	16♐56	27♑26	10♈28	6♐32	25♒24	2♑42	19♐30	20♐ 7	0♌58	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
F 1	10n47	2s57	5s 1	0n 4	1s42	1n32	0n36	21s54	2s19	21s58	1s19	2n25	2s48	21s40	0s 6	14s15	1s22	28s52	5s 9	23s33	23s29	17n54			n.a.
S 2	10 26	7 49	4 50	0s33	1 50	1 0	0 33	22 4	2 19	21 59	1 19	2 23	2 48	21 40	0 6	14 16	1 22	28 52	5 9	23 32	23 29	17 52			n.a.
S 3	10 4	12 26	4 25	1 10	1 57	0 28	0 31	22 13	2 18	22 0	1 19	2 22	2 48	21 40	0 6	14 16	1 22	28 52	5 9	23 31	23 29	17 50			n.a.
M 4	9 42	16 34	3 46	1 45	2 4	0s 4	0 28	22 22	2 18	22 1	1 19	2 21	2 48	21 40	0 6	14 17	1 22	28 52	5 9	23 31	23 28	17 48			n.a.
T 5	9 20	19 57	2 54	2 20	2 11	0 36	0 26	22 30	2 18	22 2	1 19	2 19	2 49	21 40	0 6	14 17	1 22	28 52	5 9	23 31	23 28	17 46			n.a.
W 6	8 58	22 21	1 52	2 54	2 18	1 8	0 23	22 39	2 17	22 3	1 19	2 17	2 49	21 41	0 6	14 18	1 22	28 52	5 9	23 31	23 28	17 44			n.a.
T 7	8 35	23 30	0 42	3 27	2 24	1 40	0 21	22 48	2 17	22 4	1 19	2 16	2 49	21 41	0 6	14 19	1 22	28 52	5 9	23 31	23 28	17 42			n.a.
F 8	8 13	23 12	0n33	3 59	2 31	2 12	0 18	22 56	2 17	22 5	1 19	2 14	2 49	21 41	0 6	14 19	1 22	28 52	5 9	23 31	23 28	17 40			n.a.
S 9	7 50	21 23	1 46	4 30	2 37	2 44	0 15	23 4	2 16	22 5	1 19	2 13	2 49	21 41	0 6	14 20	1 22	28 52	5 9	23 31	23 27	17 38			n.a.
S 10	7 27	18 8	2 54	5 0	2 43	3 16	0 13	23 12	2 16	22 6	1 18	2 11	2 49	21 41	0 6	14 20	1 22	28 52	5 9	23 30	23 27	17 36			n.a.
M11	7 4	13 42	3 51	5 28	2 48	3 48	0 10	23 20	2 15	22 7	1 18	2 9	2 50	21 41	0 6	14 21	1 22	28 52	5 9	23 30	23 27	17 34			n.a.
T 12	6 41	8 24	4 33	5 54	2 53	4 20	0 7	23 28	2 15	22 7	1 18	2 8	2 50	21 42	0 6	14 21	1 22	28 52	5 9	23 29	23 27	17 32			n.a.
W13	6 18	2 38	4 56	6 19	2 58	4 52	0 4	23 35	2 14	22 8	1 18	2 6	2 50	21 42	0 6	14 22	1 22	28 52	5 9	23 29	23 26	17 30			n.a.
T 14	5 55	3n12	4 59	6 41	3 2	5 24	0 1	23 42	2 14	22 8	1 18	2 4	2 50	21 42	0 6	14 22	1 22	28 52	5 9	23 28	23 26	17 28			n.a.
F 15	5 31	8 44	4 43	7 2	3 6	5 55	0s 1	23 49	2 14	22 9	1 18	2 3	2 50	21 42	0 6	14 23	1 22	28 52	5 8	23 27	23 26	17 26			n.a.
S 16	5 8	13 39	4 10	7 20	3 9	6 27	0 4	23 56	2 13	22 9	1 18	2 1	2 50	21 42	0 6	14 23	1 22	28 52	5 8	23 27	23 26	17 24			n.a.
S 17	4 44	17 43	3 24	7 36	3 11	6 58	0 7	24 3	2 13	22 10	1 18	1 59	2 50	21 43	0 6	14 24	1 22	28 52	5 8	23 26	23 26	17 22			n.a.
M18	4 21	20 45	2 29	7 49	3 13	7 29	0 10	24 9	2 12	22 10	1 18	1 57	2 51	21 43	0 6	14 24	1 22	28 51	5 8	23 26	23 25	17 20			n.a.
T 19	3 57	22 40	1 27	7 59	3 14	8 0	0 13	24 16	2 12	22 10	1 17	1 55	2 51	21 43	0 6	14 25	1 22	28 51	5 8	23 26	23 25	17 18			n.a.
W20	3 33	23 26	0 24	8 5	3 13	8 31	0 16	24 22	2 11	22 11	1 17	1 53	2 51	21 43	0 6	14 25	1 22	28 51	5 8	23 26	23 25	17 16			n.a.
T 21	3 9	23 4	0s40	8 8	3 12	9 2	0 19	24 28	2 11	22 11	1 17	1 52	2 51	21 44	0 6	14 26	1 22	28 51	5 8	23 26	23 25	17 13			n.a.
F 22	2 45	21 40	1 41	8 6	3 9	9 32	0 22	24 33	2 10	22 11	1 17	1 50	2 51	21 44	0 6	14 26	1 22	28 51	5 8	23 26	23 24	17 11			n.a.
S 23	2 21	19 19	2 37	8 0	3 5	10 2	0 25	24 39	2 9	22 11	1 17	1 48	2 51	21 44	0 6	14 27	1 22	28 51	5 8	23 25	23 24	17 9			n.a.
S 24	1 57	16 11	3 27	7 49	3 0	10 32	0 28	24 44	2 9	22 11	1 17	1 46	2 51	21 45	0 6	14 27	1 22	28 51	5 8	23 25	23 24	17 7			n.a.
M25	1 33	12 22	4 8	7 33	2 53	11 2	0 31	24 49	2 8	22 11	1 17	1 44	2 51	21 45	0 6	14 28	1 22	28 51	5 8	23 24	23 24	17 5			n.a.
T 26	1 9	8 2	4 38	7 12	2 44	11 32	0 34	24 54	2 8	22 11	1 16	1 42	2 51	21 45	0 6	14 28	1 22	28 51	5 8	23 24	23 24	17 3			n.a.
W27	0 45	3 20	4 56	6 46	2 33	12 1	0 37	24 58	2 7	22 11	1 16	1 40	2 51	21 46	0 6	14 29	1 22	28 51	5 8	23 23	23 23	17 1			n.a.
T 28	0 20	1s34	5 0	6 14	2 20	12 30	0 40	25 3	2 7	22 11	1 16	1 38	2 51	21 46	0 6	14 29	1 22	28 51	5 8	23 22	23 23	16 59			n.a.
F 29	0s 4	6 28	4 50	5 37	2 6	12 58	0 42	25 7	2 6	22 11	1 16	1 36	2 51	21 46	0 6	14 30	1 22	28 51	5 8	23 21	23 23	16 57			n.a.
S 30	0s28	11s12	4s25	4s56	1s50	13s27	0s45	25s11	2s 5	22s11	1s16	1n34	2s51	21s47	0s 6	14s30	1s21	28s51	5s 7	23s20	23s23	16n55			n.a.

Julian Day Number = 1558399.5, Delta T = 04h25m55s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'12, Lahiri = -10°07'11 Julian Calendar 1 Sept. 447 BCE == Greg. Calendar 27 Aug. 447 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

OCTOBER 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 15 34	2♎10'06	0♏58	6°R53	4♏25	17♐40	27♑26	10°R23	6♐34	25°R22	2♑42	19°R19	20♐ 4	1♌ 5	n.a.	S 1
M 2	0 19 30	3°10'23	14°11	5♎37	5°39	18°23	27°27	10♈18	6°36	25♒21	2°42	19♐12	20° 1	1°12	n.a.	M 2
T 3	0 23 27	4°10'41	27°33	4°18	6°52	19° 6	27°28	10°14	6°38	25°20	2°43	19° 8	19°58	1°18	n.a.	T 3
W 4	0 27 23	5°11'02	11♐ 6	3° 0	8° 5	19°50	27°28	10° 9	6°40	25°19	2°43	19° 6	19°55	1°25	n.a.	W 4
T 5	0 31 20	6°11'23	24°50	1°46	9°19	20°34	27°30	10° 4	6°42	25°17	2°43	19°D 6	19°52	1°32	n.a.	T 5
F 6	0 35 17	7°11'47	8♑46	0°36	10°32	21°17	27°31	9°59	6°44	25°16	2°44	19°R 6	19°48	1°38	n.a.	F 6
S 7	0 39 13	8°12'12	22°53	29♍34	11°46	22° 1	27°32	9°54	6°47	25°15	2°44	19° 5	19°45	1°45	n.a.	S 7
S 8	0 43 10	9°12'38	7♒11	28°42	12°59	22°45	27°34	9°49	6°49	25°14	2°45	19° 3	19°42	1°52	n.a.	S 8
M 9	0 47 6	10°13'05	21°37	28° 0	14°12	23°29	27°36	9°44	6°51	25°13	2°45	18°57	19°39	1°58	n.a.	M 9
T 10	0 51 3	11°13'34	6♓ 8	27°30	15°26	24°13	27°38	9°39	6°54	25°12	2°46	18°49	19°36	2° 5	n.a.	T 10
W11	0 54 59	12°14'05	20°37	27°11	16°39	24°57	27°40	9°34	6°56	25°11	2°46	18°39	19°32	2°12	n.a.	W11
T 12	0 58 56	13°14'37	4♈58	27°D 4	17°52	25°41	27°43	9°29	6°58	25°10	2°47	18°28	19°29	2°18	n.a.	T 12
F 13	1 2 52	14°15'11	19° 4	27° 8	19° 5	26°25	27°46	9°24	7° 1	25° 9	2°47	18°18	19°26	2°25	n.a.	F 13
S 14	1 6 49	15°15'46	2♉51	27°23	20°18	27° 9	27°49	9°19	7° 3	25° 8	2°48	18° 9	19°23	2°32	n.a.	S 14
S 15	1 10 46	16°16'23	16°15	27°47	21°31	27°53	27°52	9°15	7° 6	25° 7	2°49	18° 2	19°20	2°38	n.a.	S 15
M16	1 14 42	17°17'02	29°16	28°21	22°45	28°37	27°55	9°10	7° 9	25° 6	2°49	17°58	19°17	2°45	n.a.	M16
T 17	1 18 39	18°17'43	11♊55	29° 2	23°58	29°22	27°58	9° 5	7°11	25° 5	2°50	17°56	19°13	2°52	n.a.	T 17
W18	1 22 35	19°18'26	24°14	29°51	25°11	0♑ 6	28° 2	9° 0	7°14	25° 5	2°51	17°D56	19°10	2°59	n.a.	W18
T 19	1 26 32	20°19'10	6♋18	0♎46	26°24	0°50	28° 6	8°55	7°17	25° 4	2°52	17°57	19° 7	3° 5	n.a.	T 19
F 20	1 30 28	21°19'56	18°12	1°47	27°37	1°35	28°10	8°51	7°19	25° 3	2°52	17°R57	19° 4	3°12	n.a.	F 20
S 21	1 34 25	22°20'43	0♌ 2	2°53	28°49	2°19	28°14	8°46	7°22	25° 2	2°53	17°57	19° 1	3°19	n.a.	S 21
S 22	1 38 21	23°21'33	11°52	4° 2	0♐ 2	3° 4	28°19	8°41	7°25	25° 2	2°54	17°55	18°58	3°25	n.a.	S 22
M23	1 42 18	24°22'24	23°48	5°16	1°15	3°48	28°23	8°36	7°28	25° 1	2°55	17°51	18°54	3°32	n.a.	M23
T 24	1 46 15	25°23'16	5♍55	6°32	2°28	4°33	28°28	8°32	7°31	25° 0	2°56	17°44	18°51	3°39	n.a.	T 24
W25	1 50 11	26°24'10	18°15	7°51	3°41	5°17	28°33	8°27	7°33	25° 0	2°57	17°36	18°48	3°45	n.a.	W25
T 26	1 54 8	27°25'05	0♎50	9°12	4°54	6° 2	28°38	8°23	7°36	24°59	2°58	17°26	18°45	3°52	n.a.	T 26
F 27	1 58 4	28°26'02	13°43	10°35	6° 6	6°46	28°44	8°18	7°39	24°59	2°59	17°17	18°42	3°59	n.a.	F 27
S 28	2 2 1	29°27'00	26°52	12° 0	7°19	7°31	28°49	8°14	7°42	24°58	3° 0	17° 8	18°38	4° 5	n.a.	S 28
S 29	2 5 57	0♏28'00	10♏17	13°26	8°32	8°16	28°55	8° 9	7°45	24°58	3° 1	17° 1	18°35	4°12	n.a.	S 29
M30	2 9 54	1°29'00	23°54	14°53	9°44	9° 0	29° 1	8° 5	7°48	24°57	3° 2	16°57	18°32	4°19	n.a.	M30
T 31	2 13 50	2♏30'02	7♐42	16♎21	10♐57	9♑45	29♑ 7	8♈ 1	7♐51	24♒57	3♑ 3	16♐54	18♐29	4♌25	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	0s52	15s28	3s45	4s11	1s32	13s55	0s48	25s14	2s 5	22s11	1s16	1n32	2s51	21s47	0s 6	14s30	1s21	28s51	5s 7	23s19	23s22	16n53			n.a.
M 2	1 17	19 3	2 54	3 22	1 13	14 23	0 51	25 18	2 4	22 11	1 16	1 30	2 51	21 47	0 6	14 31	1 21	28 51	5 7	23 18	23 22	16 51			n.a.
T 3	1 41	21 41	1 52	2 32	0 53	14 50	0 54	25 21	2 3	22 10	1 15	1 29	2 52	21 48	0 6	14 31	1 21	28 50	5 7	23 18	23 22	16 48			n.a.
W 4	2 5	23 6	0 42	1 42	0 32	15 17	0 57	25 24	2 3	22 10	1 15	1 27	2 52	21 48	0 6	14 32	1 21	28 50	5 7	23 18	23 22	16 46			n.a.
T 5	2 29	23 8	0n30	0 53	0 12	15 44	1 0	25 26	2 2	22 10	1 15	1 25	2 52	21 48	0 6	14 32	1 21	28 50	5 7	23 18	23 21	16 44			n.a.
F 6	2 53	21 45	1 42	0 7	0n 9	16 10	1 3	25 29	2 1	22 9	1 15	1 23	2 52	21 49	0 6	14 32	1 21	28 50	5 7	23 18	23 21	16 42			n.a.
S 7	3 18	19 0	2 49	0n36	0 28	16 36	1 6	25 31	2 1	22 9	1 15	1 21	2 52	21 49	0 6	14 33	1 21	28 50	5 7	23 18	23 21	16 40			n.a.
S 8	3 42	15 4	3 46	1 14	0 47	17 1	1 8	25 33	2 0	22 8	1 15	1 19	2 52	21 49	0 6	14 33	1 21	28 50	5 7	23 17	23 21	16 38			n.a.
M 9	4 6	10 14	4 29	1 47	1 4	17 26	1 11	25 34	1 59	22 8	1 15	1 17	2 52	21 50	0 6	14 33	1 21	28 50	5 7	23 17	23 20	16 36			n.a.
T 10	4 30	4 49	4 55	2 13	1 19	17 51	1 14	25 36	1 59	22 7	1 14	1 15	2 51	21 50	0 6	14 34	1 21	28 50	5 7	23 16	23 20	16 34			n.a.
W11	4 54	0n52	5 2	2 33	1 32	18 15	1 17	25 37	1 58	22 6	1 14	1 13	2 51	21 51	0 6	14 34	1 21	28 50	5 7	23 15	23 20	16 31			n.a.
T 12	5 18	6 26	4 50	2 46	1 44	18 39	1 19	25 38	1 57	22 6	1 14	1 11	2 51	21 51	0 6	14 34	1 21	28 50	5 7	23 14	23 20	16 29			n.a.
F 13	5 41	11 34	4 21	2 54	1 54	19 2	1 22	25 38	1 56	22 5	1 14	1 9	2 51	21 52	0 6	14 35	1 21	28 50	5 7	23 14	23 19	16 27			n.a.
S 14	6 5	16 0	3 36	2 55	2 2	19 24	1 25	25 39	1 56	22 4	1 14	1 7	2 51	21 52	0 6	14 35	1 21	28 50	5 7	23 13	23 19	16 25			n.a.
S 15	6 29	19 29	2 41	2 51	2 9	19 47	1 27	25 39	1 55	22 4	1 14	1 5	2 51	21 52	0 6	14 35	1 21	28 50	5 6	23 12	23 19	16 23			n.a.
M16	6 52	21 51	1 38	2 42	2 14	20 8	1 30	25 39	1 54	22 3	1 13	1 4	2 51	21 53	0 6	14 35	1 21	28 49	5 6	23 12	23 19	16 21			n.a.
T 17	7 16	23 2	0 32	2 29	2 17	20 29	1 32	25 38	1 54	22 2	1 13	1 2	2 51	21 53	0 6	14 36	1 21	28 49	5 6	23 12	23 18	16 19			n.a.
W18	7 39	23 4	0s34	2 11	2 19	20 50	1 35	25 38	1 53	22 1	1 13	1 0	2 51	21 54	0 6	14 36	1 21	28 49	5 6	23 12	23 18	16 17			n.a.
T 19	8 2	21 59	1 37	1 50	2 20	21 10	1 37	25 37	1 52	22 0	1 13	0 58	2 51	21 54	0 6	14 36	1 21	28 49	5 6	23 12	23 18	16 14			n.a.
F 20	8 25	19 56	2 35	1 25	2 20	21 29	1 39	25 36	1 51	21 59	1 13	0 56	2 51	21 55	0 6	14 36	1 21	28 49	5 6	23 12	23 18	16 12			n.a.
S 21	8 48	17 3	3 26	0 58	2 20	21 48	1 42	25 34	1 50	21 58	1 13	0 54	2 51	21 55	0 6	14 37	1 21	28 49	5 6	23 12	23 17	16 10			n.a.
S 22	9 11	13 29	4 8	0 29	2 18	22 7	1 44	25 32	1 50	21 57	1 12	0 53	2 51	21 56	0 6	14 37	1 21	28 49	5 6	23 11	23 17	16 8			n.a.
M23	9 34	9 21	4 40	0s 3	2 15	22 24	1 46	25 30	1 49	21 56	1 12	0 51	2 51	21 56	0 6	14 37	1 21	28 49	5 6	23 11	23 17	16 6			n.a.
T 24	9 57	4 49	5 0	0 36	2 12	22 41	1 48	25 28	1 48	21 55	1 12	0 49	2 50	21 57	0 6	14 37	1 21	28 49	5 6	23 10	23 16	16 4			n.a.
W25	10 19	0 1	5 6	1 11	2 8	22 58	1 50	25 26	1 47	21 53	1 12	0 48	2 50	21 57	0 6	14 37	1 21	28 49	5 6	23 10	23 16	16 1			n.a.
T 26	10 41	4s53	4 58	1 48	2 4	23 13	1 52	25 23	1 47	21 52	1 12	0 46	2 50	21 58	0 6	14 38	1 21	28 49	5 6	23 9	23 16	15 59			n.a.
F 27	11 3	9 41	4 35	2 25	2 0	23 29	1 54	25 20	1 46	21 51	1 12	0 44	2 50	21 58	0 6	14 38	1 21	28 49	5 6	23 8	23 16	15 57			n.a.
S 28	11 25	14 9	3 57	3 3	1 55	23 43	1 56	25 17	1 45	21 50	1 12	0 43	2 50	21 59	0 6	14 38	1 21	28 48	5 6	23 7	23 15	15 55			n.a.
S 29	11 47	18 0	3 5	3 42	1 49	23 57	1 58	25 13	1 44	21 48	1 11	0 41	2 50	21 59	0 6	14 38	1 21	28 48	5 6	23 6	23 15	15 53			n.a.
M30	12 8	20 57	2 1	4 21	1 44	24 10	1 59	25 9	1 43	21 47	1 11	0 39	2 50	22 0	0 6	14 38	1 21	28 48	5 6	23 6	23 15	15 51			n.a.
T 31	12s30	22s42	0s50	5s 1	1n38	24s22	2s 1	25s 5	1s42	21s46	1s11	0n38	2s49	22s 0	0s 6	14s38	1s21	28s48	5s 6	23s 6	23s15	15n48			n.a.

Julian Day Number = 1558429.5, Delta T = 04h25m54s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'07, Lahiri = -10°07'07 Julian Calendar 1 Oct. 447 BCE == Greg. Calendar 26 Sept. 447 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

NOVEMBER 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 17 47	3♏31'04	21♐37	17♎50	12♐ 9	10♑30	29♑13	7°R57	7♐55	24°R56	3♑ 4	16°D54	18♐26	4♌32	n.a.	W 1
T 2	2 21 44	4°32'08	5♑38	19°20	13°22	11°14	29°19	7♈53	7°58	24♒56	3° 5	16♐55	18°23	4°39	n.a.	T 2
F 3	2 25 40	5°33'12	19°43	20°50	14°34	11°59	29°26	7°49	8° 1	24°56	3° 6	16°56	18°19	4°45	n.a.	F 3
S 4	2 29 37	6°34'16	3♒51	22°21	15°46	12°44	29°33	7°45	8° 4	24°55	3° 7	16°R57	18°16	4°52	n.a.	S 4
S 5	2 33 33	7°35'22	17°59	23°52	16°58	13°29	29°40	7°41	8° 7	24°55	3° 9	16°57	18°13	4°59	n.a.	S 5
M 6	2 37 30	8°36'27	2♓ 7	25°23	18°11	14°14	29°47	7°37	8°10	24°55	3°10	16°55	18°10	5° 6	n.a.	M 6
T 7	2 41 26	9°37'34	16°13	26°55	19°23	14°58	29°54	7°33	8°14	24°55	3°11	16°51	18° 7	5°12	n.a.	T 7
W 8	2 45 23	10°38'41	0♈13	28°27	20°35	15°43	0♒ 1	7°29	8°17	24°55	3°12	16°45	18° 3	5°19	n.a.	W 8
T 9	2 49 19	11°39'48	14° 5	29°59	21°47	16°28	0° 9	7°26	8°20	24°54	3°13	16°39	18° 0	5°26	n.a.	T 9
F 10	2 53 16	12°40'56	27°45	1♏31	22°59	17°13	0°16	7°22	8°24	24°54	3°15	16°34	17°57	5°32	n.a.	F 10
S 11	2 57 13	13°42'05	11♉ 9	3° 3	24°11	17°58	0°24	7°19	8°27	24°54	3°16	16°29	17°54	5°39	n.a.	S 11
S 12	3 1 9	14°43'15	24°17	4°36	25°22	18°43	0°32	7°15	8°30	24°D54	3°17	16°25	17°51	5°46	n.a.	S 12
M13	3 5 6	15°44'25	7♊ 8	6° 9	26°34	19°28	0°40	7°12	8°34	24°54	3°19	16°23	17°48	5°52	n.a.	M13
T 14	3 9 2	16°45'36	19°40	7°42	27°46	20°12	0°49	7° 9	8°37	24°54	3°20	16°D23	17°44	5°59	n.a.	T 14
W15	3 12 59	17°46'48	1♋58	9°15	28°57	20°57	0°57	7° 6	8°40	24°55	3°22	16°24	17°41	6° 6	n.a.	W15
T 16	3 16 55	18°48'00	14° 2	10°48	0♑ 9	21°42	1° 6	7° 3	8°44	24°55	3°23	16°26	17°38	6°12	n.a.	T 16
F 17	3 20 52	19°49'14	25°57	12°21	1°20	22°27	1°14	7° 0	8°47	24°55	3°24	16°27	17°35	6°19	n.a.	F 17
S 18	3 24 48	20°50'27	7♌48	13°54	2°31	23°12	1°23	6°57	8°51	24°55	3°26	16°29	17°32	6°26	n.a.	S 18
S 19	3 28 45	21°51'42	19°39	15°28	3°43	23°57	1°32	6°54	8°54	24°55	3°27	16°R30	17°29	6°33	n.a.	S 19
M20	3 32 42	22°52'57	1♍35	17° 2	4°54	24°42	1°41	6°51	8°58	24°56	3°29	16°29	17°25	6°39	n.a.	M20
T 21	3 36 38	23°54'13	13°41	18°36	6° 5	25°26	1°50	6°49	9° 1	24°56	3°30	16°28	17°22	6°46	n.a.	T 21
W22	3 40 35	24°55'29	26° 2	20°10	7°16	26°11	2° 0	6°46	9° 5	24°56	3°32	16°26	17°19	6°53	n.a.	W22
T 23	3 44 31	25°56'45	8♎41	21°45	8°26	26°56	2° 9	6°44	9° 8	24°57	3°33	16°23	17°16	6°59	n.a.	T 23
F 24	3 48 28	26°58'03	21°40	23°19	9°37	27°41	2°19	6°42	9°12	24°57	3°35	16°19	17°13	7° 6	n.a.	F 24
S 25	3 52 24	27°59'20	5♏ 2	24°54	10°48	28°26	2°29	6°40	9°15	24°58	3°37	16°17	17° 9	7°13	n.a.	S 25
S 26	3 56 21	29° 0'38	18°44	26°29	11°58	29°11	2°39	6°38	9°19	24°58	3°38	16°14	17° 6	7°19	n.a.	S 26
M27	4 0 17	0♐ 1'56	2♐44	28° 5	13° 9	29°56	2°49	6°36	9°22	24°59	3°40	16°13	17° 3	7°26	n.a.	M27
T 28	4 4 14	1° 3'14	16°59	29°40	14°19	0♒40	2°59	6°34	9°26	24°59	3°41	16°D13	17° 0	7°33	n.a.	T 28
W29	4 8 11	2° 4'32	1♑24	1♐16	15°29	1°25	3° 9	6°32	9°30	25° 0	3°43	16°13	16°57	7°39	n.a.	W29
T 30	4 12 7	3♐ 5'50	15♑53	2♐53	16♑39	2♒10	3♒19	6♈31	9♐33	25♒ 0	3♑45	16♐14	16♐54	7♌46	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s51	23s 3	0n26	5s41	1n31	24s34	2s 3	25s 1	1s42	21s44	1s11	0n36	2s49	22s 1	0s 6	14s38	1s21	28s48	5s 6	23s 6	23s14	15n46		n.a.
T 2	13 12	21 58	1 40	6 21	1 25	24 45	2 4	24 56	1 41	21 43	1 11	0 35	2 49	22 1	0 6	14 38	1 21	28 48	5 5	23 6	23 14	15 44		n.a.
F 3	13 33	19 30	2 49	7 1	1 19	24 55	2 6	24 52	1 40	21 41	1 11	0 33	2 49	22 2	0 6	14 39	1 21	28 48	5 5	23 6	23 14	15 42		n.a.
S 4	13 53	15 52	3 47	7 42	1 12	25 5	2 7	24 46	1 39	21 39	1 11	0 32	2 49	22 2	0 6	14 39	1 20	28 48	5 5	23 6	23 13	15 40		n.a.
S 5	14 13	11 19	4 32	8 22	1 5	25 14	2 8	24 41	1 38	21 38	1 10	0 31	2 49	22 3	0 6	14 39	1 20	28 48	5 5	23 6	23 13	15 38		n.a.
M 6	14 33	6 11	5 1	9 2	0 59	25 22	2 10	24 36	1 37	21 36	1 10	0 29	2 48	22 3	0 6	14 39	1 20	28 48	5 5	23 6	23 13	15 35		n.a.
T 7	14 53	0 45	5 11	9 42	0 52	25 29	2 11	24 30	1 37	21 35	1 10	0 28	2 48	22 4	0 6	14 39	1 20	28 48	5 5	23 5	23 13	15 33		n.a.
W 8	15 12	4n42	5 2	10 22	0 45	25 36	2 12	24 24	1 36	21 33	1 10	0 27	2 48	22 4	0 6	14 39	1 20	28 48	5 5	23 5	23 12	15 31		n.a.
T 9	15 32	9 51	4 36	11 1	0 38	25 42	2 13	24 17	1 35	21 31	1 10	0 25	2 48	22 5	0 6	14 39	1 20	28 48	5 5	23 4	23 12	15 29		n.a.
F 10	15 51	14 27	3 55	11 40	0 31	25 47	2 13	24 11	1 34	21 29	1 10	0 24	2 47	22 5	0 6	14 39	1 20	28 48	5 5	23 4	23 12	15 27		n.a.
S 11	16 9	18 14	3 1	12 19	0 24	25 51	2 14	24 4	1 33	21 27	1 10	0 23	2 47	22 6	0 6	14 39	1 20	28 47	5 5	23 3	23 11	15 24		n.a.
S 12	16 28	20 59	1 58	12 57	0 17	25 55	2 15	23 57	1 32	21 25	1 9	0 22	2 47	22 6	0 6	14 39	1 20	28 47	5 5	23 3	23 11	15 22		n.a.
M13	16 46	22 37	0 51	13 35	0 10	25 58	2 15	23 49	1 31	21 24	1 9	0 21	2 47	22 7	0 6	14 39	1 20	28 47	5 5	23 3	23 11	15 20		n.a.
T 14	17 4	23 2	0s18	14 12	0 4	26 0	2 16	23 42	1 31	21 22	1 9	0 20	2 47	22 7	0 6	14 39	1 20	28 47	5 5	23 3	23 11	15 18		n.a.
W15	17 21	22 20	1 24	14 49	0s 3	26 1	2 16	23 34	1 30	21 20	1 9	0 19	2 46	22 8	0 6	14 38	1 20	28 47	5 5	23 3	23 10	15 16		n.a.
T 16	17 38	20 35	2 26	15 25	0 10	26 2	2 17	23 26	1 29	21 18	1 9	0 18	2 46	22 9	0 6	14 38	1 20	28 47	5 5	23 3	23 10	15 13		n.a.
F 17	17 55	17 57	3 21	16 0	0 16	26 1	2 17	23 18	1 28	21 16	1 9	0 17	2 46	22 9	0 6	14 38	1 20	28 47	5 5	23 3	23 10	15 11		n.a.
S 18	18 12	14 36	4 6	16 35	0 23	26 0	2 17	23 9	1 27	21 13	1 9	0 16	2 46	22 10	0 6	14 38	1 20	28 47	5 5	23 3	23 9	15 9		n.a.
S 19	18 28	10 40	4 41	17 9	0 29	25 59	2 17	23 1	1 26	21 11	1 9	0 15	2 45	22 10	0 6	14 38	1 20	28 47	5 5	23 3	23 9	15 7		n.a.
M20	18 44	6 19	5 4	17 43	0 36	25 56	2 17	22 52	1 25	21 9	1 8	0 14	2 45	22 11	0 6	14 38	1 20	28 47	5 5	23 3	23 9	15 4		n.a.
T 21	18 59	1 40	5 15	18 15	0 42	25 53	2 17	22 43	1 24	21 7	1 8	0 13	2 45	22 11	0 6	14 38	1 20	28 47	5 5	23 3	23 8	15 2		n.a.
W22	19 15	3s 9	5 11	18 47	0 48	25 49	2 16	22 33	1 24	21 5	1 8	0 13	2 45	22 12	0 6	14 38	1 20	28 47	5 5	23 3	23 8	15 0		n.a.
T 23	19 29	7 56	4 52	19 18	0 54	25 44	2 16	22 24	1 23	21 2	1 8	0 12	2 44	22 12	0 6	14 38	1 20	28 47	5 5	23 2	23 8	14 58		n.a.
F 24	19 44	12 31	4 17	19 48	1 0	25 39	2 15	22 14	1 22	21 0	1 8	0 11	2 44	22 13	0 6	14 37	1 20	28 47	5 5	23 2	23 7	14 56		n.a.
S 25	19 58	16 38	3 28	20 18	1 5	25 32	2 15	22 4	1 21	20 58	1 8	0 11	2 44	22 14	0 6	14 37	1 20	28 47	5 5	23 2	23 7	14 53		n.a.
S 26	20 12	19 57	2 26	20 46	1 11	25 25	2 14	21 53	1 20	20 55	1 8	0 10	2 43	22 14	0 6	14 37	1 20	28 47	5 5	23 2	23 7	14 51		n.a.
M27	20 25	22 11	1 14	21 13	1 16	25 18	2 13	21 43	1 19	20 53	1 8	0 9	2 43	22 15	0 6	14 37	1 20	28 47	5 5	23 1	23 7	14 49		n.a.
T 28	20 38	23 2	0n 4	21 40	1 21	25 9	2 12	21 32	1 18	20 50	1 7	0 9	2 43	22 15	0 6	14 37	1 20	28 46	5 5	23 1	23 6	14 47		n.a.
W29	20 51	22 21	1 23	22 5	1 26	25 0	2 11	21 21	1 17	20 48	1 7	0 9	2 43	22 16	0 6	14 36	1 20	28 46	5 5	23 1	23 6	14 44		n.a.
T 30	21s 3	20s11	2n37	22s29	1s30	24s50	2s10	21s10	1s16	20s45	1s 7	0n 8	2s42	22s16	0s 6	14s36	1s20	28s46	5s 5	23s 2	23s 6	14n42		n.a.

Julian Day Number = 1558460.5, Delta T = 04h25m52s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°14'03, Lahiri = -10°07'03 Julian Calendar 1 Nov. 447 BCE == Greg. Calendar 27 Oct. 447 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 447 BCE
geocentric

DECEMBER 447 BCE (-446) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 16 4	4♐ 7'07	0♒21	4♐29	17♑49	2♒55	3♒30	6°R29	9♐37	25♒ 1	3♑46	16♐15	16♐50	7♌53	n.a.	F 1
S 2	4 20 0	5° 8'24	14°44	6° 6	18°59	3°40	3°41	6♈28	9°40	25° 2	3°48	16°16	16°47	8° 0	n.a.	S 2
S 3	4 23 57	6° 9'41	28°58	7°44	20° 9	4°24	3°51	6°26	9°44	25° 2	3°50	16°16	16°44	8° 6	n.a.	S 3
M 4	4 27 53	7°10'57	13♓ 2	9°21	21°18	5° 9	4° 2	6°25	9°47	25° 3	3°52	16°R16	16°41	8°13	n.a.	M 4
T 5	4 31 50	8°12'12	26°54	11° 0	22°28	5°54	4°13	6°24	9°51	25° 4	3°53	16°16	16°38	8°20	n.a.	T 5
W 6	4 35 47	9°13'27	10♈32	12°38	23°37	6°39	4°24	6°23	9°55	25° 5	3°55	16°15	16°35	8°26	n.a.	W 6
T 7	4 39 43	10°14'41	23°58	14°17	24°46	7°23	4°35	6°22	9°58	25° 6	3°57	16°15	16°31	8°33	n.a.	T 7
F 8	4 43 40	11°15'55	7♉10	15°56	25°55	8° 8	4°46	6°22	10° 2	25° 6	3°58	16°14	16°28	8°40	n.a.	F 8
S 9	4 47 36	12°17'08	20° 9	17°36	27° 3	8°53	4°58	6°21	10° 5	25° 7	4° 0	16°13	16°25	8°46	n.a.	S 9
S 10	4 51 33	13°18'21	2♊55	19°16	28°12	9°37	5° 9	6°21	10° 9	25° 8	4° 2	16°13	16°22	8°53	n.a.	S 10
M11	4 55 29	14°19'33	15°28	20°56	29°20	10°22	5°21	6°20	10°13	25° 9	4° 4	16°D13	16°19	9° 0	n.a.	M11
T 12	4 59 26	15°20'45	27°49	22°37	0♒29	11° 7	5°32	6°20	10°16	25°10	4° 6	16°13	16°15	9° 6	n.a.	T 12
W13	5 3 22	16°21'56	9♋59	24°18	1°37	11°51	5°44	6°20	10°20	25°11	4° 7	16°R13	16°12	9°13	n.a.	W13
T 14	5 7 19	17°23'07	22° 0	25°59	2°44	12°36	5°56	6°D20	10°23	25°13	4° 9	16°13	16° 9	9°20	n.a.	T 14
F 15	5 11 16	18°24'17	3♌55	27°40	3°52	13°20	6° 8	6°20	10°27	25°14	4°11	16°13	16° 6	9°27	n.a.	F 15
S 16	5 15 12	19°25'27	15°46	29°22	4°59	14° 5	6°20	6°20	10°30	25°15	4°13	16°12	16° 3	9°33	n.a.	S 16
S 17	5 19 9	20°26'36	27°36	1♎ 3	6° 6	14°49	6°32	6°20	10°34	25°16	4°15	16°12	16° 0	9°40	n.a.	S 17
M18	5 23 5	21°27'45	9♍32	2°45	7°13	15°34	6°44	6°21	10°38	25°17	4°17	16°12	15°56	9°47	n.a.	M18
T 19	5 27 2	22°28'53	21°35	4°26	8°20	16°18	6°56	6°21	10°41	25°18	4°18	16°D11	15°53	9°53	n.a.	T 19
W20	5 30 58	23°30'01	3♎53	6° 7	9°27	17° 3	7° 9	6°22	10°45	25°20	4°20	16°12	15°50	10° 0	n.a.	W20
T 21	5 34 55	24°31'08	16°28	7°47	10°33	17°47	7°21	6°23	10°48	25°21	4°22	16°12	15°47	10° 7	n.a.	T 21
F 22	5 38 51	25°32'14	29°24	9°27	11°39	18°32	7°34	6°24	10°52	25°22	4°24	16°13	15°44	10°13	n.a.	F 22
S 23	5 42 48	26°33'20	12♏45	11° 6	12°44	19°16	7°46	6°25	10°55	25°24	4°26	16°14	15°41	10°20	n.a.	S 23
S 24	5 46 45	27°34'25	26°33	12°43	13°50	20° 0	7°59	6°26	10°59	25°25	4°28	16°15	15°37	10°27	n.a.	S 24
M25	5 50 41	28°35'29	10♐45	14°19	14°55	20°45	8°11	6°27	11° 2	25°26	4°30	16°R15	15°34	10°34	n.a.	M25
T 26	5 54 38	29°36'33	25°18	15°52	16° 0	21°29	8°24	6°29	11° 6	25°28	4°31	16°15	15°31	10°40	n.a.	T 26
W27	5 58 34	0♑37'35	10♑ 7	17°23	17° 5	22°13	8°37	6°30	11° 9	25°29	4°33	16°14	15°28	10°47	n.a.	W27
T 28	6 2 31	1°38'36	25° 4	18°51	18° 9	22°57	8°50	6°32	11°13	25°31	4°35	16°13	15°25	10°54	n.a.	T 28
F 29	6 6 27	2°39'36	10♒ 0	20°15	19°13	23°42	9° 3	6°33	11°16	25°32	4°37	16°11	15°21	11° 0	n.a.	F 29
S 30	6 10 24	3°40'34	24°48	21°35	20°17	24°26	9°16	6°35	11°19	25°34	4°39	16° 8	15°18	11° 7	n.a.	S 30
S 31	6 14 21	4♑41'31	9♓21	22♑50	21♒20	25♒10	9♒29	6♈37	11♐23	25♒35	4♑41	16♐ 6	15♐15	11♌14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s15	16s44	3n41	22s52	1s35	24s40	2s 8	20s59	1s16	20s43	1s 7	0n 8	2s42	22s17	0s 6	14s36	1s19	28s46	5s 5	23s 2	23s 5	14n40		n.a.
S 2	21 26	12 19	4 30	23 14	1 39	24 29	2 7	20 48	1 15	20 40	1 7	0 8	2 42	22 17	0 6	14 36	1 19	28 46	5 5	23 2	23 5	14 38		n.a.
S 3	21 37	7 15	5 3	23 34	1 43	24 17	2 5	20 36	1 14	20 37	1 7	0 7	2 41	22 18	0 6	14 35	1 19	28 46	5 5	23 2	23 5	14 35		n.a.
M 4	21 47	1 53	5 17	23 54	1 47	24 4	2 3	20 24	1 13	20 35	1 7	0 7	2 41	22 19	0 6	14 35	1 19	28 46	5 5	23 2	23 4	14 33		n.a.
T 5	21 57	3n30	5 12	24 12	1 50	23 51	2 2	20 12	1 12	20 32	1 7	0 7	2 41	22 19	0 6	14 35	1 19	28 46	5 5	23 2	23 4	14 31		n.a.
W 6	22 7	8 39	4 49	24 28	1 53	23 37	2 0	20 0	1 11	20 29	1 7	0 7	2 41	22 20	0 6	14 34	1 19	28 46	5 5	23 2	23 4	14 29		n.a.
T 7	22 16	13 18	4 11	24 43	1 56	23 23	1 58	19 47	1 10	20 26	1 7	0 7	2 40	22 20	0 6	14 34	1 19	28 46	5 5	23 2	23 3	14 26		n.a.
F 8	22 25	17 14	3 20	24 57	1 58	23 8	1 56	19 35	1 9	20 23	1 6	0 7	2 40	22 21	0 6	14 34	1 19	28 46	5 5	23 2	23 3	14 24		n.a.
S 9	22 34	20 15	2 20	25 9	2 0	22 52	1 53	19 22	1 8	20 21	1 6	0 7	2 40	22 21	0 6	14 33	1 19	28 46	5 5	23 2	23 3	14 22		n.a.
S 10	22 41	22 12	1 13	25 20	2 2	22 36	1 51	19 9	1 8	20 18	1 6	0 7	2 39	22 22	0 6	14 33	1 19	28 46	5 5	23 1	23 2	14 20		n.a.
M11	22 49	23 1	0 4	25 29	2 3	22 19	1 48	18 56	1 7	20 15	1 6	0 7	2 39	22 22	0 6	14 33	1 19	28 46	5 5	23 1	23 2	14 17		n.a.
T 12	22 56	22 40	1s 4	25 36	2 4	22 2	1 46	18 43	1 6	20 12	1 6	0 7	2 39	22 23	0 6	14 32	1 19	28 46	5 5	23 1	23 2	14 15		n.a.
W13	23 2	21 14	2 8	25 42	2 4	21 44	1 43	18 30	1 5	20 9	1 6	0 8	2 38	22 23	0 6	14 32	1 19	28 46	5 5	23 1	23 1	14 13		n.a.
T 14	23 8	18 52	3 6	25 45	2 4	21 25	1 40	18 16	1 4	20 6	1 6	0 8	2 38	22 24	0 6	14 31	1 19	28 46	5 5	23 1	23 1	14 11		n.a.
F 15	23 14	15 43	3 55	25 47	2 4	21 6	1 37	18 2	1 3	20 3	1 6	0 8	2 38	22 24	0 6	14 31	1 19	28 46	5 5	23 1	23 1	14 8		n.a.
S 16	23 19	11 58	4 34	25 47	2 3	20 47	1 34	17 48	1 2	20 0	1 6	0 8	2 38	22 25	0 6	14 31	1 19	28 46	5 5	23 1	23 0	14 6		n.a.
S 17	23 24	7 45	5 1	25 46	2 1	20 27	1 30	17 34	1 1	19 56	1 6	0 9	2 37	22 25	0 6	14 30	1 19	28 46	5 5	23 1	23 0	14 4		n.a.
M18	23 28	3 14	5 15	25 42	1 59	20 6	1 27	17 20	1 0	19 53	1 6	0 9	2 37	22 26	0 6	14 30	1 19	28 46	5 5	23 1	23 0	14 1		n.a.
T 19	23 32	1s27	5 16	25 36	1 56	19 45	1 23	17 6	1 0	19 50	1 6	0 10	2 37	22 27	0 6	14 29	1 19	28 46	5 5	23 1	22 59	13 59		n.a.
W20	23 35	6 10	5 2	25 29	1 52	19 24	1 20	16 51	0 59	19 47	1 6	0 10	2 36	22 27	0 6	14 29	1 19	28 46	5 5	23 1	22 59	13 57		n.a.
T 21	23 38	10 46	4 34	25 19	1 48	19 2	1 16	16 37	0 58	19 44	1 5	0 11	2 36	22 28	0 6	14 28	1 19	28 46	5 5	23 1	22 59	13 55		n.a.
F 22	23 40	15 0	3 52	25 7	1 43	18 40	1 12	16 22	0 57	19 40	1 5	0 12	2 36	22 28	0 6	14 28	1 19	28 46	5 5	23 1	22 58	13 52		n.a.
S 23	23 42	18 39	2 55	24 54	1 38	18 17	1 8	16 7	0 56	19 37	1 5	0 12	2 35	22 29	0 6	14 27	1 19	28 46	5 5	23 2	22 58	13 50		n.a.
S 24	23 44	21 22	1 47	24 39	1 31	17 54	1 4	15 52	0 55	19 33	1 5	0 13	2 35	22 29	0 6	14 27	1 19	28 46	5 6	23 2	22 58	13 48		n.a.
M25	23 44	22 51	0 31	24 22	1 24	17 31	0 59	15 37	0 54	19 30	1 5	0 14	2 35	22 30	0 6	14 26	1 19	28 46	5 6	23 2	22 57	13 45		n.a.
T 26	23 45	22 50	0n50	24 3	1 16	17 7	0 55	15 22	0 53	19 27	1 5	0 15	2 34	22 30	0 6	14 26	1 19	28 46	5 6	23 2	22 57	13 43		n.a.
W27	23 45	21 13	2 8	23 42	1 7	16 43	0 50	15 7	0 52	19 23	1 5	0 16	2 34	22 31	0 6	14 25	1 19	28 46	5 6	23 2	22 57	13 41		n.a.
T 28	23 44	18 8	3 19	23 20	0 57	16 18	0 46	14 51	0 52	19 20	1 5	0 16	2 34	22 31	0 6	14 25	1 19	28 46	5 6	23 1	22 56	13 39		n.a.
F 29	23 43	13 52	4 15	22 57	0 46	15 54	0 41	14 36	0 51	19 16	1 5	0 17	2 33	22 32	0 6	14 24	1 19	28 46	5 6	23 1	22 56	13 36		n.a.
S 30	23 42	8 48	4 54	22 33	0 34	15 29	0 36	14 20	0 50	19 13	1 5	0 18	2 33	22 32	0 6	14 24	1 19	28 46	5 6	23 1	22 56	13 34		n.a.
S 31	23s40	3s20	5n14	22s 8	0s21	15s 3	0s31	14s 4	0s49	19s 9	1s 5	0n19	2s33	22s33	0s 6	14s23	1s19	28s46	5s 6	23s 1	22s55	13n32		n.a.

Julian Day Number = 1558490.5, Delta T = 04h25m51s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'59, Lahiri = -10°06'59 Julian Calendar 1 Dec. 447 BCE == Greg. Calendar 26 Nov. 447 BCE

The year -446 astronomical counting style corresponds to year 447 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

JANUARY 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 18 17	5♑42'27	23♓34	24♑ 0	22♒23	25♒54	9♒42	6♈39	11♐26	25♒37	4♑43	16°R 5	15♐12	11♌20	n.a.	M 1
T 2	6 22 14	6°43'20	7♈26	25° 2	23°26	26°38	9°56	6°41	11°29	25°39	4°45	16°D 5	15° 9	11°27	n.a.	T 2
W 3	6 26 10	7°44'12	20°57	25°58	24°28	27°22	10° 9	6°43	11°33	25°40	4°46	16♐ 5	15° 6	11°34	n.a.	W 3
T 4	6 30 7	8°45'03	4♉ 8	26°45	25°30	28° 6	10°22	6°46	11°36	25°42	4°48	16° 6	15° 2	11°41	n.a.	T 4
F 5	6 34 3	9°45'52	17° 1	27°24	26°32	28°50	10°36	6°48	11°39	25°44	4°50	16° 8	14°59	11°47	n.a.	F 5
S 6	6 38 0	10°46'39	29°40	27°53	27°33	29°34	10°49	6°51	11°43	25°45	4°52	16°10	14°56	11°54	n.a.	S 6
S 7	6 41 56	11°47'25	12♊ 6	28°12	28°33	0♓18	11° 3	6°53	11°46	25°47	4°54	16°R10	14°53	12° 1	n.a.	S 7
M 8	6 45 53	12°48'09	24°22	28°R20	29°34	1° 2	11°16	6°56	11°49	25°49	4°56	16°10	14°50	12° 7	n.a.	M 8
T 9	6 49 50	13°48'52	6♋29	28°18	0♓33	1°45	11°30	6°59	11°52	25°51	4°58	16° 9	14°47	12°14	n.a.	T 9
W10	6 53 46	14°49'33	18°30	28° 5	1°33	2°29	11°43	7° 2	11°55	25°52	5° 0	16° 5	14°43	12°21	n.a.	W10
T 11	6 57 43	15°50'12	0♌26	27°41	2°31	3°13	11°57	7° 5	11°59	25°54	5° 1	16° 1	14°40	12°27	n.a.	T 11
F 12	7 1 39	16°50'50	12°18	27° 7	3°30	3°57	12°11	7° 8	12° 2	25°56	5° 3	15°55	14°37	12°34	n.a.	F 12
S 13	7 5 36	17°51'26	24° 9	26°25	4°28	4°40	12°25	7°11	12° 5	25°58	5° 5	15°49	14°34	12°41	n.a.	S 13
S 14	7 9 32	18°52'01	6♍ 1	25°34	5°25	5°24	12°38	7°15	12° 8	26° 0	5° 7	15°44	14°31	12°48	n.a.	S 14
M15	7 13 29	19°52'35	17°57	24°36	6°21	6° 8	12°52	7°18	12°11	26° 2	5° 9	15°38	14°27	12°54	n.a.	M15
T 16	7 17 25	20°53'07	0♎ 0	23°34	7°18	6°51	13° 6	7°22	12°14	26° 4	5°11	15°35	14°24	13° 1	n.a.	T 16
W17	7 21 22	21°53'37	12°14	22°28	8°13	7°35	13°20	7°26	12°17	26° 6	5°12	15°33	14°21	13° 8	n.a.	W17
T 18	7 25 19	22°54'06	24°44	21°20	9° 8	8°18	13°34	7°29	12°20	26° 8	5°14	15°D32	14°18	13°14	n.a.	T 18
F 19	7 29 15	23°54'34	7♏34	20°13	10° 2	9° 2	13°48	7°33	12°23	26°10	5°16	15°33	14°15	13°21	n.a.	F 19
S 20	7 33 12	24°55'00	20°47	19° 7	10°56	9°45	14° 2	7°37	12°26	26°12	5°18	15°34	14°12	13°28	n.a.	S 20
S 21	7 37 8	25°55'25	4♐27	18° 5	11°49	10°28	14°16	7°41	12°29	26°14	5°20	15°36	14° 8	13°34	n.a.	S 21
M22	7 41 5	26°55'48	18°36	17° 7	12°41	11°12	14°30	7°45	12°31	26°16	5°21	15°R36	14° 5	13°41	n.a.	M22
T 23	7 45 1	27°56'10	3♑11	16°15	13°32	11°55	14°45	7°50	12°34	26°18	5°23	15°35	14° 2	13°48	n.a.	T 23
W24	7 48 58	28°56'29	18° 8	15°29	14°23	12°38	14°59	7°54	12°37	26°20	5°25	15°31	13°59	13°55	n.a.	W24
T 25	7 52 54	29°56'47	3♒20	14°49	15°13	13°22	15°13	7°58	12°40	26°22	5°27	15°26	13°56	14° 1	n.a.	T 25
F 26	7 56 51	0♒57'03	18°37	14°17	16° 2	14° 5	15°27	8° 3	12°42	26°24	5°28	15°19	13°53	14° 8	n.a.	F 26
S 27	8 0 48	1°57'17	3♓47	13°52	16°50	14°48	15°42	8° 8	12°45	26°26	5°30	15°12	13°49	14°15	n.a.	S 27
S 28	8 4 44	2°57'29	18°40	13°34	17°38	15°31	15°56	8°12	12°48	26°28	5°32	15° 5	13°46	14°21	n.a.	S 28
M29	8 8 41	3°57'39	3♈10	13°24	18°24	16°14	16°10	8°17	12°50	26°30	5°34	15° 0	13°43	14°28	n.a.	M29
T 30	8 12 37	4°57'46	17°13	13°D19	19°10	16°57	16°24	8°22	12°53	26°32	5°35	14°56	13°40	14°35	n.a.	T 30
W31	8 16 34	5♒57'51	0♉48	13♑22	19♓54	17♓40	16♒39	8♈27	12♐55	26♒34	5♑37	14°D55	13♐37	14♌42	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s37	2n12	5n13	21s43	0s 8	14s38	0s26	13s48	0s48	19s 5	1s 5	0n21	2s33	22s33	0s 7	14s23	1s19	28s46	5s 6	23s 1	22s55	13n29		n.a.
T 2	23 35	7 29	4 54	21 17	0n 7	14 12	0 20	13 32	0 47	19 2	1 5	0 22	2 32	22 34	0 7	14 22	1 18	28 46	5 6	23 1	22 55	13 27		n.a.
W 3	23 31	12 16	4 19	20 52	0 22	13 46	0 15	13 16	0 46	18 58	1 5	0 23	2 32	22 34	0 7	14 21	1 18	28 46	5 6	23 1	22 54	13 25		n.a.
T 4	23 27	16 22	3 31	20 27	0 38	13 20	0 9	13 0	0 46	18 54	1 5	0 24	2 32	22 34	0 7	14 21	1 18	28 46	5 6	23 1	22 54	13 22		n.a.
F 5	23 23	19 35	2 34	20 3	0 55	12 53	0 4	12 44	0 45	18 51	1 5	0 25	2 31	22 35	0 7	14 20	1 18	28 46	5 6	23 1	22 53	13 20		n.a.
S 6	23 18	21 48	1 30	19 41	1 12	12 27	0n 2	12 27	0 44	18 47	1 5	0 27	2 31	22 35	0 7	14 20	1 18	28 46	5 6	23 1	22 53	13 18		n.a.
S 7	23 13	22 54	0 22	19 20	1 29	12 0	0 8	12 11	0 43	18 43	1 5	0 28	2 31	22 36	0 7	14 19	1 18	28 46	5 7	23 1	22 53	13 16		n.a.
M 8	23 7	22 53	0s45	19 1	1 47	11 33	0 14	11 54	0 42	18 39	1 5	0 29	2 30	22 36	0 7	14 18	1 18	28 46	5 7	23 1	22 52	13 13		n.a.
T 9	23 1	21 46	1 49	18 44	2 4	11 6	0 21	11 38	0 41	18 35	1 5	0 31	2 30	22 37	0 7	14 18	1 18	28 46	5 7	23 1	22 52	13 11		n.a.
W10	22 55	19 41	2 48	18 30	2 21	10 39	0 27	11 21	0 40	18 31	1 5	0 32	2 30	22 37	0 7	14 17	1 18	28 46	5 7	23 1	22 52	13 9		n.a.
T 11	22 48	16 45	3 39	18 19	2 38	10 11	0 33	11 4	0 40	18 28	1 5	0 34	2 30	22 38	0 7	14 16	1 18	28 46	5 7	23 0	22 51	13 6		n.a.
F 12	22 40	13 10	4 20	18 11	2 53	9 44	0 40	10 47	0 39	18 24	1 5	0 35	2 29	22 38	0 7	14 16	1 18	28 46	5 7	23 0	22 51	13 4		n.a.
S 13	22 32	9 5	4 50	18 5	3 7	9 17	0 47	10 30	0 38	18 20	1 4	0 37	2 29	22 38	0 7	14 15	1 18	28 46	5 7	22 59	22 51	13 2		n.a.
S 14	22 24	4 40	5 7	18 2	3 19	8 49	0 53	10 13	0 37	18 16	1 4	0 38	2 29	22 39	0 7	14 14	1 18	28 46	5 7	22 58	22 50	12 59		n.a.
M15	22 15	0 3	5 11	18 2	3 30	8 22	1 0	9 56	0 36	18 12	1 4	0 40	2 28	22 39	0 7	14 14	1 18	28 46	5 7	22 58	22 50	12 57		n.a.
T 16	22 6	4s36	5 2	18 5	3 38	7 54	1 7	9 39	0 35	18 8	1 4	0 42	2 28	22 40	0 7	14 13	1 18	28 46	5 7	22 57	22 49	12 55		n.a.
W17	21 57	9 10	4 39	18 10	3 44	7 27	1 14	9 22	0 35	18 4	1 4	0 44	2 28	22 40	0 7	14 12	1 18	28 46	5 8	22 57	22 49	12 52		n.a.
T 18	21 47	13 26	4 2	18 16	3 48	6 59	1 22	9 5	0 34	18 0	1 4	0 45	2 28	22 41	0 7	14 12	1 18	28 46	5 8	22 57	22 49	12 50		n.a.
F 19	21 36	17 14	3 12	18 25	3 50	6 32	1 29	8 48	0 33	17 55	1 4	0 47	2 27	22 41	0 7	14 11	1 18	28 46	5 8	22 57	22 48	12 48		n.a.
S 20	21 25	20 17	2 11	18 35	3 49	6 4	1 37	8 30	0 32	17 51	1 4	0 49	2 27	22 41	0 7	14 10	1 18	28 46	5 8	22 57	22 48	12 45		n.a.
S 21	21 14	22 18	1 0	18 46	3 47	5 37	1 44	8 13	0 31	17 47	1 4	0 51	2 27	22 42	0 7	14 10	1 18	28 46	5 8	22 57	22 48	12 43		n.a.
M22	21 3	22 59	0n16	18 58	3 42	5 10	1 52	7 56	0 30	17 43	1 4	0 53	2 26	22 42	0 7	14 9	1 18	28 46	5 8	22 58	22 47	12 41		n.a.
T 23	20 51	22 9	1 34	19 11	3 36	4 43	2 0	7 38	0 30	17 39	1 4	0 55	2 26	22 42	0 7	14 8	1 18	28 46	5 8	22 57	22 47	12 38		n.a.
W24	20 38	19 45	2 47	19 24	3 28	4 16	2 8	7 21	0 29	17 35	1 4	0 57	2 26	22 43	0 7	14 7	1 18	28 46	5 8	22 57	22 46	12 36		n.a.
T 25	20 25	15 57	3 49	19 37	3 19	3 49	2 16	7 3	0 28	17 30	1 4	0 59	2 26	22 43	0 7	14 7	1 18	28 46	5 9	22 56	22 46	12 34		n.a.
F 26	20 12	11 5	4 35	19 51	3 8	3 22	2 24	6 46	0 27	17 26	1 4	1 1	2 25	22 44	0 7	14 6	1 18	28 46	5 9	22 56	22 46	12 31		n.a.
S 27	19 59	5 34	5 2	20 5	2 57	2 56	2 32	6 28	0 26	17 22	1 4	1 3	2 25	22 44	0 7	14 5	1 18	28 46	5 9	22 55	22 45	12 29		n.a.
S 28	19 45	0n10	5 7	20 18	2 45	2 30	2 40	6 10	0 26	17 17	1 4	1 5	2 25	22 44	0 7	14 4	1 18	28 47	5 9	22 54	22 45	12 27		n.a.
M29	19 31	5 44	4 53	20 32	2 33	2 4	2 49	5 53	0 25	17 13	1 4	1 7	2 25	22 45	0 7	14 4	1 18	28 47	5 9	22 54	22 44	12 24		n.a.
T 30	19 16	10 51	4 21	20 45	2 20	1 38	2 57	5 35	0 24	17 9	1 4	1 9	2 24	22 45	0 7	14 3	1 18	28 47	5 9	22 53	22 44	12 22		n.a.
W31	19s 1	15n15	3n35	20s57	2n 8	1s12	3n 6	5s17	0s23	17s 4	1s 4	1n11	2s24	22s45	0s 7	14s 2	1s18	28s47	5s 9	22s53	22s44	12n20		n.a.

Julian Day Number = 1558521.5, Delta T = 04h25m50s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'55, Lahiri = -10°06'54 Julian Calendar 1 Jan. 446 BCE == Greg. Calendar 27 Dec. 447 BCE

The year -445 astronomical counting style corresponds to year 446 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

FEBRUARY 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 20 30	6♒57'54	13♉57	13♋30	20♓37	18♓23	16♒53	8♈32	12♐58	26♒37	5♋39	14♐55	13♐33	14♌48	n.a.	T 1
F 2	8 24 27	7°57'54	26°44	13°45	21°20	19° 6	17° 7	8°37	13° 0	26°39	5°40	14°56	13°30	14°55	n.a.	F 2
S 3	8 28 23	8°57'53	9♊12	14° 5	22° 1	19°49	17°22	8°42	13° 3	26°41	5°42	14°R57	13°27	15° 2	n.a.	S 3
S 4	8 32 20	9°57'49	21°26	14°30	22°41	20°32	17°36	8°47	13° 5	26°43	5°43	14°56	13°24	15° 8	n.a.	S 4
M 5	8 36 17	10°57'43	3♋30	15° 0	23°20	21°15	17°51	8°53	13° 7	26°45	5°45	14°55	13°21	15°15	n.a.	M 5
T 6	8 40 13	11°57'34	15°28	15°34	23°57	21°57	18° 5	8°58	13° 9	26°48	5°47	14°50	13°18	15°22	n.a.	T 6
W 7	8 44 10	12°57'24	27°21	16°13	24°33	22°40	18°19	9° 4	13°12	26°50	5°48	14°43	13°14	15°29	n.a.	W 7
T 8	8 48 6	13°57'11	9♌13	16°56	25° 8	23°23	18°34	9° 9	13°14	26°52	5°50	14°34	13°11	15°35	n.a.	T 8
F 9	8 52 3	14°56'56	21° 4	17°42	25°42	24° 5	18°48	9°15	13°16	26°54	5°51	14°23	13° 8	15°42	n.a.	F 9
S 10	8 55 59	15°56'39	2♍57	18°32	26°13	24°48	19° 3	9°20	13°18	26°56	5°53	14°10	13° 5	15°49	n.a.	S 10
S 11	8 59 56	16°56'19	14°53	19°24	26°44	25°30	19°17	9°26	13°20	26°59	5°54	13°58	13° 2	15°55	n.a.	S 11
M12	9 3 52	17°55'58	26°54	20°20	27°13	26°13	19°32	9°32	13°22	27° 1	5°56	13°48	12°58	16° 2	n.a.	M12
T 13	9 7 49	18°55'35	9♎ 1	21°19	27°40	26°55	19°46	9°38	13°24	27° 3	5°57	13°39	12°55	16° 9	n.a.	T 13
W14	9 11 45	19°55'10	21°17	22°21	28° 5	27°38	20° 1	9°44	13°26	27° 5	5°59	13°32	12°52	16°15	n.a.	W14
T 15	9 15 42	20°54'43	3♏46	23°25	28°29	28°20	20°15	9°50	13°28	27° 8	6° 0	13°29	12°49	16°22	n.a.	T 15
F 16	9 19 39	21°54'14	16°32	24°31	28°51	29° 3	20°29	9°56	13°30	27°10	6° 2	13°27	12°46	16°29	n.a.	F 16
S 17	9 23 35	22°53'44	29°38	25°40	29°11	29°45	20°44	10° 2	13°32	27°12	6° 3	13°D27	12°43	16°36	n.a.	S 17
S 18	9 27 32	23°53'11	13♐ 9	26°51	29°29	0♈27	20°58	10° 8	13°33	27°15	6° 4	13°R28	12°39	16°42	n.a.	S 18
M19	9 31 28	24°52'37	27° 6	28° 4	29°45	1° 9	21°13	10°15	13°35	27°17	6° 6	13°27	12°36	16°49	n.a.	M19
T 20	9 35 25	25°52'01	11♋30	29°19	29°59	1°51	21°27	10°21	13°37	27°19	6° 7	13°24	12°33	16°56	n.a.	T 20
W21	9 39 21	26°51'23	26°19	0♒35	0♈10	2°34	21°42	10°27	13°38	27°21	6° 8	13°19	12°30	17° 2	n.a.	W21
T 22	9 43 18	27°50'43	11♒27	1°54	0°20	3°16	21°56	10°34	13°40	27°24	6°10	13°11	12°27	17° 9	n.a.	T 22
F 23	9 47 14	28°50'00	26°45	3°14	0°27	3°58	22°10	10°40	13°42	27°26	6°11	13° 1	12°24	17°16	n.a.	F 23
S 24	9 51 11	29°49'16	12♓ 2	4°37	0°33	4°40	22°25	10°47	13°43	27°28	6°12	12°50	12°20	17°23	n.a.	S 24
S 25	9 55 8	0♓48'29	27° 6	6° 0	0°35	5°22	22°39	10°54	13°44	27°30	6°13	12°40	12°17	17°29	n.a.	S 25
M26	9 59 4	1°47'40	11♈48	7°26	0°R36	6° 4	22°54	11° 0	13°46	27°33	6°15	12°31	12°14	17°36	n.a.	M26
T 27	10 3 1	2°46'49	26° 2	8°53	0°34	6°46	23° 8	11° 7	13°47	27°35	6°16	12°24	12°11	17°43	n.a.	T 27
W28	10 6 57	3♓45'55	9♉46	10♒21	0♈29	7♈27	23♒22	11♈14	13♐48	27♒37	6♋17	12♐20	12♐ 8	17♌49	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s46	18n45	2n39	21s 9	1n55	0s47	3n15	5s 0	0s22	17s 0	1s 4	1n14	2s24	22s46	0s 7	14s 1	1s18	28s47	5s10	22s53	22s43	12n17		n.a.
F 2	18 31	21 14	1 36	21 20	1 42	0 22	3 23	4 42	0 22	16 56	1 4	1 16	2 24	22 46	0 7	14 1	1 18	28 47	5 10	22 53	22 43	12 15		n.a.
S 3	18 15	22 37	0 31	21 31	1 29	0n 2	3 32	4 24	0 21	16 51	1 5	1 18	2 23	22 46	0 7	14 0	1 18	28 47	5 10	22 53	22 43	12 13		n.a.
S 4	17 59	22 53	0s35	21 41	1 16	0 26	3 41	4 6	0 20	16 47	1 5	1 20	2 23	22 47	0 7	13 59	1 18	28 47	5 10	22 53	22 42	12 10		n.a.
M 5	17 42	22 4	1 38	21 50	1 4	0 50	3 50	3 49	0 19	16 42	1 5	1 23	2 23	22 47	0 7	13 58	1 18	28 47	5 10	22 53	22 42	12 8		n.a.
T 6	17 26	20 16	2 36	21 58	0 51	1 13	3 59	3 31	0 19	16 38	1 5	1 25	2 23	22 47	0 7	13 58	1 18	28 47	5 10	22 52	22 41	12 5		n.a.
W 7	17 9	17 35	3 27	22 6	0 39	1 36	4 8	3 13	0 18	16 33	1 5	1 27	2 22	22 48	0 7	13 57	1 18	28 47	5 10	22 52	22 41	12 3		n.a.
T 8	16 51	14 12	4 8	22 12	0 28	1 58	4 17	2 55	0 17	16 29	1 5	1 30	2 22	22 48	0 7	13 56	1 18	28 47	5 11	22 51	22 41	12 1		n.a.
F 9	16 34	10 16	4 39	22 17	0 16	2 20	4 27	2 38	0 16	16 24	1 5	1 32	2 22	22 48	0 7	13 55	1 18	28 48	5 11	22 49	22 40	11 58		n.a.
S 10	16 16	5 56	4 57	22 22	0 5	2 41	4 36	2 20	0 16	16 20	1 5	1 35	2 22	22 48	0 7	13 55	1 18	28 48	5 11	22 48	22 40	11 56		n.a.
S 11	15 58	1 23	5 3	22 25	0s 5	3 2	4 45	2 2	0 15	16 15	1 5	1 37	2 22	22 49	0 7	13 54	1 18	28 48	5 11	22 46	22 39	11 54		n.a.
M12	15 39	3s15	4 55	22 27	0 16	3 22	4 54	1 44	0 14	16 11	1 5	1 40	2 21	22 49	0 7	13 53	1 18	28 48	5 11	22 45	22 39	11 51		n.a.
T 13	15 21	7 48	4 34	22 27	0 26	3 41	5 4	1 27	0 13	16 6	1 5	1 42	2 21	22 49	0 7	13 52	1 18	28 48	5 11	22 44	22 38	11 49		n.a.
W14	15 2	12 7	4 0	22 27	0 35	4 0	5 13	1 9	0 13	16 1	1 5	1 45	2 21	22 49	0 7	13 51	1 18	28 48	5 12	22 43	22 38	11 47		n.a.
T 15	14 43	15 59	3 14	22 25	0 44	4 18	5 22	0 51	0 12	15 57	1 5	1 47	2 21	22 50	0 7	13 51	1 18	28 48	5 12	22 43	22 38	11 44		n.a.
F 16	14 23	19 12	2 18	22 22	0 53	4 35	5 31	0 33	0 11	15 52	1 5	1 50	2 21	22 50	0 7	13 50	1 18	28 48	5 12	22 43	22 37	11 42		n.a.
S 17	14 4	21 31	1 13	22 17	1 2	4 52	5 41	0 16	0 10	15 48	1 5	1 53	2 20	22 50	0 7	13 49	1 18	28 48	5 12	22 43	22 37	11 40		n.a.
S 18	13 44	22 42	0 2	22 12	1 10	5 7	5 50	0n 2	0 10	15 43	1 5	1 55	2 20	22 50	0 7	13 48	1 18	28 48	5 12	22 43	22 36	11 37		n.a.
M19	13 24	22 31	1n12	22 4	1 17	5 22	5 59	0 20	0 9	15 38	1 5	1 58	2 20	22 51	0 7	13 48	1 18	28 49	5 13	22 42	22 36	11 35		n.a.
T 20	13 4	20 52	2 23	21 56	1 24	5 36	6 8	0 37	0 8	15 34	1 5	2 1	2 20	22 51	0 7	13 47	1 18	28 49	5 13	22 42	22 36	11 32		n.a.
W21	12 43	17 47	3 26	21 46	1 31	5 49	6 16	0 55	0 7	15 29	1 5	2 3	2 20	22 51	0 7	13 46	1 18	28 49	5 13	22 42	22 35	11 30		n.a.
T 22	12 23	13 27	4 17	21 34	1 37	6 0	6 25	1 13	0 7	15 24	1 5	2 6	2 19	22 51	0 7	13 45	1 18	28 49	5 13	22 41	22 35	11 28		n.a.
F 23	12 2	8 14	4 49	21 21	1 43	6 11	6 34	1 30	0 6	15 20	1 5	2 9	2 19	22 51	0 7	13 44	1 18	28 49	5 13	22 39	22 34	11 25		n.a.
S 24	11 41	2 30	5 1	21 7	1 48	6 21	6 42	1 48	0 5	15 15	1 5	2 12	2 19	22 52	0 7	13 44	1 18	28 49	5 13	22 38	22 34	11 23		n.a.
S 25	11 20	3n17	4 52	20 51	1 53	6 29	6 50	2 5	0 5	15 10	1 6	2 14	2 19	22 52	0 7	13 43	1 18	28 49	5 14	22 36	22 34	11 21		n.a.
M26	10 58	8 45	4 23	20 33	1 58	6 36	6 58	2 23	0 4	15 6	1 6	2 17	2 19	22 52	0 7	13 42	1 18	28 49	5 14	22 35	22 33	11 18		n.a.
T 27	10 37	13 34	3 39	20 14	2 2	6 42	7 5	2 40	0 3	15 1	1 6	2 20	2 18	22 52	0 7	13 41	1 18	28 50	5 14	22 34	22 33	11 16		n.a.
W28	10s15	17n30	2n43	19s53	2s 6	6n47	7n12	2n57	0s 3	14s56	1s 6	2n23	2s18	22s52	0s 7	13s40	1s18	28s50	5s14	22s34	22s32	11n13		n.a.

Julian Day Number = 1558552.5, Delta T = 04h25m49s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'51, Lahiri = -10°06'50 Julian Calendar 1 Feb. 446 BCE == Greg. Calendar 27 Jan. 446 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

MARCH 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 10 54	4♓44'59	23♉ 1	11♒51	0°R22	8♈ 9	23♒37	11♈21	13♐50	27♒39	6♋18	12°R18	12♐ 4	17♌56	n.a.	T 1
F 2	10 14 50	5°44'00	5♊50	13°23	0♈13	8°51	23°51	11°28	13°51	27°42	6°19	12♐18	12° 1	18° 3	n.a.	F 2
S 3	10 18 47	6°42'59	18°17	14°56	0° 1	9°33	24° 5	11°35	13°52	27°44	6°20	12°18	11°58	18°10	n.a.	S 3
S 4	10 22 43	7°41'56	0♋29	16°31	29♓46	10°14	24°19	11°42	13°53	27°46	6°21	12°17	11°55	18°16	n.a.	S 4
M 5	10 26 40	8°40'50	12°29	18° 7	29°29	10°56	24°34	11°49	13°54	27°48	6°23	12°14	11°52	18°23	n.a.	M 5
T 6	10 30 37	9°39'42	24°22	19°45	29°10	11°38	24°48	11°56	13°55	27°51	6°24	12° 8	11°49	18°30	n.a.	T 6
W 7	10 34 33	10°38'32	6♌12	21°24	28°48	12°19	25° 2	12° 3	13°56	27°53	6°25	12° 0	11°45	18°36	n.a.	W 7
T 8	10 38 30	11°37'19	18° 2	23° 5	28°24	13° 1	25°16	12°10	13°57	27°55	6°26	11°49	11°42	18°43	n.a.	T 8
F 9	10 42 26	12°36'04	29°55	24°47	27°58	13°42	25°30	12°17	13°58	27°57	6°27	11°36	11°39	18°50	n.a.	F 9
S 10	10 46 23	13°34'47	11♍53	26°30	27°30	14°24	25°44	12°24	13°59	28° 0	6°27	11°22	11°36	18°57	n.a.	S 10
S 11	10 50 19	14°33'27	23°56	28°16	26°59	15° 5	25°58	12°32	13°59	28° 2	6°28	11° 8	11°33	19° 3	n.a.	S 11
M12	10 54 16	15°32'06	6♎ 5	0♓ 2	26°28	15°46	26°12	12°39	14° 0	28° 4	6°29	10°55	11°30	19°10	n.a.	M12
T 13	10 58 12	16°30'43	18°22	1°51	25°54	16°28	26°26	12°46	14° 1	28° 6	6°30	10°44	11°26	19°17	n.a.	T 13
W14	11 2 9	17°29'18	0♏48	3°41	25°19	17° 9	26°40	12°54	14° 1	28° 8	6°31	10°36	11°23	19°23	n.a.	W14
T 15	11 6 5	18°27'51	13°26	5°32	24°44	17°50	26°54	13° 1	14° 2	28°11	6°32	10°31	11°20	19°30	n.a.	T 15
F 16	11 10 2	19°26'22	26°16	7°25	24° 7	18°31	27° 8	13° 8	14° 2	28°13	6°33	10°29	11°17	19°37	n.a.	F 16
S 17	11 13 59	20°24'51	9♐24	9°19	23°29	19°13	27°22	13°16	14° 3	28°15	6°33	10°D29	11°14	19°44	n.a.	S 17
S 18	11 17 55	21°23'19	22°50	11°15	22°51	19°54	27°36	13°23	14° 3	28°17	6°34	10°R29	11°10	19°50	n.a.	S 18
M19	11 21 52	22°21'45	6♑38	13°13	22°13	20°35	27°50	13°31	14° 3	28°19	6°35	10°28	11° 7	19°57	n.a.	M19
T 20	11 25 48	23°20'10	20°49	15°12	21°35	21°16	28° 3	13°38	14° 4	28°21	6°35	10°26	11° 4	20° 4	n.a.	T 20
W21	11 29 45	24°18'33	5♒22	17°13	20°57	21°57	28°17	13°46	14° 4	28°23	6°36	10°21	11° 1	20°10	n.a.	W21
T 22	11 33 41	25°16'54	20°13	19°15	20°20	22°38	28°31	13°54	14° 4	28°25	6°37	10°14	10°58	20°17	n.a.	T 22
F 23	11 37 38	26°15'13	5♓16	21°18	19°44	23°19	28°44	14° 1	14° 4	28°27	6°37	10° 4	10°55	20°24	n.a.	F 23
S 24	11 41 34	27°13'30	20°21	23°23	19° 9	24° 0	28°58	14° 9	14° 4	28°29	6°38	9°54	10°51	20°31	n.a.	S 24
S 25	11 45 31	28°11'46	5♈18	25°29	18°35	24°41	29°12	14°17	14°R 4	28°31	6°38	9°43	10°48	20°37	n.a.	S 25
M26	11 49 27	29°10'00	19°58	27°36	18° 2	25°21	29°25	14°24	14° 4	28°34	6°39	9°34	10°45	20°44	n.a.	M26
T 27	11 53 24	0♈ 8'11	4♉14	29°43	17°31	26° 2	29°38	14°32	14° 4	28°36	6°39	9°28	10°42	20°51	n.a.	T 27
W28	11 57 21	1° 6'21	18° 2	1♈52	17° 1	26°43	29°52	14°40	14° 4	28°38	6°40	9°23	10°39	20°57	n.a.	W28
T 29	12 1 17	2° 4'29	1♊22	4° 1	16°34	27°24	0♓ 5	14°47	14° 4	28°39	6°40	9°22	10°35	21° 4	n.a.	T 29
F 30	12 5 14	3° 2'34	14°15	6°10	16° 9	28° 4	0°18	14°55	14° 4	28°41	6°41	9°D21	10°32	21°11	n.a.	F 30
S 31	12 9 10	4♈ 0'38	26♊47	8♈19	15♓45	28♈45	0♓32	15♈ 3	14♐ 3	28♒43	6♉41	9♐22	10♐29	21♌18	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	9s54	20n23	1n40	19s31	2s 9	6n50	7n19	3n15	0s 2	14s51	1s 6	2n26	2s18	22s53	0s 7	13s40	1s18	28s50	5s14	22s34	22s32	11n11			n.a.
F 2	9 32	22 7	0 34	19 7	2 12	6 52	7 25	3 32	0 1	14 47	1 6	2 29	2 18	22 53	0 7	13 39	1 18	28 50	5 15	22 34	22 31	11 9			n.a.
S 3	9 10	22 42	0s32	18 42	2 14	6 53	7 31	3 49	0 1	14 42	1 6	2 32	2 18	22 53	0 7	13 38	1 18	28 50	5 15	22 34	22 31	11 6			n.a.
S 4	8 47	22 10	1 35	18 15	2 16	6 52	7 36	4 7	0n 0	14 37	1 6	2 34	2 18	22 53	0 7	13 37	1 18	28 50	5 15	22 33	22 31	11 4			n.a.
M 5	8 25	20 38	2 32	17 46	2 17	6 49	7 41	4 24	0 1	14 32	1 6	2 37	2 17	22 53	0 7	13 37	1 18	28 50	5 15	22 33	22 30	11 1			n.a.
T 6	8 3	18 12	3 23	17 16	2 18	6 46	7 45	4 41	0 2	14 28	1 6	2 40	2 17	22 53	0 7	13 36	1 18	28 51	5 15	22 32	22 30	10 59			n.a.
W 7	7 40	15 2	4 4	16 44	2 18	6 40	7 49	4 58	0 2	14 23	1 6	2 43	2 17	22 53	0 7	13 35	1 18	28 51	5 16	22 31	22 29	10 57			n.a.
T 8	7 18	11 16	4 35	16 10	2 18	6 33	7 52	5 15	0 3	14 18	1 6	2 46	2 17	22 54	0 7	13 34	1 18	28 51	5 16	22 30	22 29	10 54			n.a.
F 9	6 55	7 4	4 53	15 35	2 17	6 25	7 54	5 32	0 4	14 14	1 7	2 49	2 17	22 54	0 7	13 34	1 18	28 51	5 16	22 28	22 28	10 52			n.a.
S 10	6 32	2 35	4 59	14 58	2 16	6 15	7 56	5 49	0 4	14 9	1 7	2 52	2 17	22 54	0 7	13 33	1 18	28 51	5 16	22 26	22 28	10 50			n.a.
S 11	6 9	2s 1	4 52	14 20	2 14	6 3	7 56	6 5	0 5	14 4	1 7	2 55	2 17	22 54	0 7	13 32	1 18	28 51	5 17	22 24	22 28	10 47			n.a.
M12	5 46	6 35	4 32	13 40	2 12	5 50	7 56	6 22	0 5	13 59	1 7	2 58	2 16	22 54	0 7	13 31	1 18	28 52	5 17	22 22	22 27	10 45			n.a.
T 13	5 23	10 57	3 58	12 58	2 9	5 36	7 55	6 39	0 6	13 55	1 7	3 1	2 16	22 54	0 7	13 31	1 18	28 52	5 17	22 21	22 27	10 42			n.a.
W14	5 0	14 55	3 13	12 15	2 6	5 21	7 53	6 55	0 7	13 50	1 7	3 4	2 16	22 54	0 8	13 30	1 18	28 52	5 17	22 20	22 26	10 40			n.a.
T 15	4 37	18 15	2 18	11 30	2 2	5 4	7 51	7 12	0 7	13 45	1 7	3 7	2 16	22 54	0 8	13 29	1 18	28 52	5 17	22 19	22 26	10 38			n.a.
F 16	4 14	20 46	1 14	10 43	1 58	4 46	7 47	7 28	0 8	13 40	1 7	3 10	2 16	22 54	0 8	13 28	1 18	28 52	5 18	22 18	22 25	10 35			n.a.
S 17	3 51	22 14	0 6	9 55	1 53	4 27	7 43	7 45	0 9	13 36	1 7	3 13	2 16	22 54	0 8	13 28	1 18	28 52	5 18	22 18	22 25	10 33			n.a.
S 18	3 27	22 28	1n 5	9 5	1 48	4 7	7 37	8 1	0 9	13 31	1 7	3 16	2 16	22 54	0 8	13 27	1 18	28 53	5 18	22 18	22 24	10 30			n.a.
M19	3 4	21 21	2 14	8 14	1 42	3 46	7 31	8 18	0 10	13 26	1 8	3 19	2 16	22 54	0 8	13 26	1 18	28 53	5 18	22 18	22 24	10 28			n.a.
T 20	2 41	18 53	3 16	7 22	1 35	3 24	7 24	8 34	0 11	13 22	1 8	3 22	2 16	22 55	0 8	13 25	1 18	28 53	5 18	22 18	22 24	10 26			n.a.
W21	2 17	15 10	4 8	6 28	1 28	3 2	7 16	8 50	0 11	13 17	1 8	3 25	2 15	22 55	0 8	13 25	1 19	28 53	5 19	22 17	22 23	10 23			n.a.
T 22	1 54	10 27	4 43	5 33	1 21	2 40	7 8	9 6	0 12	13 12	1 8	3 28	2 15	22 55	0 8	13 24	1 19	28 53	5 19	22 16	22 23	10 21			n.a.
F 23	1 30	5 3	5 0	4 36	1 13	2 17	6 58	9 22	0 12	13 7	1 8	3 31	2 15	22 55	0 8	13 23	1 19	28 54	5 19	22 15	22 22	10 18			n.a.
S 24	1 7	0n40	4 56	3 38	1 4	1 54	6 48	9 38	0 13	13 3	1 8	3 35	2 15	22 55	0 8	13 23	1 19	28 54	5 19	22 13	22 22	10 16			n.a.
S 25	0 44	6 17	4 32	2 40	0 55	1 31	6 38	9 53	0 14	12 58	1 8	3 38	2 15	22 55	0 8	13 22	1 19	28 54	5 20	22 12	22 21	10 14			n.a.
M26	0 20	11 27	3 50	1 40	0 46	1 8	6 26	10 9	0 14	12 53	1 8	3 41	2 15	22 55	0 8	13 21	1 19	28 54	5 20	22 10	22 21	10 11			n.a.
T 27	0n 3	15 50	2 55	0 40	0 36	0 45	6 15	10 25	0 15	12 49	1 9	3 44	2 15	22 55	0 8	13 21	1 19	28 54	5 20	22 9	22 20	10 9			n.a.
W28	0 27	19 12	1 51	0n21	0 26	0 22	6 3	10 40	0 15	12 44	1 9	3 47	2 15	22 55	0 8	13 20	1 19	28 55	5 20	22 9	22 20	10 6			n.a.
T 29	0 50	21 23	0 42	1 22	0 16	0 0	5 50	10 56	0 16	12 39	1 9	3 50	2 15	22 55	0 8	13 19	1 19	28 55	5 20	22 8	22 19	10 4			n.a.
F 30	1 13	22 22	0s26	2 24	0 5	0s22	5 37	11 11	0 17	12 35	1 9	3 53	2 15	22 55	0 8	13 19	1 19	28 55	5 21	22 8	22 19	10 1			n.a.
S 31	1n37	22n11	1s31	3n25	0n 5	0s43	5n24	11n26	0n17	12s30	1s 9	3n56	2s15	22s55	0s 8	13s18	1s19	28s55	5s21	22s 8	22s18	9n59			n.a.

Julian Day Number = 1558580.5, Delta T = 04h25m48s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'47, Lahiri = -10°06'46 Julian Calendar 1 March 446 BCE == Greg. Calendar 24 Feb. 446 BCE

The year -445 astronomical counting style corresponds to year 446 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

APRIL 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 13 7	4♈58'40	9♋ 0	10♈28	15°R24	29♈26	0♓45	15♈11	14°R 3	28♒45	6♑41	9°R22	10♐26	21♌24	n.a.	S 1
M 2	12 17 3	5°56'39	21° 1	12°36	15♓ 6	0♉ 6	0°58	15°19	14♐ 3	28°47	6°42	9♐21	10°23	21°31	n.a.	M 2
T 3	12 21 0	6°54'37	2♌55	14°44	14°49	0°47	1°11	15°26	14° 2	28°49	6°42	9°18	10°20	21°38	n.a.	T 3
W 4	12 24 56	7°52'32	14°46	16°50	14°35	1°27	1°24	15°34	14° 2	28°51	6°42	9°12	10°16	21°44	n.a.	W 4
T 5	12 28 53	8°50'26	26°37	18°55	14°24	2° 8	1°37	15°42	14° 1	28°53	6°43	9° 4	10°13	21°51	n.a.	T 5
F 6	12 32 50	9°48'18	8♍34	20°58	14°15	2°48	1°50	15°50	14° 1	28°55	6°43	8°54	10°10	21°58	n.a.	F 6
S 7	12 36 46	10°46'08	20°37	22°59	14° 8	3°28	2° 2	15°58	14° 0	28°56	6°43	8°44	10° 7	22° 5	n.a.	S 7
S 8	12 40 43	11°43'56	2♎49	24°58	14° 4	4° 9	2°15	16° 6	13°59	28°58	6°43	8°33	10° 4	22°11	n.a.	S 8
M 9	12 44 39	12°41'43	15°10	26°54	14°D 2	4°49	2°28	16°13	13°59	29° 0	6°43	8°23	10° 1	22°18	n.a.	M 9
T 10	12 48 36	13°39'28	27°42	28°48	14° 2	5°29	2°40	16°21	13°58	29° 2	6°43	8°15	9°57	22°25	n.a.	T 10
W11	12 52 32	14°37'12	10♏24	0♑39	14° 5	6°10	2°53	16°29	13°57	29° 3	6°43	8°10	9°54	22°31	n.a.	W11
T 12	12 56 29	15°34'54	23°18	2°27	14°10	6°50	3° 5	16°37	13°56	29° 5	6°44	8° 6	9°51	22°38	n.a.	T 12
F 13	13 0 25	16°32'35	6♐24	4°12	14°18	7°30	3°18	16°45	13°55	29° 7	6°44	8°D 5	9°48	22°45	n.a.	F 13
S 14	13 4 22	17°30'15	19°42	5°54	14°27	8°10	3°30	16°53	13°54	29° 9	6°R44	8° 6	9°45	22°52	n.a.	S 14
S 15	13 8 19	18°27'54	3♑16	7°33	14°39	8°50	3°42	17° 1	13°53	29°10	6°44	8° 7	9°41	22°58	n.a.	S 15
M16	13 12 15	19°25'32	17° 4	9° 8	14°53	9°30	3°54	17° 9	13°52	29°12	6°43	8°R 8	9°38	23° 5	n.a.	M16
T 17	13 16 12	20°23'08	1♒ 8	10°40	15° 9	10°10	4° 6	17°16	13°51	29°13	6°43	8° 7	9°35	23°12	n.a.	T 17
W18	13 20 8	21°20'44	15°27	12° 9	15°26	10°50	4°18	17°24	13°50	29°15	6°43	8° 5	9°32	23°18	n.a.	W18
T 19	13 24 5	22°18'18	29°59	13°34	15°46	11°30	4°30	17°32	13°49	29°17	6°43	8° 1	9°29	23°25	n.a.	T 19
F 20	13 28 1	23°15'51	14♓38	14°56	16° 7	12°10	4°42	17°40	13°48	29°18	6°43	7°55	9°26	23°32	n.a.	F 20
S 21	13 31 58	24°13'24	29°19	16°14	16°30	12°50	4°54	17°48	13°47	29°20	6°43	7°49	9°22	23°39	n.a.	S 21
S 22	13 35 54	25°10'55	13♈54	17°28	16°55	13°30	5° 6	17°56	13°45	29°21	6°43	7°42	9°19	23°45	n.a.	S 22
M23	13 39 51	26° 8'25	28°17	18°39	17°21	14°10	5°17	18° 4	13°44	29°22	6°42	7°36	9°16	23°52	n.a.	M23
T 24	13 43 47	27° 5'54	12♉21	19°46	17°49	14°50	5°29	18°11	13°43	29°24	6°42	7°32	9°13	23°59	n.a.	T 24
W25	13 47 44	28° 3'21	26° 3	20°50	18°19	15°30	5°40	18°19	13°41	29°25	6°42	7°30	9°10	24° 5	n.a.	W25
T 26	13 51 41	29° 0'48	9♊21	21°49	18°50	16° 9	5°51	18°27	13°40	29°27	6°41	7°D29	9° 7	24°12	n.a.	T 26
F 27	13 55 37	29°58'13	22°15	22°45	19°22	16°49	6° 2	18°35	13°38	29°28	6°41	7°30	9° 3	24°19	n.a.	F 27
S 28	13 59 34	0♉55'37	4♋49	23°37	19°55	17°29	6°14	18°43	13°37	29°29	6°41	7°32	9° 0	24°26	n.a.	S 28
S 29	14 3 30	1°52'59	17° 5	24°24	20°30	18° 9	6°25	18°50	13°35	29°31	6°40	7°33	8°57	24°32	n.a.	S 29
M30	14 7 27	2♉50'20	29♋ 9	25♉ 8	21♓ 6	18♉48	6♓36	18♈58	13♐33	29♒32	6♑40	7°R34	8♐54	24♌39	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 0	20n56	2s31	4n26	0n16	1s 3	5n11	11n41	0n18	12s26	1s 9	3n59	2s15	22s55	0s 8	13s17	1s19	28s55	5s21	22s 8	22s18	9n57		n.a.
M 2	2 23	18 44	3 23	5 27	0 27	1 23	4 57	11 56	0 18	12 21	1 9	4 2	2 14	22 55	0 8	13 17	1 19	28 56	5 21	22 8	22 18	9 54		n.a.
T 3	2 47	15 47	4 5	6 27	0 38	1 42	4 44	12 11	0 19	12 17	1 10	4 5	2 14	22 55	0 8	13 16	1 19	28 56	5 22	22 8	22 17	9 52		n.a.
W 4	3 10	12 12	4 37	7 26	0 48	2 0	4 30	12 26	0 20	12 12	1 10	4 9	2 14	22 55	0 8	13 15	1 19	28 56	5 22	22 7	22 17	9 49		n.a.
T 5	3 33	8 9	4 57	8 24	0 59	2 17	4 17	12 41	0 20	12 7	1 10	4 12	2 14	22 54	0 8	13 15	1 19	28 56	5 22	22 6	22 16	9 47		n.a.
F 6	3 56	3 46	5 4	9 21	1 9	2 33	4 3	12 55	0 21	12 3	1 10	4 15	2 14	22 54	0 8	13 14	1 19	28 56	5 22	22 4	22 16	9 45		n.a.
S 7	4 19	0s47	4 57	10 15	1 18	2 48	3 49	13 10	0 21	11 58	1 10	4 18	2 14	22 54	0 8	13 13	1 19	28 57	5 23	22 3	22 15	9 42		n.a.
S 8	4 42	5 22	4 38	11 9	1 28	3 2	3 36	13 24	0 22	11 54	1 10	4 21	2 14	22 54	0 8	13 13	1 19	28 57	5 23	22 1	22 15	9 40		n.a.
M 9	5 5	9 48	4 4	12 0	1 37	3 15	3 23	13 39	0 22	11 49	1 10	4 24	2 14	22 54	0 8	13 12	1 19	28 57	5 23	21 59	22 14	9 37		n.a.
T 10	5 27	13 52	3 19	12 49	1 45	3 27	3 9	13 53	0 23	11 45	1 11	4 27	2 14	22 54	0 8	13 12	1 19	28 57	5 23	21 58	22 14	9 35		n.a.
W11	5 50	17 23	2 23	13 36	1 53	3 38	2 56	14 7	0 23	11 41	1 11	4 30	2 14	22 54	0 8	13 11	1 19	28 58	5 23	21 57	22 13	9 32		n.a.
T 12	6 13	20 6	1 19	14 21	2 0	3 48	2 44	14 21	0 24	11 36	1 11	4 33	2 14	22 54	0 8	13 11	1 19	28 58	5 24	21 57	22 13	9 30		n.a.
F 13	6 35	21 48	0 9	15 4	2 6	3 56	2 31	14 35	0 25	11 32	1 11	4 36	2 14	22 54	0 8	13 10	1 19	28 58	5 24	21 56	22 12	9 28		n.a.
S 14	6 57	22 19	1n 2	15 44	2 12	4 4	2 19	14 48	0 25	11 27	1 11	4 39	2 14	22 54	0 8	13 9	1 19	28 58	5 24	21 56	22 12	9 25		n.a.
S 15	7 20	21 31	2 11	16 22	2 17	4 11	2 6	15 2	0 26	11 23	1 11	4 42	2 14	22 54	0 8	13 9	1 19	28 58	5 24	21 57	22 11	9 23		n.a.
M16	7 42	19 26	3 14	16 57	2 21	4 16	1 55	15 15	0 26	11 19	1 12	4 46	2 14	22 54	0 8	13 8	1 19	28 59	5 25	21 57	22 11	9 20		n.a.
T 17	8 4	16 9	4 7	17 30	2 25	4 21	1 43	15 29	0 27	11 15	1 12	4 49	2 14	22 53	0 8	13 8	1 19	28 59	5 25	21 57	22 10	9 18		n.a.
W18	8 26	11 53	4 45	18 1	2 27	4 24	1 32	15 42	0 27	11 10	1 12	4 52	2 14	22 53	0 8	13 7	1 20	28 59	5 25	21 56	22 10	9 16		n.a.
T 19	8 48	6 52	5 5	18 29	2 29	4 27	1 20	15 55	0 28	11 6	1 12	4 55	2 14	22 53	0 8	13 7	1 20	28 59	5 25	21 56	22 10	9 13		n.a.
F 20	9 9	1 26	5 6	18 55	2 30	4 29	1 10	16 8	0 28	11 2	1 12	4 58	2 14	22 53	0 8	13 6	1 20	29 0	5 25	21 55	22 9	9 11		n.a.
S 21	9 31	4n 6	4 47	19 18	2 31	4 29	0 59	16 21	0 29	10 58	1 13	5 1	2 14	22 53	0 8	13 6	1 20	29 0	5 26	21 54	22 9	9 8		n.a.
S 22	9 52	9 22	4 9	19 39	2 30	4 29	0 49	16 34	0 29	10 53	1 13	5 4	2 14	22 53	0 8	13 5	1 20	29 0	5 26	21 53	22 8	9 6		n.a.
M23	10 13	14 3	3 16	19 58	2 28	4 28	0 39	16 46	0 30	10 49	1 13	5 7	2 14	22 53	0 8	13 5	1 20	29 0	5 26	21 52	22 8	9 3		n.a.
T 24	10 34	17 50	2 12	20 15	2 26	4 26	0 29	16 59	0 30	10 45	1 13	5 10	2 14	22 52	0 8	13 4	1 20	29 1	5 26	21 51	22 7	9 1		n.a.
W25	10 55	20 31	1 2	20 29	2 23	4 23	0 20	17 11	0 31	10 41	1 13	5 13	2 14	22 52	0 8	13 4	1 20	29 1	5 27	21 51	22 7	8 59		n.a.
T 26	11 16	21 58	0s10	20 41	2 19	4 19	0 11	17 23	0 31	10 37	1 14	5 16	2 14	22 52	0 8	13 4	1 20	29 1	5 27	21 50	22 6	8 56		n.a.
F 27	11 36	22 12	1 19	20 51	2 14	4 14	0 2	17 35	0 32	10 33	1 14	5 19	2 14	22 52	0 8	13 3	1 20	29 1	5 27	21 51	22 6	8 54		n.a.
S 28	11 57	21 16	2 23	20 59	2 8	4 9	0s 7	17 47	0 32	10 29	1 14	5 22	2 14	22 52	0 8	13 3	1 20	29 1	5 27	21 51	22 5	8 51		n.a.
S 29	12 17	19 21	3 19	21 4	2 1	4 3	0 15	17 59	0 33	10 25	1 14	5 25	2 14	22 52	0 8	13 2	1 20	29 2	5 27	21 51	22 5	8 49		n.a.
M30	12n37	16n36	4s 5	21n 7	1n53	3s56	0s23	18n10	0n33	10s21	1s14	5n28	2s14	22s51	0s 8	13s 2	1s20	29s 2	5s28	21s51	22s 4	8n46		n.a.

Julian Day Number = 1558611.5, Delta T = 04h25m46s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'43, Lahiri = -10°06'42 Julian Calendar 1 Apr. 446 BCE == Greg. Calendar 27 March 446 BCE

The year -445 astronomical counting style corresponds to year 446 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

MAY 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 11 23	3♉47'40	11♌ 4	25♉47	21♓44	19♉28	6♓46	19♈ 6	13°R32	29♒33	6°R39	7°R34	8♐51	24♌46	n.a.	T 1
W 2	14 15 20	4°44'59	22°57	26°22	22°22	20° 7	6°57	19°14	13♐30	29°34	6♑39	7♐32	8°47	24°52	n.a.	W 2
T 3	14 19 17	5°42'16	4♍51	26°53	23° 1	20°47	7° 8	19°21	13°28	29°35	6°39	7°29	8°44	24°59	n.a.	T 3
F 4	14 23 13	6°39'33	16°50	27°19	23°42	21°27	7°18	19°29	13°27	29°37	6°38	7°25	8°41	25° 6	n.a.	F 4
S 5	14 27 10	7°36'48	28°59	27°40	24°24	22° 6	7°29	19°36	13°25	29°38	6°37	7°21	8°38	25°13	n.a.	S 5
S 6	14 31 6	8°34'02	11♎19	27°58	25° 6	22°46	7°39	19°44	13°23	29°39	6°37	7°16	8°35	25°19	n.a.	S 6
M 7	14 35 3	9°31'16	23°52	28°10	25°50	23°25	7°49	19°52	13°21	29°40	6°36	7°11	8°32	25°26	n.a.	M 7
T 8	14 38 59	10°28'29	6♏39	28°18	26°34	24° 4	7°59	19°59	13°19	29°41	6°36	7° 8	8°28	25°33	n.a.	T 8
W 9	14 42 56	11°25'41	19°41	28°R21	27°19	24°44	8° 9	20° 7	13°17	29°42	6°35	7° 5	8°25	25°40	n.a.	W 9
T 10	14 46 52	12°22'52	2♐57	28°20	28° 5	25°23	8°19	20°14	13°15	29°43	6°34	7°D 5	8°22	25°46	n.a.	T 10
F 11	14 50 49	13°20'03	16°25	28°15	28°52	26° 3	8°29	20°22	13°13	29°44	6°34	7° 5	8°19	25°53	n.a.	F 11
S 12	14 54 46	14°17'13	0♑ 5	28° 5	29°40	26°42	8°39	20°29	13°11	29°45	6°33	7° 6	8°16	26° 0	n.a.	S 12
S 13	14 58 42	15°14'23	13°56	27°51	0♈29	27°21	8°48	20°37	13° 9	29°46	6°32	7° 7	8°12	26° 6	n.a.	S 13
M14	15 2 39	16°11'33	27°56	27°33	1°18	28° 0	8°58	20°44	13° 7	29°46	6°31	7° 8	8° 9	26°13	n.a.	M14
T 15	15 6 35	17° 8'42	12♒ 4	27°11	2° 8	28°40	9° 7	20°51	13° 5	29°47	6°31	7°R 9	8° 6	26°20	n.a.	T 15
W16	15 10 32	18° 5'51	26°18	26°47	2°58	29°19	9°16	20°59	13° 3	29°48	6°30	7° 9	8° 3	26°27	n.a.	W16
T 17	15 14 28	19° 3'00	10♓35	26°19	3°50	29°58	9°25	21° 6	13° 1	29°49	6°29	7° 8	8° 0	26°33	n.a.	T 17
F 18	15 18 25	20° 0'09	24°53	25°49	4°41	0♊37	9°34	21°13	12°59	29°49	6°28	7° 6	7°57	26°40	n.a.	F 18
S 19	15 22 21	20°57'18	9♈ 8	25°17	5°34	1°16	9°43	21°21	12°57	29°50	6°27	7° 4	7°53	26°47	n.a.	S 19
S 20	15 26 18	21°54'26	23°15	24°43	6°27	1°56	9°52	21°28	12°55	29°51	6°26	7° 2	7°50	26°53	n.a.	S 20
M21	15 30 15	22°51'34	7♉12	24° 9	7°20	2°35	10° 0	21°35	12°52	29°51	6°26	7° 1	7°47	27° 0	n.a.	M21
T 22	15 34 11	23°48'43	20°53	23°34	8°15	3°14	10° 8	21°42	12°50	29°52	6°25	7° 0	7°44	27° 7	n.a.	T 22
W23	15 38 8	24°45'51	4♊18	23° 0	9° 9	3°53	10°17	21°49	12°48	29°53	6°24	6°D59	7°41	27°14	n.a.	W23
T 24	15 42 4	25°42'58	17°25	22°26	10° 4	4°32	10°25	21°56	12°46	29°53	6°23	6°59	7°38	27°20	n.a.	T 24
F 25	15 46 1	26°40'06	0♋13	21°54	11° 0	5°11	10°33	22° 3	12°43	29°54	6°22	7° 0	7°34	27°27	n.a.	F 25
S 26	15 49 57	27°37'13	12°44	21°24	11°56	5°50	10°41	22°10	12°41	29°54	6°21	7° 1	7°31	27°34	n.a.	S 26
S 27	15 53 54	28°34'20	25° 0	20°57	12°52	6°29	10°48	22°17	12°39	29°55	6°20	7° 2	7°28	27°41	n.a.	S 27
M28	15 57 50	29°31'26	7♌ 4	20°32	13°49	7° 8	10°56	22°24	12°36	29°55	6°19	7° 2	7°25	27°47	n.a.	M28
T 29	16 1 47	0♊28'32	19° 1	20°11	14°47	7°47	11° 3	22°31	12°34	29°55	6°18	7° 3	7°22	27°54	n.a.	T 29
W30	16 5 44	1°25'38	0♍54	19°54	15°44	8°26	11°11	22°37	12°32	29°56	6°17	7°R 3	7°18	28° 1	n.a.	W30
T 31	16 9 40	2♊22'44	12♍49	19♉41	16♈43	9♊ 5	11♓18	22♈44	12♐29	29♒56	6♑16	7♐ 3	7♐15	28♌ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12n57	13n12	4s39	21n 9	1n45	3s48	0s31	18n22	0n34	10s17	1s15	5n30	2s14	22s51	0s 8	13s 1	1s20	29s 2	5s28	21s51	22s 4	8n44		n.a.
W 2	13 16	9 17	5 2	21 8	1 35	3 40	0 39	18 33	0 34	10 14	1 15	5 33	2 14	22 51	0 8	13 1	1 20	29 2	5 28	21 51	22 3	8 42		n.a.
T 3	13 36	5 2	5 12	21 5	1 25	3 30	0 46	18 44	0 35	10 10	1 15	5 36	2 14	22 51	0 8	13 1	1 20	29 3	5 28	21 50	22 3	8 39		n.a.
F 4	13 55	0 33	5 8	21 1	1 14	3 21	0 53	18 55	0 35	10 6	1 15	5 39	2 14	22 51	0 8	13 0	1 20	29 3	5 29	21 50	22 2	8 37		n.a.
S 5	14 14	4s 1	4 50	20 54	1 2	3 10	1 0	19 6	0 36	10 2	1 16	5 42	2 14	22 50	0 8	13 0	1 20	29 3	5 29	21 49	22 2	8 34		n.a.
S 6	14 32	8 30	4 19	20 46	0 49	2 59	1 6	19 17	0 36	9 59	1 16	5 45	2 14	22 50	0 8	13 0	1 20	29 3	5 29	21 48	22 1	8 32		n.a.
M 7	14 51	12 42	3 35	20 36	0 36	2 47	1 13	19 27	0 37	9 55	1 16	5 48	2 14	22 50	0 8	12 59	1 20	29 4	5 29	21 47	22 1	8 29		n.a.
T 8	15 9	16 25	2 39	20 24	0 22	2 35	1 19	19 38	0 37	9 51	1 16	5 51	2 14	22 50	0 8	12 59	1 20	29 4	5 29	21 47	22 0	8 27		n.a.
W 9	15 27	19 23	1 34	20 10	0 7	2 22	1 25	19 48	0 38	9 48	1 16	5 53	2 14	22 50	0 8	12 59	1 21	29 4	5 30	21 46	22 0	8 25		n.a.
T 10	15 45	21 23	0 23	19 55	0s 8	2 9	1 30	19 58	0 38	9 44	1 17	5 56	2 14	22 49	0 8	12 58	1 21	29 4	5 30	21 46	21 59	8 22		n.a.
F 11	16 3	22 12	0n51	19 38	0 24	1 55	1 36	20 8	0 38	9 41	1 17	5 59	2 14	22 49	0 8	12 58	1 21	29 5	5 30	21 46	21 59	8 20		n.a.
S 12	16 20	21 42	2 3	19 20	0 41	1 40	1 41	20 18	0 39	9 37	1 17	6 2	2 15	22 49	0 8	12 58	1 21	29 5	5 30	21 47	21 58	8 17		n.a.
S 13	16 37	19 52	3 9	19 1	0 57	1 25	1 46	20 28	0 39	9 34	1 17	6 5	2 15	22 49	0 8	12 58	1 21	29 5	5 30	21 47	21 58	8 15		n.a.
M14	16 54	16 51	4 4	18 40	1 14	1 10	1 51	20 37	0 40	9 31	1 18	6 7	2 15	22 48	0 8	12 57	1 21	29 5	5 31	21 47	21 57	8 12		n.a.
T 15	17 10	12 49	4 46	18 19	1 31	0 54	1 55	20 46	0 40	9 27	1 18	6 10	2 15	22 48	0 8	12 57	1 21	29 6	5 31	21 47	21 57	8 10		n.a.
W16	17 27	8 4	5 10	17 57	1 47	0 38	1 59	20 56	0 41	9 24	1 18	6 13	2 15	22 48	0 8	12 57	1 21	29 6	5 31	21 47	21 56	8 7		n.a.
T 17	17 42	2 51	5 15	17 34	2 4	0 21	2 4	21 4	0 41	9 21	1 18	6 15	2 15	22 48	0 8	12 57	1 21	29 6	5 31	21 47	21 55	8 5		n.a.
F 18	17 58	2n31	5 0	17 12	2 20	0 4	2 7	21 13	0 42	9 18	1 19	6 18	2 15	22 47	0 8	12 56	1 21	29 6	5 31	21 47	21 55	8 3		n.a.
S 19	18 14	7 45	4 27	16 49	2 36	0n14	2 11	21 22	0 42	9 14	1 19	6 21	2 15	22 47	0 8	12 56	1 21	29 6	5 32	21 46	21 54	8 0		n.a.
S 20	18 29	12 31	3 39	16 26	2 50	0 32	2 15	21 30	0 42	9 11	1 19	6 23	2 15	22 47	0 8	12 56	1 21	29 7	5 32	21 46	21 54	7 58		n.a.
M21	18 44	16 34	2 37	16 4	3 4	0 50	2 18	21 39	0 43	9 8	1 19	6 26	2 15	22 47	0 9	12 56	1 21	29 7	5 32	21 46	21 53	7 55		n.a.
T 22	18 58	19 37	1 28	15 43	3 18	1 9	2 21	21 47	0 43	9 5	1 20	6 29	2 15	22 46	0 9	12 56	1 21	29 7	5 32	21 45	21 53	7 53		n.a.
W23	19 12	21 31	0 15	15 23	3 30	1 28	2 24	21 55	0 44	9 2	1 20	6 31	2 15	22 46	0 9	12 56	1 21	29 7	5 32	21 45	21 52	7 50		n.a.
T 24	19 26	22 11	0s57	15 4	3 40	1 47	2 27	22 3	0 44	9 0	1 20	6 34	2 15	22 46	0 9	12 55	1 21	29 8	5 33	21 45	21 52	7 48		n.a.
F 25	19 40	21 40	2 5	14 46	3 50	2 7	2 30	22 10	0 45	8 57	1 20	6 36	2 16	22 45	0 9	12 55	1 21	29 8	5 33	21 46	21 51	7 46		n.a.
S 26	19 53	20 3	3 5	14 31	3 58	2 27	2 32	22 18	0 45	8 54	1 21	6 39	2 16	22 45	0 9	12 55	1 21	29 8	5 33	21 46	21 51	7 43		n.a.
S 27	20 6	17 33	3 56	14 17	4 5	2 47	2 34	22 25	0 45	8 51	1 21	6 41	2 16	22 45	0 9	12 55	1 21	29 8	5 33	21 46	21 50	7 41		n.a.
M28	20 19	14 19	4 35	14 5	4 10	3 7	2 36	22 32	0 46	8 49	1 21	6 44	2 16	22 45	0 9	12 55	1 22	29 9	5 33	21 46	21 50	7 38		n.a.
T 29	20 31	10 33	5 1	13 56	4 14	3 28	2 38	22 39	0 46	8 46	1 22	6 46	2 16	22 44	0 9	12 55	1 22	29 9	5 33	21 46	21 49	7 36		n.a.
W30	20 43	6 23	5 15	13 49	4 17	3 49	2 40	22 46	0 47	8 43	1 22	6 49	2 16	22 44	0 9	12 55	1 22	29 9	5 34	21 46	21 49	7 33		n.a.
T 31	20n54	1n59	5s15	13n44	4s18	4n10	2s42	22n52	0n47	8s41	1s22	6n51	2s16	22s44	0s 9	12s55	1s22	29s 9	5s34	21s46	21s48	7n31		n.a.

Julian Day Number = 1558641.5, Delta T = 04h25m45s
Ecliptic obliquity = 23°44'54, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'39, Lahiri = -10°06'38 Julian Calendar 1 May 446 BCE == Greg. Calendar 26 Apr. 446 BCE

The year -445 astronomical counting style corresponds to year 446 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

JUNE 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 13 37	3♊19'49	24♍50	19°R32	17♈41	9♊43	11♓25	22♈51	12°R27	29♒56	6°R14	7°R 3	7♐12	28♌14	n.a.	F 1
S 2	16 17 33	4°16'54	7♎ 0	19°D28	18°40	10°22	11°32	22°57	12♐25	29°56	6♑13	7♐ 2	7° 9	28°21	n.a.	S 2
S 3	16 21 30	5°13'59	19°25	19♉29	19°39	11° 1	11°38	23° 4	12°22	29°57	6°12	7° 2	7° 6	28°28	n.a.	S 3
M 4	16 25 26	6°11'04	2♏ 6	19°35	20°39	11°40	11°45	23°11	12°20	29°57	6°11	7° 2	7° 3	28°34	n.a.	M 4
T 5	16 29 23	7° 8'09	15° 6	19°45	21°39	12°19	11°51	23°17	12°17	29°57	6°10	7°D 2	6°59	28°41	n.a.	T 5
W 6	16 33 19	8° 5'14	28°25	20° 1	22°39	12°57	11°58	23°23	12°15	29°57	6° 9	7° 2	6°56	28°48	n.a.	W 6
T 7	16 37 16	9° 2'20	12♐ 3	20°22	23°40	13°36	12° 4	23°30	12°13	29°57	6° 7	7°R 2	6°53	28°54	n.a.	T 7
F 8	16 41 13	9°59'25	25°57	20°49	24°41	14°15	12°10	23°36	12°10	29°57	6° 6	7° 2	6°50	29° 1	n.a.	F 8
S 9	16 45 9	10°56'32	10♑ 4	21°20	25°42	14°54	12°15	23°42	12° 8	29°R57	6° 5	7° 2	6°47	29° 8	n.a.	S 9
S 10	16 49 6	11°53'38	24°21	21°57	26°43	15°32	12°21	23°48	12° 5	29°57	6° 4	7° 1	6°44	29°15	n.a.	S 10
M11	16 53 2	12°50'45	8♒42	22°38	27°45	16°11	12°26	23°55	12° 3	29°57	6° 3	7° 1	6°40	29°21	n.a.	M11
T 12	16 56 59	13°47'53	23° 4	23°25	28°47	16°50	12°32	24° 1	12° 0	29°57	6° 1	7° 0	6°37	29°28	n.a.	T 12
W13	17 0 55	14°45'02	7♓23	24°17	29°50	17°28	12°37	24° 7	11°58	29°57	6° 0	7° 0	6°34	29°35	n.a.	W13
T 14	17 4 52	15°42'11	21°35	25°13	0♉52	18° 7	12°42	24°12	11°56	29°57	5°59	7°D 0	6°31	29°42	n.a.	T 14
F 15	17 8 49	16°39'21	5♈39	26°15	1°55	18°46	12°46	24°18	11°53	29°57	5°58	7° 0	6°28	29°48	n.a.	F 15
S 16	17 12 45	17°36'32	19°33	27°21	2°58	19°24	12°51	24°24	11°51	29°56	5°56	7° 1	6°24	29°55	n.a.	S 16
S 17	17 16 42	18°33'44	3♉15	28°32	4° 2	20° 3	12°55	24°30	11°48	29°56	5°55	7° 2	6°21	0♍ 2	n.a.	S 17
M18	17 20 38	19°30'57	16°45	29°48	5° 5	20°41	13° 0	24°35	11°46	29°56	5°54	7° 3	6°18	0° 8	n.a.	M18
T 19	17 24 35	20°28'10	0♊ 2	1♊ 8	6° 9	21°20	13° 4	24°41	11°44	29°56	5°52	7° 3	6°15	0°15	n.a.	T 19
W20	17 28 31	21°25'24	13° 5	2°32	7°13	21°58	13° 7	24°47	11°41	29°55	5°51	7°R 3	6°12	0°22	n.a.	W20
T 21	17 32 28	22°22'40	25°54	4° 1	8°18	22°37	13°11	24°52	11°39	29°55	5°50	7° 3	6° 9	0°29	n.a.	T 21
F 22	17 36 24	23°19'55	8♋30	5°34	9°22	23°16	13°15	24°57	11°36	29°54	5°48	7° 1	6° 5	0°35	n.a.	F 22
S 23	17 40 21	24°17'12	20°52	7°11	10°27	23°54	13°18	25° 3	11°34	29°54	5°47	6°59	6° 2	0°42	n.a.	S 23
S 24	17 44 18	25°14'29	3♌ 4	8°52	11°32	24°33	13°21	25° 8	11°32	29°54	5°46	6°56	5°59	0°49	n.a.	S 24
M25	17 48 14	26°11'47	15° 6	10°37	12°37	25°11	13°24	25°13	11°29	29°53	5°44	6°53	5°56	0°56	n.a.	M25
T 26	17 52 11	27° 9'05	27° 1	12°25	13°42	25°49	13°27	25°18	11°27	29°53	5°43	6°51	5°53	1° 2	n.a.	T 26
W27	17 56 7	28° 6'25	8♍54	14°16	14°48	26°28	13°29	25°23	11°25	29°52	5°42	6°49	5°50	1° 9	n.a.	W27
T 28	18 0 4	29° 3'44	20°48	16°10	15°53	27° 6	13°32	25°28	11°23	29°51	5°40	6°47	5°46	1°16	n.a.	T 28
F 29	18 4 0	0♋ 1'05	2♎47	18° 6	16°59	27°45	13°34	25°33	11°20	29°51	5°39	6°D47	5°43	1°22	n.a.	F 29
S 30	18 7 57	0♋58'26	14♎56	20♊ 5	18♉ 5	28♊23	13♓36	25♈38	11♐18	29♒50	5♑37	6♐48	5♐40	1♍29	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n 6	2s32	5s 2	13n42	4s18	4n31	2s43	22n59	0n47	8s39	1s22	6n53	2s16	22s43	0s 9	12s55	1s22	29s 9	5s34	21s46	21s48	7n28		n.a.
S 2	21 16	7 1	4 35	13 43	4 17	4 52	2 45	23 5	0 48	8 36	1 23	6 56	2 16	22 43	0 9	12 55	1 22	29 10	5 34	21 46	21 47	7 26		n.a.
S 3	21 27	11 18	3 54	13 45	4 14	5 14	2 46	23 11	0 48	8 34	1 23	6 58	2 17	22 43	0 9	12 55	1 22	29 10	5 34	21 46	21 47	7 24		n.a.
M 4	21 37	15 12	3 2	13 51	4 10	5 36	2 47	23 17	0 49	8 32	1 23	7 0	2 17	22 42	0 9	12 55	1 22	29 10	5 34	21 46	21 46	7 21		n.a.
T 5	21 47	18 28	1 59	13 58	4 5	5 57	2 48	23 22	0 49	8 29	1 24	7 3	2 17	22 42	0 9	12 55	1 22	29 10	5 35	21 46	21 45	7 19		n.a.
W 6	21 56	20 50	0 48	14 9	3 59	6 19	2 48	23 28	0 49	8 27	1 24	7 5	2 17	22 42	0 9	12 55	1 22	29 11	5 35	21 46	21 45	7 16		n.a.
T 7	22 5	22 4	0n28	14 21	3 52	6 41	2 49	23 33	0 50	8 25	1 24	7 7	2 17	22 42	0 9	12 55	1 22	29 11	5 35	21 46	21 44	7 14		n.a.
F 8	22 14	21 58	1 43	14 35	3 44	7 3	2 49	23 38	0 50	8 23	1 24	7 9	2 17	22 41	0 9	12 55	1 22	29 11	5 35	21 46	21 44	7 11		n.a.
S 9	22 22	20 29	2 53	14 52	3 35	7 26	2 50	23 43	0 50	8 21	1 25	7 11	2 17	22 41	0 9	12 55	1 22	29 11	5 35	21 46	21 43	7 9		n.a.
S 10	22 30	17 42	3 53	15 11	3 26	7 48	2 50	23 48	0 51	8 19	1 25	7 14	2 18	22 41	0 9	12 55	1 22	29 11	5 35	21 46	21 43	7 6		n.a.
M11	22 38	13 50	4 39	15 31	3 15	8 10	2 50	23 52	0 51	8 17	1 25	7 16	2 18	22 40	0 9	12 55	1 22	29 12	5 35	21 46	21 42	7 4		n.a.
T 12	22 45	9 10	5 7	15 53	3 5	8 32	2 50	23 57	0 52	8 16	1 26	7 18	2 18	22 40	0 9	12 55	1 22	29 12	5 36	21 46	21 42	7 2		n.a.
W13	22 52	4 1	5 17	16 17	2 53	8 55	2 50	24 1	0 52	8 14	1 26	7 20	2 18	22 40	0 9	12 55	1 22	29 12	5 36	21 45	21 41	6 59		n.a.
T 14	22 58	1n18	5 6	16 42	2 41	9 17	2 49	24 5	0 52	8 12	1 26	7 22	2 18	22 39	0 9	12 55	1 22	29 12	5 36	21 45	21 41	6 57		n.a.
F 15	23 4	6 31	4 38	17 9	2 29	9 39	2 49	24 8	0 53	8 11	1 27	7 24	2 18	22 39	0 9	12 55	1 23	29 12	5 36	21 46	21 40	6 54		n.a.
S 16	23 10	11 20	3 54	17 36	2 16	10 2	2 48	24 12	0 53	8 9	1 27	7 26	2 18	22 39	0 9	12 55	1 23	29 13	5 36	21 46	21 39	6 52		n.a.
S 17	23 15	15 31	2 56	18 5	2 4	10 24	2 48	24 15	0 53	8 8	1 27	7 28	2 19	22 38	0 9	12 56	1 23	29 13	5 36	21 46	21 39	6 49		n.a.
M18	23 20	18 49	1 50	18 34	1 50	10 46	2 47	24 19	0 54	8 7	1 28	7 30	2 19	22 38	0 9	12 56	1 23	29 13	5 36	21 46	21 38	6 47		n.a.
T 19	23 24	21 3	0 39	19 4	1 37	11 8	2 46	24 22	0 54	8 5	1 28	7 32	2 19	22 38	0 9	12 56	1 23	29 13	5 37	21 46	21 38	6 44		n.a.
W20	23 28	22 7	0s33	19 34	1 24	11 30	2 45	24 24	0 54	8 4	1 28	7 34	2 19	22 37	0 9	12 56	1 23	29 13	5 37	21 46	21 37	6 42		n.a.
T 21	23 32	21 59	1 42	20 4	1 10	11 52	2 44	24 27	0 55	8 3	1 29	7 36	2 19	22 37	0 9	12 56	1 23	29 13	5 37	21 46	21 37	6 40		n.a.
F 22	23 35	20 44	2 45	20 34	0 57	12 14	2 43	24 29	0 55	8 2	1 29	7 37	2 19	22 37	0 9	12 56	1 23	29 14	5 37	21 46	21 36	6 37		n.a.
S 23	23 37	18 30	3 39	21 4	0 44	12 36	2 41	24 32	0 55	8 1	1 29	7 39	2 20	22 36	0 9	12 57	1 23	29 14	5 37	21 45	21 36	6 35		n.a.
S 24	23 40	15 29	4 22	21 33	0 31	12 57	2 40	24 34	0 56	8 0	1 29	7 41	2 20	22 36	0 9	12 57	1 23	29 14	5 37	21 45	21 35	6 32		n.a.
M25	23 42	11 52	4 52	22 2	0 18	13 19	2 38	24 36	0 56	7 59	1 30	7 43	2 20	22 36	0 9	12 57	1 23	29 14	5 37	21 44	21 34	6 30		n.a.
T 26	23 43	7 49	5 10	22 29	0 6	13 40	2 37	24 37	0 56	7 58	1 30	7 44	2 20	22 35	0 9	12 57	1 23	29 14	5 37	21 44	21 34	6 27		n.a.
W27	23 44	3 29	5 14	22 55	0n 6	14 1	2 35	24 39	0 57	7 58	1 30	7 46	2 20	22 35	0 9	12 58	1 23	29 14	5 37	21 44	21 33	6 25		n.a.
T 28	23 45	0s58	5 5	23 19	0 18	14 22	2 33	24 40	0 57	7 57	1 31	7 48	2 21	22 35	0 9	12 58	1 23	29 15	5 37	21 43	21 33	6 22		n.a.
F 29	23 45	5 26	4 43	23 41	0 29	14 42	2 31	24 41	0 57	7 56	1 31	7 49	2 21	22 35	0 9	12 58	1 23	29 15	5 38	21 43	21 32	6 20		n.a.
S 30	23n45	9s45	4s 8	24n 1	0n39	15n 3	2s29	24n42	0n58	7s56	1s31	7n51	2s21	22s34	0s 9	12s58	1s23	29s15	5s38	21s43	21s32	6n18		n.a.

Julian Day Number = 1558672.5, Delta T = 04h25m44s
Ecliptic obliquity = 23°44'53, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'34, Lahiri = -10°06'34 Julian Calendar 1 June 446 BCE == Greg. Calendar 27 May 446 BCE

The year -445 astronomical counting style corresponds to year 446 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

JULY 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 11 53	1♋55'48	27♎20	22♊ 5	19♉11	29♊ 2	13♓38	25♈42	11°R16	29°R49	5°R36	6♐49	5♐37	1♍36	n.a.	S 1
M 2	18 15 50	2°53'11	10♏ 3	24° 7	20°18	29°40	13°39	25°47	11♐14	29♒49	5♑35	6°51	5°34	1°43	n.a.	M 2
T 3	18 19 47	3°50'35	23° 8	26°10	21°24	0♋18	13°41	25°52	11°11	29°48	5°33	6°52	5°30	1°49	n.a.	T 3
W 4	18 23 43	4°47'59	6♐37	28°14	22°31	0°57	13°42	25°56	11° 9	29°47	5°32	6°R53	5°27	1°56	n.a.	W 4
T 5	18 27 40	5°45'25	20°31	0♋18	23°38	1°35	13°43	26° 0	11° 7	29°46	5°31	6°52	5°24	2° 3	n.a.	T 5
F 6	18 31 36	6°42'52	4♑46	2°23	24°45	2°13	13°44	26° 5	11° 5	29°46	5°29	6°50	5°21	2° 9	n.a.	F 6
S 7	18 35 33	7°40'20	19°19	4°27	25°52	2°52	13°45	26° 9	11° 3	29°45	5°28	6°47	5°18	2°16	n.a.	S 7
S 8	18 39 29	8°37'49	4♒ 3	6°31	26°59	3°30	13°45	26°13	11° 1	29°44	5°26	6°42	5°15	2°23	n.a.	S 8
M 9	18 43 26	9°35'20	18°51	8°34	28° 7	4° 8	13°45	26°17	10°59	29°43	5°25	6°38	5°11	2°30	n.a.	M 9
T 10	18 47 23	10°32'52	3♓35	10°37	29°15	4°47	13°R45	26°21	10°57	29°42	5°24	6°34	5° 8	2°36	n.a.	T 10
W11	18 51 19	11°30'26	18° 8	12°39	0♊22	5°25	13°45	26°25	10°55	29°41	5°22	6°30	5° 5	2°43	n.a.	W11
T 12	18 55 16	12°28'01	2♈26	14°40	1°30	6° 3	13°45	26°28	10°53	29°40	5°21	6°28	5° 2	2°50	n.a.	T 12
F 13	18 59 12	13°25'38	16°27	16°40	2°38	6°42	13°44	26°32	10°51	29°39	5°19	6°D28	4°59	2°57	n.a.	F 13
S 14	19 3 9	14°23'16	0♉10	18°39	3°47	7°20	13°44	26°36	10°49	29°38	5°18	6°29	4°56	3° 3	n.a.	S 14
S 15	19 7 5	15°20'57	13°35	20°36	4°55	7°58	13°43	26°39	10°47	29°37	5°17	6°30	4°52	3°10	n.a.	S 15
M16	19 11 2	16°18'39	26°44	22°32	6° 4	8°36	13°41	26°42	10°45	29°36	5°15	6°32	4°49	3°17	n.a.	M16
T 17	19 14 58	17°16'23	9♊39	24°27	7°12	9°15	13°40	26°46	10°44	29°35	5°14	6°R32	4°46	3°23	n.a.	T 17
W18	19 18 55	18°14'08	22°21	26°20	8°21	9°53	13°39	26°49	10°42	29°34	5°13	6°31	4°43	3°30	n.a.	W18
T 19	19 22 52	19°11'56	4♋52	28°12	9°30	10°31	13°37	26°52	10°40	29°33	5°11	6°27	4°40	3°37	n.a.	T 19
F 20	19 26 48	20° 9'45	17°13	0♌ 3	10°39	11° 9	13°35	26°55	10°39	29°31	5°10	6°22	4°36	3°44	n.a.	F 20
S 21	19 30 45	21° 7'35	29°25	1°52	11°48	11°48	13°33	26°58	10°37	29°30	5° 9	6°15	4°33	3°50	n.a.	S 21
S 22	19 34 41	22° 5'27	11♌29	3°40	12°57	12°26	13°30	27° 1	10°35	29°29	5° 7	6° 7	4°30	3°57	n.a.	S 22
M23	19 38 38	23° 3'20	23°27	5°27	14° 7	13° 4	13°28	27° 3	10°34	29°28	5° 6	5°58	4°27	4° 4	n.a.	M23
T 24	19 42 34	24° 1'15	5♍20	7°12	15°16	13°42	13°25	27° 6	10°32	29°26	5° 5	5°49	4°24	4°11	n.a.	T 24
W25	19 46 31	24°59'11	17°11	8°56	16°26	14°20	13°22	27° 8	10°31	29°25	5° 4	5°42	4°21	4°17	n.a.	W25
T 26	19 50 27	25°57'09	29° 3	10°38	17°35	14°59	13°19	27°11	10°29	29°24	5° 2	5°36	4°17	4°24	n.a.	T 26
F 27	19 54 24	26°55'09	11♎ 0	12°19	18°45	15°37	13°16	27°13	10°28	29°22	5° 1	5°33	4°14	4°31	n.a.	F 27
S 28	19 58 21	27°53'09	23° 7	13°59	19°55	16°15	13°13	27°15	10°26	29°21	5° 0	5°D31	4°11	4°37	n.a.	S 28
S 29	20 2 17	28°51'12	5♏27	15°38	21° 5	16°53	13° 9	27°17	10°25	29°20	4°58	5°32	4° 8	4°44	n.a.	S 29
M30	20 6 14	29°49'16	18° 6	17°15	22°15	17°31	13° 5	27°19	10°24	29°18	4°57	5°32	4° 5	4°51	n.a.	M30
T 31	20 10 10	0♌47'21	1♐ 9	18♌51	23♊26	18♋10	13♓ 1	27♈21	10♐22	29♒17	4♑56	5°R33	4♐ 1	4♍58	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n44	13s46	3s20	24n19	0n49	15n23	2s27	24n43	0n58	7s56	1s32	7n52	2s21	22s34	0s 9	12s59	1s23	29s15	5s38	21s44	21s31	6n15		n.a.
M 2	23 43	17 16	2 22	24 35	0 58	15 43	2 25	24 43	0 58	7 55	1 32	7 54	2 21	22 34	0 9	12 59	1 23	29 15	5 38	21 44	21 30	6 13		n.a.
T 3	23 41	20 0	1 15	24 48	1 6	16 3	2 23	24 44	0 59	7 55	1 32	7 55	2 22	22 33	0 9	12 59	1 23	29 15	5 38	21 44	21 30	6 10		n.a.
W 4	23 40	21 43	0 1	24 58	1 14	16 22	2 21	24 44	0 59	7 55	1 33	7 57	2 22	22 33	0 9	13 0	1 24	29 16	5 38	21 44	21 29	6 8		n.a.
T 5	23 37	22 10	1n14	25 5	1 20	16 41	2 19	24 44	0 59	7 55	1 33	7 58	2 22	22 33	0 9	13 0	1 24	29 16	5 38	21 44	21 29	6 5		n.a.
F 6	23 35	21 13	2 27	25 10	1 27	17 0	2 16	24 43	1 0	7 55	1 33	8 0	2 22	22 32	0 9	13 0	1 24	29 16	5 38	21 44	21 28	6 3		n.a.
S 7	23 31	18 51	3 31	25 12	1 32	17 18	2 14	24 43	1 0	7 55	1 34	8 1	2 22	22 32	0 9	13 1	1 24	29 16	5 38	21 43	21 28	6 0		n.a.
S 8	23 28	15 14	4 23	25 11	1 36	17 37	2 11	24 42	1 0	7 55	1 34	8 2	2 23	22 32	0 9	13 1	1 24	29 16	5 38	21 43	21 27	5 58		n.a.
M 9	23 24	10 40	4 57	25 8	1 40	17 54	2 9	24 41	1 1	7 55	1 34	8 3	2 23	22 32	0 9	13 1	1 24	29 16	5 38	21 42	21 26	5 56		n.a.
T 10	23 19	5 30	5 11	25 2	1 43	18 12	2 6	24 40	1 1	7 55	1 35	8 5	2 23	22 31	0 9	13 2	1 24	29 16	5 38	21 41	21 26	5 53		n.a.
W11	23 15	0 5	5 5	24 53	1 45	18 29	2 3	24 39	1 1	7 56	1 35	8 6	2 23	22 31	0 9	13 2	1 24	29 16	5 39	21 40	21 25	5 51		n.a.
T 12	23 9	5n15	4 40	24 42	1 47	18 46	2 1	24 38	1 1	7 56	1 35	8 7	2 23	22 31	0 9	13 2	1 24	29 17	5 39	21 40	21 25	5 48		n.a.
F 13	23 4	10 13	3 59	24 28	1 48	19 2	1 58	24 36	1 2	7 57	1 36	8 8	2 24	22 31	0 9	13 3	1 24	29 17	5 39	21 40	21 24	5 46		n.a.
S 14	22 58	14 33	3 5	24 13	1 48	19 18	1 55	24 34	1 2	7 57	1 36	8 9	2 24	22 30	0 9	13 3	1 24	29 17	5 39	21 40	21 24	5 43		n.a.
S 15	22 51	18 3	2 2	23 55	1 47	19 33	1 52	24 32	1 2	7 58	1 36	8 10	2 24	22 30	0 9	13 4	1 24	29 17	5 39	21 40	21 23	5 41		n.a.
M16	22 44	20 32	0 53	23 35	1 47	19 48	1 49	24 30	1 3	7 59	1 37	8 11	2 24	22 30	0 9	13 4	1 24	29 17	5 39	21 41	21 22	5 38		n.a.
T 17	22 37	21 54	0s17	23 14	1 45	20 3	1 46	24 28	1 3	7 59	1 37	8 12	2 25	22 29	0 9	13 5	1 24	29 17	5 39	21 41	21 22	5 36		n.a.
W18	22 29	22 7	1 25	22 50	1 43	20 17	1 43	24 25	1 3	8 0	1 37	8 13	2 25	22 29	0 9	13 5	1 24	29 17	5 39	21 40	21 21	5 34		n.a.
T 19	22 21	21 12	2 27	22 26	1 40	20 31	1 40	24 23	1 3	8 1	1 38	8 14	2 25	22 29	0 9	13 5	1 24	29 17	5 39	21 40	21 21	5 31		n.a.
F 20	22 13	19 17	3 22	21 59	1 37	20 44	1 37	24 20	1 4	8 2	1 38	8 15	2 25	22 29	0 9	13 6	1 24	29 17	5 39	21 39	21 20	5 29		n.a.
S 21	22 4	16 31	4 6	21 31	1 34	20 57	1 34	24 17	1 4	8 3	1 38	8 16	2 25	22 29	0 9	13 6	1 24	29 17	5 39	21 38	21 19	5 26		n.a.
S 22	21 55	13 5	4 39	21 2	1 30	21 9	1 30	24 13	1 4	8 5	1 38	8 17	2 26	22 28	0 9	13 7	1 24	29 18	5 39	21 36	21 19	5 24		n.a.
M23	21 45	9 10	5 0	20 32	1 26	21 21	1 27	24 10	1 4	8 6	1 39	8 17	2 26	22 28	0 9	13 7	1 24	29 18	5 39	21 35	21 18	5 21		n.a.
T 24	21 35	4 55	5 7	20 1	1 21	21 32	1 24	24 6	1 5	8 7	1 39	8 18	2 26	22 28	0 9	13 8	1 24	29 18	5 39	21 33	21 18	5 19		n.a.
W25	21 25	0 31	5 1	19 29	1 16	21 42	1 21	24 3	1 5	8 9	1 39	8 19	2 26	22 28	0 9	13 8	1 24	29 18	5 39	21 32	21 17	5 16		n.a.
T 26	21 14	3s55	4 42	18 56	1 11	21 52	1 18	23 59	1 5	8 10	1 40	8 19	2 27	22 27	0 9	13 9	1 24	29 18	5 39	21 31	21 17	5 14		n.a.
F 27	21 3	8 14	4 10	18 22	1 5	22 2	1 14	23 54	1 6	8 12	1 40	8 20	2 27	22 27	0 9	13 9	1 24	29 18	5 39	21 30	21 16	5 12		n.a.
S 28	20 51	12 18	3 28	17 47	0 59	22 11	1 11	23 50	1 6	8 13	1 40	8 21	2 27	22 27	0 9	13 10	1 25	29 18	5 39	21 30	21 15	5 9		n.a.
S 29	20 39	15 56	2 34	17 12	0 53	22 19	1 8	23 45	1 6	8 15	1 41	8 21	2 27	22 27	0 9	13 10	1 25	29 18	5 39	21 30	21 15	5 7		n.a.
M30	20 27	18 55	1 32	16 36	0 47	22 27	1 4	23 41	1 6	8 17	1 41	8 22	2 28	22 27	0 9	13 11	1 25	29 18	5 39	21 30	21 14	5 4		n.a.
T 31	20n14	21s 2	0s24	16n 0	0n40	22n34	1s 1	23n36	1n 7	8s18	1s41	8n22	2s28	22s26	0s 9	13s11	1s25	29s18	5s39	21s30	21s14	5n 2		n.a.

Julian Day Number = 1558702.5, Delta T = 04h25m43s
Ecliptic obliquity = 23°44'53, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'30, Lahiri = -10°06'30 Julian Calendar 1 July 446 BCE == Greg. Calendar 26 June 446 BCE

The year -445 astronomical counting style corresponds to year 446 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

AUGUST 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 14 7	1♌45'28	14♐38	20♌26	24♊36	18♋48	12°R57	27♈23	10°R21	29°R16	4°R55	5°R33	3♐58	5♍ 4	n.a.	W 1
T 2	20 18 3	2°43'37	28°36	22° 0	25°47	19°26	12♓52	27°24	10♐20	29♒14	4♑54	5♐31	3°55	5°11	n.a.	T 2
F 3	20 22 0	3°41'47	13♑ 2	23°32	26°57	20° 4	12°48	27°26	10°19	29°13	4°52	5°26	3°52	5°18	n.a.	F 3
S 4	20 25 56	4°39'59	27°50	25° 3	28° 8	20°42	12°43	27°27	10°18	29°11	4°51	5°20	3°49	5°25	n.a.	S 4
S 5	20 29 53	5°38'13	12♒55	26°33	29°19	21°20	12°38	27°29	10°17	29°10	4°50	5°11	3°46	5°31	n.a.	S 5
M 6	20 33 50	6°36'29	28° 6	28° 1	0♋30	21°58	12°33	27°30	10°16	29° 8	4°49	5° 2	3°42	5°38	n.a.	M 6
T 7	20 37 46	7°34'46	13♓12	29°29	1°41	22°36	12°28	27°31	10°15	29° 7	4°48	4°53	3°39	5°45	n.a.	T 7
W 8	20 41 43	8°33'06	28° 5	0♍55	2°52	23°15	12°23	27°32	10°14	29° 5	4°47	4°46	3°36	5°51	n.a.	W 8
T 9	20 45 39	9°31'28	12♈36	2°19	4° 3	23°53	12°17	27°33	10°13	29° 4	4°46	4°41	3°33	5°58	n.a.	T 9
F 10	20 49 36	10°29'53	26°44	3°43	5°14	24°31	12°12	27°34	10°12	29° 2	4°45	4°38	3°30	6° 5	n.a.	F 10
S 11	20 53 32	11°28'19	10♉26	5° 5	6°26	25° 9	12° 6	27°34	10°11	29° 1	4°44	4°D38	3°27	6°12	n.a.	S 11
S 12	20 57 29	12°26'48	23°45	6°25	7°37	25°47	12° 0	27°35	10°11	28°59	4°43	4°38	3°23	6°18	n.a.	S 12
M13	21 1 25	13°25'20	6♊43	7°44	8°49	26°25	11°54	27°35	10°10	28°57	4°41	4°R38	3°20	6°25	n.a.	M13
T 14	21 5 22	14°23'53	19°24	9° 2	10° 0	27° 3	11°47	27°36	10° 9	28°56	4°40	4°37	3°17	6°32	n.a.	T 14
W15	21 9 18	15°22'29	1♋51	10°18	11°12	27°42	11°41	27°36	10° 9	28°54	4°40	4°34	3°14	6°38	n.a.	W15
T 16	21 13 15	16°21'07	14° 8	11°33	12°24	28°20	11°34	27°36	10° 8	28°53	4°39	4°28	3°11	6°45	n.a.	T 16
F 17	21 17 12	17°19'47	26°17	12°46	13°36	28°58	11°28	27°R36	10° 8	28°51	4°38	4°19	3° 7	6°52	n.a.	F 17
S 18	21 21 8	18°18'30	8♌19	13°57	14°48	29°36	11°21	27°36	10° 7	28°49	4°37	4° 8	3° 4	6°59	n.a.	S 18
S 19	21 25 5	19°17'14	20°16	15° 6	16° 0	0♌14	11°14	27°36	10° 7	28°48	4°36	3°55	3° 1	7° 5	n.a.	S 19
M20	21 29 1	20°16'01	2♍10	16°13	17°12	0°52	11° 7	27°35	10° 7	28°46	4°35	3°41	2°58	7°12	n.a.	M20
T 21	21 32 58	21°14'49	14° 2	17°19	18°25	1°30	11° 0	27°35	10° 6	28°44	4°34	3°28	2°55	7°19	n.a.	T 21
W22	21 36 54	22°13'40	25°53	18°21	19°37	2° 8	10°53	27°34	10° 6	28°43	4°33	3°15	2°52	7°26	n.a.	W22
T 23	21 40 51	23°12'33	7♎45	19°22	20°50	2°46	10°45	27°34	10° 6	28°41	4°32	3° 6	2°48	7°32	n.a.	T 23
F 24	21 44 47	24°11'27	19°42	20°20	22° 2	3°25	10°38	27°33	10° 6	28°39	4°32	2°59	2°45	7°39	n.a.	F 24
S 25	21 48 44	25°10'23	1♏48	21°15	23°15	4° 3	10°30	27°32	10° 6	28°38	4°31	2°54	2°42	7°46	n.a.	S 25
S 26	21 52 40	26° 9'22	14° 5	22° 7	24°27	4°41	10°23	27°31	10°D 6	28°36	4°30	2°53	2°39	7°52	n.a.	S 26
M27	21 56 37	27° 8'22	26°40	22°56	25°40	5°19	10°15	27°30	10° 6	28°34	4°29	2°52	2°36	7°59	n.a.	M27
T 28	22 0 34	28° 7'24	9♐36	23°42	26°53	5°57	10° 8	27°29	10° 6	28°33	4°29	2°52	2°33	8° 6	n.a.	T 28
W29	22 4 30	29° 6'28	22°59	24°23	28° 6	6°35	10° 0	27°27	10° 6	28°31	4°28	2°51	2°29	8°13	n.a.	W29
T 30	22 8 27	0♍ 5'34	6♑50	25° 1	29°19	7°13	9°52	27°26	10° 6	28°29	4°27	2°48	2°26	8°19	n.a.	T 30
F 31	22 12 23	1♍ 4'42	21♑12	25♍34	0♌32	7♌51	9♓44	27♈24	10♐ 6	28♒28	4♑27	2♐43	2♐23	8♍26	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	20n 1	22s 3	0n48	15n23	0n33	22n41	0s57	23n31	1n 7	8s20	1s41	8n22	2s28	22s26	0s 9	13s12	1s25	29s18	5s39	21s30	21s13	4n59			n.a.
T 2	19 48	21 44	2 0	14 46	0 26	22 47	0 54	23 26	1 7	8 22	1 42	8 23	2 28	22 26	0 9	13 12	1 25	29 18	5 39	21 30	21 12	4 57			n.a.
F 3	19 35	20 1	3 6	14 8	0 18	22 52	0 51	23 20	1 7	8 24	1 42	8 23	2 29	22 26	0 9	13 13	1 25	29 18	5 39	21 29	21 12	4 54			n.a.
S 4	19 21	16 55	4 2	13 31	0 11	22 57	0 47	23 15	1 8	8 26	1 42	8 23	2 29	22 26	0 9	13 14	1 25	29 18	5 39	21 28	21 11	4 52			n.a.
S 5	19 6	12 39	4 41	12 53	0 3	23 1	0 44	23 9	1 8	8 28	1 42	8 24	2 29	22 26	0 9	13 14	1 25	29 18	5 39	21 26	21 10	4 50			n.a.
M 6	18 52	7 35	5 1	12 15	0s 4	23 4	0 41	23 3	1 8	8 31	1 43	8 24	2 29	22 25	0 9	13 15	1 25	29 18	5 39	21 25	21 10	4 47			n.a.
T 7	18 37	2 4	5 0	11 37	0 12	23 7	0 37	22 57	1 8	8 33	1 43	8 24	2 30	22 25	0 9	13 15	1 25	29 18	5 39	21 23	21 9	4 45			n.a.
W 8	18 21	3n29	4 39	10 58	0 20	23 9	0 34	22 51	1 8	8 35	1 43	8 24	2 30	22 25	0 9	13 16	1 25	29 19	5 39	21 22	21 9	4 42			n.a.
T 9	18 6	8 43	4 0	10 20	0 28	23 11	0 30	22 44	1 9	8 38	1 43	8 24	2 30	22 25	0 9	13 16	1 25	29 19	5 39	21 21	21 8	4 40			n.a.
F 10	17 50	13 20	3 7	9 42	0 37	23 11	0 27	22 37	1 9	8 40	1 44	8 24	2 30	22 25	0 9	13 17	1 25	29 19	5 39	21 20	21 7	4 37			n.a.
S 11	17 34	17 7	2 5	9 4	0 45	23 12	0 24	22 31	1 9	8 42	1 44	8 24	2 30	22 25	0 9	13 18	1 25	29 19	5 39	21 20	21 7	4 35			n.a.
S 12	17 17	19 53	0 58	8 27	0 53	23 11	0 20	22 24	1 9	8 45	1 44	8 24	2 31	22 25	0 9	13 18	1 25	29 19	5 39	21 20	21 6	4 33			n.a.
M13	17 0	21 32	0s11	7 49	1 2	23 10	0 17	22 17	1 10	8 48	1 44	8 24	2 31	22 25	0 9	13 19	1 25	29 19	5 39	21 20	21 6	4 30			n.a.
T 14	16 43	22 2	1 18	7 12	1 10	23 8	0 14	22 9	1 10	8 50	1 44	8 24	2 31	22 25	0 9	13 19	1 25	29 19	5 39	21 20	21 5	4 28			n.a.
W15	16 26	21 25	2 19	6 35	1 19	23 6	0 11	22 2	1 10	8 53	1 45	8 24	2 31	22 24	0 9	13 20	1 25	29 19	5 39	21 20	21 4	4 25			n.a.
T 16	16 8	19 47	3 13	5 59	1 27	23 2	0 7	21 55	1 10	8 56	1 45	8 24	2 32	22 24	0 9	13 20	1 25	29 19	5 39	21 19	21 4	4 23			n.a.
F 17	15 50	17 17	3 57	5 23	1 35	22 58	0 4	21 47	1 10	8 58	1 45	8 24	2 32	22 24	0 9	13 21	1 25	29 19	5 39	21 17	21 3	4 20			n.a.
S 18	15 32	14 4	4 31	4 48	1 44	22 54	0 1	21 39	1 11	9 1	1 45	8 23	2 32	22 24	0 9	13 22	1 25	29 19	5 39	21 15	21 3	4 18			n.a.
S 19	15 14	10 18	4 52	4 13	1 52	22 49	0n 2	21 31	1 11	9 4	1 45	8 23	2 32	22 24	0 9	13 22	1 25	29 19	5 39	21 12	21 2	4 16			n.a.
M20	14 55	6 10	5 0	3 39	2 0	22 43	0 5	21 23	1 11	9 7	1 46	8 23	2 33	22 24	0 9	13 23	1 25	29 19	5 39	21 10	21 1	4 13			n.a.
T 21	14 36	1 50	4 55	3 6	2 9	22 36	0 8	21 14	1 11	9 10	1 46	8 22	2 33	22 24	0 9	13 23	1 25	29 19	5 39	21 7	21 1	4 11			n.a.
W22	14 17	2s35	4 37	2 34	2 17	22 29	0 11	21 6	1 11	9 13	1 46	8 22	2 33	22 24	0 9	13 24	1 25	29 19	5 39	21 5	21 0	4 8			n.a.
T 23	13 57	6 54	4 8	2 3	2 25	22 21	0 15	20 57	1 12	9 16	1 46	8 21	2 33	22 24	0 9	13 25	1 25	29 19	5 39	21 3	20 59	4 6			n.a.
F 24	13 38	10 59	3 27	1 33	2 32	22 12	0 18	20 48	1 12	9 19	1 46	8 21	2 34	22 24	0 9	13 25	1 25	29 19	5 39	21 1	20 59	4 3			n.a.
S 25	13 18	14 41	2 36	1 4	2 40	22 3	0 20	20 40	1 12	9 22	1 46	8 20	2 34	22 24	0 9	13 26	1 25	29 19	5 39	21 1	20 58	4 1			n.a.
S 26	12 58	17 49	1 38	0 37	2 47	21 53	0 23	20 31	1 12	9 25	1 46	8 20	2 34	22 24	0 9	13 26	1 25	29 19	5 39	21 0	20 58	3 59			n.a.
M27	12 37	20 11	0 33	0 11	2 54	21 43	0 26	20 21	1 12	9 28	1 47	8 19	2 34	22 24	0 9	13 27	1 25	29 19	5 39	21 0	20 57	3 56			n.a.
T 28	12 17	21 35	0n36	0s14	3 1	21 32	0 29	20 12	1 13	9 31	1 47	8 19	2 34	22 24	0 9	13 28	1 25	29 19	5 38	21 0	20 56	3 54			n.a.
W29	11 56	21 50	1 44	0 36	3 7	21 20	0 32	20 2	1 13	9 34	1 47	8 18	2 35	22 24	0 9	13 28	1 25	29 18	5 38	21 0	20 56	3 51			n.a.
T 30	11 35	20 45	2 49	0 56	3 13	21 7	0 35	19 53	1 13	9 37	1 47	8 17	2 35	22 24	0 9	13 29	1 25	29 18	5 38	20 59	20 55	3 49			n.a.
F 31	11n14	18s20	3n46	1s14	3s18	20n54	0n37	19n43	1n13	9s40	1s47	8n16	2s35	22s24	0s 9	13s29	1s25	29s18	5s38	20s58	20s54	3n46			n.a.

Julian Day Number = 1558733.5, Delta T = 04h25m42s
Ecliptic obliquity = 23°44'53, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'26, Lahiri = -10°06'26 Julian Calendar 1 Aug. 446 BCE == Greg. Calendar 27 July 446 BCE

The year -445 astronomical counting style corresponds to year 446 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

SEPTEMBER 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 16 20	2♍ 3'52	6♒ 1	26♍ 2	1♌45	8♌29	9°R36	27°R23	10♐ 7	28°R26	4°R26	2°R35	2♐20	8♍33	n.a.	S 1
S 2	22 20 16	3° 3'03	21°10	26°24	2°58	9° 7	9♓28	27♈21	10° 7	28♒24	4♑25	2°R35	2♐24	2°17	8°40	n.a.	S 2
M 3	22 24 13	4° 2'17	6♓31	26°41	4°12	9°45	9°20	27°19	10° 7	28°23	4°25	2°13	2°13	8°46	n.a.	M 3
T 4	22 28 9	5° 1'33	21°51	26°52	5°25	10°24	9°12	27°17	10° 8	28°21	4°24	2° 2	2°10	8°53	n.a.	T 4
W 5	22 32 6	6° 0'51	6♈59	26°R56	6°38	11° 2	9° 4	27°15	10° 8	28°19	4°24	1°53	2° 7	9° 0	n.a.	W 5
T 6	22 36 3	7° 0'11	21°46	26°53	7°52	11°40	8°56	27°13	10° 9	28°18	4°23	1°46	2° 4	9° 6	n.a.	T 6
F 7	22 39 59	7°59'34	6♉ 5	26°42	9° 5	12°18	8°48	27°11	10° 9	28°16	4°23	1°42	2° 1	9°13	n.a.	F 7
S 8	22 43 56	8°58'59	19°56	26°23	10°19	12°56	8°40	27° 8	10°10	28°15	4°22	1°40	1°58	9°20	n.a.	S 8
S 9	22 47 52	9°58'27	3♊18	25°57	11°33	13°34	8°32	27° 6	10°11	28°13	4°22	1°40	1°54	9°27	n.a.	S 9
M10	22 51 49	10°57'58	16°16	25°22	12°47	14°12	8°24	27° 3	10°12	28°11	4°22	1°40	1°51	9°33	n.a.	M10
T 11	22 55 45	11°57'30	28°53	24°39	14° 0	14°50	8°16	27° 1	10°12	28°10	4°21	1°39	1°48	9°40	n.a.	T 11
W12	22 59 42	12°57'05	11♋14	23°48	15°14	15°28	8° 8	26°58	10°13	28° 8	4°21	1°36	1°45	9°47	n.a.	W12
T 13	23 3 38	13°56'43	23°22	22°49	16°28	16° 6	7°59	26°55	10°14	28° 6	4°21	1°30	1°42	9°53	n.a.	T 13
F 14	23 7 35	14°56'23	5♌23	21°45	17°42	16°45	7°51	26°52	10°15	28° 5	4°20	1°22	1°39	10° 0	n.a.	F 14
S 15	23 11 32	15°56'04	17°19	20°35	18°56	17°23	7°44	26°49	10°16	28° 3	4°20	1°10	1°35	10° 7	n.a.	S 15
S 16	23 15 28	16°55'49	29°11	19°23	20°10	18° 1	7°36	26°46	10°17	28° 2	4°20	0°57	1°32	10°14	n.a.	S 16
M17	23 19 25	17°55'35	11♍ 3	18° 8	21°24	18°39	7°28	26°43	10°18	28° 0	4°20	0°43	1°29	10°20	n.a.	M17
T 18	23 23 21	18°55'24	22°56	16°55	22°39	19°17	7°20	26°39	10°19	27°59	4°20	0°29	1°26	10°27	n.a.	T 18
W19	23 27 18	19°55'14	4♎50	15°44	23°53	19°55	7°12	26°36	10°21	27°57	4°19	0°17	1°23	10°34	n.a.	W19
T 20	23 31 14	20°55'07	16°48	14°39	25° 7	20°33	7° 5	26°33	10°22	27°56	4°19	0° 7	1°19	10°41	n.a.	T 20
F 21	23 35 11	21°55'01	28°50	13°40	26°22	21°11	6°57	26°29	10°23	27°54	4°19	0° 0	1°16	10°47	n.a.	F 21
S 22	23 39 7	22°54'58	11♏ 1	12°50	27°36	21°49	6°50	26°25	10°24	27°53	4°19	29♏56	1°13	10°54	n.a.	S 22
S 23	23 43 4	23°54'56	23°22	12°10	28°51	22°27	6°42	26°22	10°26	27°51	4°D19	29°54	1°10	11° 1	n.a.	S 23
M24	23 47 0	24°54'56	5♐57	11°41	0♍ 5	23° 6	6°35	26°18	10°27	27°50	4°19	29°D54	1° 7	11° 7	n.a.	M24
T 25	23 50 57	25°54'58	18°51	11°24	1°20	23°44	6°28	26°14	10°29	27°48	4°19	29°55	1° 4	11°14	n.a.	T 25
W26	23 54 54	26°55'02	2♑ 7	11°D17	2°34	24°22	6°21	26°10	10°30	27°47	4°19	29°R55	1° 0	11°21	n.a.	W26
T 27	23 58 50	27°55'07	15°48	11°22	3°49	25° 0	6°14	26° 6	10°32	27°45	4°19	29°53	0°57	11°28	n.a.	T 27
F 28	0 2 47	28°55'14	29°57	11°38	5° 3	25°38	6° 7	26° 2	10°34	27°44	4°19	29°49	0°54	11°34	n.a.	F 28
S 29	0 6 43	29°55'23	14♒32	12° 4	6°18	26°16	6° 0	25°58	10°35	27°43	4°20	29°43	0°51	11°41	n.a.	S 29
S 30	0 10 40	0♎55'33	29♒29	12♍39	7♍33	26♌54	5♓53	25♈54	10♐37	27♒41	4♑20	29♏35	0♐48	11♍48	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n53	14s40	4n29	1s30	3s23	20n40	0n40	19n33	1n13	9s43	1s47	8n16	2s35	22s24	0s 9	13s30	1s25	29s18	5s38	20s57	20s54	3n44		n.a.
S 2	10 31	9 59	4 54	1 43	3 27	20 26	0 43	19 23	1 14	9 46	1 47	8 15	2 36	22 24	0 9	13 31	1 25	29 18	5 38	20 55	20 53	3 42		n.a.
M 3	10 9	4 36	4 59	1 52	3 30	20 11	0 45	19 13	1 14	9 49	1 47	8 14	2 36	22 24	0 9	13 31	1 25	29 18	5 38	20 52	20 52	3 39		n.a.
T 4	9 47	1n 3	4 43	1 59	3 33	19 56	0 48	19 3	1 14	9 52	1 47	8 13	2 36	22 24	0 9	13 32	1 25	29 18	5 38	20 50	20 52	3 37		n.a.
W 5	9 25	6 34	4 6	2 2	3 34	19 40	0 50	18 52	1 14	9 55	1 47	8 12	2 36	22 24	0 9	13 32	1 25	29 18	5 38	20 48	20 51	3 34		n.a.
T 6	9 3	11 35	3 14	2 1	3 34	19 23	0 52	18 42	1 14	9 59	1 47	8 11	2 36	22 25	0 9	13 33	1 25	29 18	5 38	20 47	20 51	3 32		n.a.
F 7	8 41	15 46	2 11	1 56	3 33	19 6	0 55	18 31	1 14	10 2	1 47	8 10	2 37	22 25	0 9	13 34	1 25	29 18	5 38	20 46	20 50	3 29		n.a.
S 8	8 18	18 56	1 2	1 46	3 31	18 48	0 57	18 20	1 15	10 5	1 47	8 9	2 37	22 25	0 9	13 34	1 25	29 18	5 38	20 46	20 49	3 27		n.a.
S 9	7 56	20 57	0s 9	1 32	3 27	18 29	0 59	18 9	1 15	10 8	1 47	8 8	2 37	22 25	0 9	13 35	1 25	29 18	5 38	20 46	20 49	3 25		n.a.
M10	7 33	21 46	1 16	1 12	3 21	18 10	1 1	17 58	1 15	10 11	1 47	8 7	2 37	22 25	0 9	13 35	1 25	29 18	5 38	20 46	20 48	3 22		n.a.
T 11	7 10	21 26	2 19	0 48	3 14	17 51	1 3	17 47	1 15	10 14	1 47	8 6	2 37	22 25	0 9	13 36	1 25	29 18	5 38	20 45	20 47	3 20		n.a.
W12	6 47	20 4	3 13	0 19	3 4	17 31	1 5	17 36	1 15	10 17	1 47	8 5	2 37	22 25	0 9	13 36	1 25	29 18	5 37	20 45	20 47	3 17		n.a.
T 13	6 24	17 48	3 57	0n14	2 53	17 10	1 7	17 25	1 15	10 20	1 47	8 3	2 38	22 25	0 9	13 37	1 25	29 18	5 37	20 44	20 46	3 15		n.a.
F 14	6 0	14 47	4 31	0 52	2 40	16 49	1 9	17 13	1 16	10 23	1 47	8 2	2 38	22 25	0 9	13 37	1 25	29 18	5 37	20 42	20 45	3 12		n.a.
S 15	5 37	11 13	4 52	1 34	2 25	16 28	1 11	17 1	1 16	10 26	1 47	8 1	2 38	22 26	0 9	13 38	1 25	29 18	5 37	20 40	20 45	3 10		n.a.
S 16	5 14	7 13	5 0	2 18	2 8	16 6	1 13	16 50	1 16	10 29	1 47	8 0	2 38	22 26	0 9	13 39	1 25	29 18	5 37	20 37	20 44	3 8		n.a.
M17	4 50	2 58	4 56	3 4	1 49	15 43	1 14	16 38	1 16	10 32	1 47	7 58	2 38	22 26	0 9	13 39	1 25	29 17	5 37	20 34	20 43	3 5		n.a.
T 18	4 26	1s25	4 38	3 51	1 30	15 20	1 16	16 26	1 16	10 35	1 47	7 57	2 38	22 26	0 9	13 40	1 25	29 17	5 37	20 31	20 43	3 3		n.a.
W19	4 2	5 44	4 9	4 37	1 10	14 57	1 18	16 14	1 16	10 38	1 47	7 56	2 39	22 26	0 9	13 40	1 25	29 17	5 37	20 28	20 42	3 0		n.a.
T 20	3 39	9 52	3 28	5 22	0 49	14 33	1 19	16 2	1 16	10 40	1 47	7 54	2 39	22 26	0 9	13 41	1 25	29 17	5 37	20 26	20 41	2 58		n.a.
F 21	3 15	13 39	2 37	6 4	0 29	14 9	1 21	15 50	1 16	10 43	1 47	7 53	2 39	22 27	0 9	13 41	1 25	29 17	5 37	20 25	20 41	2 56		n.a.
S 22	2 51	16 53	1 39	6 41	0 9	13 44	1 22	15 37	1 17	10 46	1 47	7 51	2 39	22 27	0 9	13 42	1 25	29 17	5 37	20 24	20 40	2 53		n.a.
S 23	2 27	19 25	0 35	7 15	0n11	13 19	1 23	15 25	1 17	10 49	1 47	7 50	2 39	22 27	0 9	13 42	1 25	29 17	5 37	20 23	20 39	2 51		n.a.
M24	2 3	21 3	0n32	7 43	0 29	12 54	1 24	15 12	1 17	10 51	1 46	7 48	2 39	22 27	0 9	13 43	1 25	29 17	5 37	20 23	20 39	2 48		n.a.
T 25	1 39	21 37	1 39	8 5	0 45	12 28	1 25	15 0	1 17	10 54	1 46	7 47	2 39	22 27	0 9	13 43	1 25	29 17	5 36	20 24	20 38	2 46		n.a.
W26	1 14	21 1	2 43	8 21	1 1	12 2	1 27	14 47	1 17	10 56	1 46	7 45	2 40	22 28	0 9	13 44	1 25	29 17	5 36	20 24	20 37	2 43		n.a.
T 27	0 50	19 10	3 39	8 32	1 14	11 36	1 28	14 34	1 17	10 59	1 46	7 44	2 40	22 28	0 9	13 44	1 25	29 17	5 36	20 23	20 37	2 41		n.a.
F 28	0 26	16 7	4 25	8 37	1 26	11 9	1 28	14 21	1 17	11 1	1 46	7 42	2 40	22 28	0 9	13 45	1 25	29 17	5 36	20 22	20 36	2 39		n.a.
S 29	0 2	12 0	4 54	8 37	1 37	10 42	1 29	14 8	1 17	11 4	1 46	7 41	2 40	22 28	0 9	13 45	1 25	29 17	5 36	20 21	20 35	2 36		n.a.
S 30	0s22	7s 3	5n 5	8n31	1n46	10n14	1n30	13n55	1n18	11s 6	1s46	7n39	2s40	22s29	0s 9	13s45	1s25	29s16	5s36	20s19	20s35	2n34		n.a.

Julian Day Number = 1558764.5, Delta T = 04h25m40s
Ecliptic obliquity = 23°44'53, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'22, Lahiri = -10°06'21 Julian Calendar 1 Sept. 446 BCE == Greg. Calendar 27 Aug. 446 BCE

The year -445 astronomical counting style corresponds to year 446 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

OCTOBER 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 14 36	1♎55'45	14♓40	13♍23	8♍48	27♌32	5°R47	25°R49	10♐39	27°R40	4♑20	29°R27	0♐44	11♍54	n.a.	M 1
T 2	0 18 33	2°55'58	29°57	14°15	10° 2	28°10	5♓40	25♈45	10°41	27♒39	4°20	29♏18	0°41	12° 1	n.a.	T 2
W 3	0 22 29	3°56'14	15♈ 6	15°13	11°17	28°48	5°34	25°41	10°42	27°38	4°20	29°10	0°38	12° 8	n.a.	W 3
T 4	0 26 26	4°56'31	29°59	16°18	12°32	29°27	5°28	25°36	10°44	27°36	4°21	29° 4	0°35	12°15	n.a.	T 4
F 5	0 30 23	5°56'51	14♉27	17°27	13°47	0♍ 5	5°22	25°32	10°46	27°35	4°21	29° 1	0°32	12°21	n.a.	F 5
S 6	0 34 19	6°57'13	28°27	18°41	15° 2	0°43	5°16	25°27	10°48	27°34	4°21	29°D 0	0°29	12°28	n.a.	S 6
S 7	0 38 16	7°57'36	11♊59	19°59	16°17	1°21	5°11	25°23	10°50	27°33	4°22	29° 1	0°25	12°35	n.a.	S 7
M 8	0 42 12	8°58'02	25° 3	21°20	17°32	1°59	5° 5	25°18	10°52	27°31	4°22	29° 2	0°22	12°42	n.a.	M 8
T 9	0 46 9	9°58'30	7♋44	22°44	18°47	2°37	5° 0	25°13	10°55	27°30	4°23	29°R 3	0°19	12°48	n.a.	T 9
W10	0 50 5	10°59'00	20° 6	24°10	20° 2	3°15	4°55	25° 9	10°57	27°29	4°23	29° 2	0°16	12°55	n.a.	W10
T 11	0 54 2	11°59'32	2♌14	25°38	21°17	3°53	4°50	25° 4	10°59	27°28	4°24	29° 0	0°13	13° 2	n.a.	T 11
F 12	0 57 58	13° 0'05	14°12	27° 8	22°33	4°31	4°45	24°59	11° 1	27°27	4°24	28°56	0°10	13° 8	n.a.	F 12
S 13	1 1 55	14° 0'41	26° 5	28°38	23°48	5°10	4°40	24°54	11° 3	27°26	4°25	28°49	0° 6	13°15	n.a.	S 13
S 14	1 5 51	15° 1'18	7♍56	0♎10	25° 3	5°48	4°36	24°50	11° 6	27°25	4°25	28°41	0° 3	13°22	n.a.	S 14
M15	1 9 48	16° 1'57	19°48	1°43	26°18	6°26	4°32	24°45	11° 8	27°24	4°26	28°33	29♏59	13°29	n.a.	M15
T 16	1 13 45	17° 2'38	1♎43	3°17	27°33	7° 4	4°28	24°40	11°11	27°23	4°26	28°24	29°57	13°35	n.a.	T 16
W17	1 17 41	18° 3'20	13°44	4°50	28°49	7°42	4°24	24°35	11°13	27°22	4°27	28°17	29°54	13°42	n.a.	W17
T 18	1 21 38	19° 4'04	25°51	6°25	0♎ 4	8°20	4°20	24°30	11°16	27°21	4°28	28°11	29°50	13°49	n.a.	T 18
F 19	1 25 34	20° 4'50	8♏ 5	7°59	1°19	8°58	4°16	24°25	11°18	27°20	4°28	28° 7	29°47	13°55	n.a.	F 19
S 20	1 29 31	21° 5'37	20°29	9°34	2°35	9°36	4°13	24°20	11°21	27°20	4°29	28° 5	29°44	14° 2	n.a.	S 20
S 21	1 33 27	22° 6'25	3♐ 2	11° 9	3°50	10°14	4°10	24°15	11°23	27°19	4°30	28°D 5	29°41	14° 9	n.a.	S 21
M22	1 37 24	23° 7'15	15°49	12°44	5° 5	10°53	4° 7	24°10	11°26	27°18	4°31	28° 6	29°38	14°16	n.a.	M22
T 23	1 41 20	24° 8'05	28°50	14°19	6°21	11°31	4° 4	24° 5	11°29	27°17	4°31	28° 7	29°35	14°22	n.a.	T 23
W24	1 45 17	25° 8'57	12♑ 8	15°54	7°36	12° 9	4° 2	24° 0	11°31	27°17	4°32	28° 9	29°31	14°29	n.a.	W24
T 25	1 49 14	26° 9'50	25°45	17°29	8°52	12°47	4° 0	23°55	11°34	27°16	4°33	28°R10	29°28	14°36	n.a.	T 25
F 26	1 53 10	27°10'43	9♒43	19° 4	10° 7	13°25	3°57	23°50	11°37	27°15	4°34	28° 9	29°25	14°42	n.a.	F 26
S 27	1 57 7	28°11'38	24° 0	20°39	11°22	14° 3	3°56	23°45	11°40	27°15	4°35	28° 7	29°22	14°49	n.a.	S 27
S 28	2 1 3	29°12'34	8♓35	22°13	12°38	14°41	3°54	23°40	11°42	27°14	4°36	28° 4	29°19	14°56	n.a.	S 28
M29	2 5 0	0♏13'30	23°23	23°48	13°53	15°19	3°52	23°35	11°45	27°13	4°37	28° 0	29°15	15° 3	n.a.	M29
T 30	2 8 56	1°14'27	8♈17	25°23	15° 9	15°57	3°51	23°31	11°48	27°13	4°38	27°55	29°12	15° 9	n.a.	T 30
W31	2 12 53	2♏15'26	23♈ 9	26♎57	16♎24	16♍35	3♓50	23♈26	11♐51	27♒12	4♑39	27♏52	29♏ 9	15♍16	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	0s47	1s36	4n54	8n21	1n53	9n46	1n31	13n42	1n18	11s 8	1s45	7n37	2s40	22s29	0s 9	13s46	1s25	29s16	5s36	20s17	20s34	2n31			n.a.
T 2	1 11	3n59	4 23	8 6	1 59	9 18	1 31	13 29	1 18	11 11	1 45	7 36	2 40	22 29	0 9	13 46	1 25	29 16	5 36	20 16	20 33	2 29			n.a.
W 3	1 35	9 17	3 33	7 47	2 3	8 50	1 32	13 15	1 18	11 13	1 45	7 34	2 40	22 29	0 9	13 47	1 25	29 16	5 36	20 14	20 33	2 27			n.a.
T 4	1 59	13 56	2 29	7 25	2 7	8 22	1 32	13 2	1 18	11 15	1 45	7 32	2 40	22 30	0 9	13 47	1 25	29 16	5 36	20 13	20 32	2 24			n.a.
F 5	2 23	17 37	1 17	7 0	2 9	7 53	1 33	12 48	1 18	11 17	1 45	7 31	2 40	22 30	0 9	13 48	1 25	29 16	5 36	20 12	20 31	2 22			n.a.
S 6	2 48	20 7	0 3	6 31	2 10	7 24	1 33	12 35	1 18	11 19	1 44	7 29	2 40	22 30	0 9	13 48	1 25	29 16	5 36	20 12	20 31	2 19			n.a.
S 7	3 12	21 22	1s 9	6 1	2 10	6 54	1 33	12 21	1 18	11 21	1 44	7 27	2 41	22 31	0 9	13 48	1 25	29 16	5 35	20 12	20 30	2 17			n.a.
M 8	3 36	21 24	2 16	5 28	2 10	6 25	1 33	12 7	1 18	11 23	1 44	7 25	2 41	22 31	0 9	13 49	1 25	29 16	5 35	20 12	20 29	2 15			n.a.
T 9	4 0	20 18	3 13	4 53	2 8	5 55	1 34	11 53	1 18	11 24	1 44	7 24	2 41	22 31	0 9	13 49	1 25	29 16	5 35	20 12	20 29	2 12			n.a.
W10	4 24	18 16	4 0	4 16	2 6	5 26	1 34	11 40	1 19	11 26	1 44	7 22	2 41	22 32	0 9	13 50	1 25	29 15	5 35	20 12	20 28	2 10			n.a.
T 11	4 48	15 27	4 35	3 39	2 4	4 56	1 34	11 26	1 19	11 28	1 43	7 20	2 41	22 32	0 9	13 50	1 25	29 15	5 35	20 12	20 27	2 7			n.a.
F 12	5 12	12 2	4 58	3 0	2 0	4 25	1 33	11 12	1 19	11 29	1 43	7 18	2 41	22 32	0 9	13 50	1 25	29 15	5 35	20 11	20 27	2 5			n.a.
S 13	5 36	8 10	5 8	2 20	1 57	3 55	1 33	10 58	1 19	11 31	1 43	7 17	2 41	22 32	0 9	13 51	1 25	29 15	5 35	20 9	20 26	2 3			n.a.
S 14	5 59	4 0	5 4	1 39	1 52	3 25	1 33	10 43	1 19	11 32	1 43	7 15	2 41	22 33	0 9	13 51	1 25	29 15	5 35	20 7	20 25	2 0			n.a.
M15	6 23	0s18	4 47	0 57	1 48	2 54	1 33	10 29	1 19	11 34	1 42	7 13	2 41	22 33	0 9	13 51	1 25	29 15	5 35	20 6	20 25	1 58			n.a.
T 16	6 47	4 38	4 18	0 15	1 43	2 23	1 32	10 15	1 19	11 35	1 42	7 11	2 41	22 33	0 9	13 52	1 25	29 15	5 35	20 4	20 24	1 55			n.a.
W17	7 10	8 49	3 37	0s27	1 38	1 53	1 32	10 1	1 19	11 36	1 42	7 9	2 41	22 34	0 9	13 52	1 25	29 15	5 35	20 2	20 23	1 53			n.a.
T 18	7 34	12 41	2 46	1 10	1 32	1 22	1 31	9 46	1 19	11 37	1 42	7 7	2 41	22 34	0 9	13 52	1 25	29 15	5 35	20 1	20 23	1 51			n.a.
F 19	7 57	16 4	1 47	1 53	1 27	0 51	1 31	9 32	1 19	11 38	1 41	7 6	2 41	22 35	0 9	13 52	1 25	29 15	5 35	20 0	20 22	1 48			n.a.
S 20	8 20	18 46	0 41	2 36	1 21	0 20	1 30	9 17	1 19	11 39	1 41	7 4	2 41	22 35	0 9	13 53	1 25	29 14	5 34	19 59	20 21	1 46			n.a.
S 21	8 43	20 36	0n27	3 19	1 15	0s11	1 29	9 3	1 19	11 40	1 41	7 2	2 41	22 35	0 9	13 53	1 25	29 14	5 34	19 59	20 21	1 43			n.a.
M22	9 6	21 24	1 35	4 3	1 9	0 42	1 28	8 48	1 19	11 41	1 41	7 0	2 41	22 36	0 9	13 53	1 24	29 14	5 34	19 59	20 20	1 41			n.a.
T 23	9 29	21 4	2 40	4 46	1 2	1 13	1 28	8 33	1 19	11 42	1 40	6 58	2 41	22 36	0 9	13 53	1 24	29 14	5 34	20 0	20 19	1 39			n.a.
W24	9 51	19 34	3 38	5 29	0 56	1 44	1 27	8 19	1 19	11 42	1 40	6 57	2 41	22 36	0 9	13 54	1 24	29 14	5 34	20 0	20 18	1 36			n.a.
T 25	10 14	16 56	4 25	6 11	0 49	2 15	1 26	8 4	1 19	11 43	1 40	6 55	2 40	22 37	0 9	13 54	1 24	29 14	5 34	20 0	20 18	1 34			n.a.
F 26	10 36	13 17	4 57	6 54	0 43	2 46	1 25	7 49	1 19	11 43	1 39	6 53	2 40	22 37	0 9	13 54	1 24	29 14	5 34	20 0	20 17	1 31			n.a.
S 27	10 58	8 47	5 12	7 36	0 36	3 17	1 24	7 34	1 19	11 44	1 39	6 51	2 40	22 38	0 9	13 54	1 24	29 14	5 34	20 0	20 16	1 29			n.a.
S 28	11 20	3 42	5 8	8 18	0 29	3 47	1 22	7 20	1 20	11 44	1 39	6 50	2 40	22 38	0 9	13 54	1 24	29 14	5 34	19 59	20 16	1 27			n.a.
M29	11 42	1n40	4 43	9 0	0 23	4 18	1 21	7 5	1 20	11 44	1 39	6 48	2 40	22 38	0 9	13 55	1 24	29 14	5 34	19 58	20 15	1 24			n.a.
T 30	12 3	6 59	3 59	9 41	0 16	4 49	1 20	6 50	1 20	11 45	1 38	6 46	2 40	22 39	0 9	13 55	1 24	29 13	5 34	19 57	20 14	1 22			n.a.
W31	12s25	11n52	2n59	10s22	0n 9	5s19	1n19	6n35	1n20	11s45	1s38	6n44	2s40	22s39	0s 9	13s55	1s24	29s13	5s34	19s56	20s14	1n20			n.a.

Julian Day Number = 1558794.5, Delta T = 04h25m39s
Ecliptic obliquity = 23°44'53, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'18, Lahiri = -10°06'17 Julian Calendar 1 Oct. 446 BCE == Greg. Calendar 26 Sept. 446 BCE

The year -445 astronomical counting style corresponds to year 446 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

NOVEMBER 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 16 49	3♏16'25	7♉51	28♎32	17♎40	17♍13	3°R49	23°R21	11♐54	27°R12	4♑40	27°R50	29♏ 6	15♍23	n.a.	T 1
F 2	2 20 46	4°17'26	22°15	0♏ 6	18°55	17°51	3♓48	23♈16	11°57	27♒12	4°41	27°D48	29° 3	15°29	n.a.	F 2
S 3	2 24 43	5°18'27	6♊17	1°40	20°11	18°29	3°48	23°11	12° 0	27°11	4°42	27♏49	29° 0	15°36	n.a.	S 3
S 4	2 28 39	6°19'30	19°53	3°15	21°26	19° 8	3°48	23° 6	12° 3	27°11	4°43	27°50	28°56	15°43	n.a.	S 4
M 5	2 32 36	7°20'34	3♋ 4	4°49	22°42	19°46	3°D48	23° 2	12° 6	27°10	4°44	27°51	28°53	15°50	n.a.	M 5
T 6	2 36 32	8°21'39	15°52	6°23	23°57	20°24	3°48	22°57	12° 9	27°10	4°45	27°53	28°50	15°56	n.a.	T 6
W 7	2 40 29	9°22'46	28°19	7°58	25°13	21° 2	3°48	22°52	12°12	27°10	4°47	27°54	28°47	16° 3	n.a.	W 7
T 8	2 44 25	10°23'53	10♌30	9°32	26°28	21°40	3°49	22°48	12°16	27°10	4°48	27°R54	28°44	16°10	n.a.	T 8
F 9	2 48 22	11°25'02	22°30	11° 6	27°44	22°18	3°50	22°43	12°19	27° 9	4°49	27°54	28°41	16°17	n.a.	F 9
S 10	2 52 18	12°26'11	4♍23	12°41	28°59	22°56	3°51	22°39	12°22	27° 9	4°50	27°53	28°37	16°23	n.a.	S 10
S 11	2 56 15	13°27'21	16°14	14°15	0♏15	23°34	3°52	22°34	12°25	27° 9	4°52	27°51	28°34	16°30	n.a.	S 11
M12	3 0 12	14°28'33	28° 8	15°50	1°31	24°12	3°53	22°30	12°29	27° 9	4°53	27°49	28°31	16°37	n.a.	M12
T 13	3 4 8	15°29'45	10♎ 6	17°25	2°46	24°50	3°55	22°25	12°32	27° 9	4°54	27°47	28°28	16°43	n.a.	T 13
W14	3 8 5	16°30'58	22°13	18°59	4° 2	25°28	3°57	22°21	12°35	27°D 9	4°56	27°45	28°25	16°50	n.a.	W14
T 15	3 12 1	17°32'11	4♏31	20°34	5°17	26° 6	3°59	22°17	12°38	27° 9	4°57	27°44	28°21	16°57	n.a.	T 15
F 16	3 15 58	18°33'26	17° 0	22° 9	6°33	26°44	4° 1	22°13	12°42	27° 9	4°58	27°43	28°18	17° 4	n.a.	F 16
S 17	3 19 54	19°34'40	29°42	23°45	7°48	27°22	4° 3	22° 8	12°45	27° 9	5° 0	27°D43	28°15	17°10	n.a.	S 17
S 18	3 23 51	20°35'56	12♐37	25°20	9° 4	28° 0	4° 6	22° 4	12°48	27° 9	5° 1	27°43	28°12	17°17	n.a.	S 18
M19	3 27 48	21°37'11	25°45	26°56	10°20	28°38	4° 9	22° 0	12°52	27° 9	5° 3	27°44	28° 9	17°24	n.a.	M19
T 20	3 31 44	22°38'27	9♑ 6	28°31	11°35	29°16	4°12	21°56	12°55	27°10	5° 4	27°44	28° 6	17°30	n.a.	T 20
W21	3 35 41	23°39'43	22°40	0♐ 7	12°51	29°54	4°15	21°53	12°59	27°10	5° 5	27°45	28° 2	17°37	n.a.	W21
T 22	3 39 37	24°40'59	6♒26	1°43	14° 6	0♎32	4°19	21°49	13° 2	27°10	5° 7	27°45	27°59	17°44	n.a.	T 22
F 23	3 43 34	25°42'14	20°23	3°20	15°22	1°10	4°22	21°45	13° 6	27°10	5° 8	27°R45	27°56	17°51	n.a.	F 23
S 24	3 47 30	26°43'30	4♓31	4°56	16°37	1°48	4°26	21°42	13° 9	27°11	5°10	27°45	27°53	17°57	n.a.	S 24
S 25	3 51 27	27°44'46	18°47	6°33	17°53	2°26	4°30	21°38	13°12	27°11	5°11	27°D45	27°50	18° 4	n.a.	S 25
M26	3 55 23	28°46'01	3♈ 9	8° 9	19° 8	3° 3	4°34	21°35	13°16	27°11	5°13	27°45	27°47	18°11	n.a.	M26
T 27	3 59 20	29°47'16	17°34	9°46	20°24	3°41	4°39	21°31	13°19	27°12	5°15	27°45	27°43	18°17	n.a.	T 27
W28	4 3 17	0♐48'31	1♉57	11°23	21°39	4°19	4°43	21°28	13°23	27°12	5°16	27°45	27°40	18°24	n.a.	W28
T 29	4 7 13	1°49'46	16°13	13° 0	22°55	4°57	4°48	21°25	13°26	27°13	5°18	27°46	27°37	18°31	n.a.	T 29
F 30	4 11 10	2♐51'01	0♊17	14♐37	24♏10	5♎35	4♓53	21♈22	13♐30	27♒13	5♑19	27°R46	27♏34	18♍38	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s46	16n 0	1n48	11s 3	0n 3	5s50	1n17	6n20	1n20	11s45	1s38	6n43	2s40	22s40	0s 9	13s55	1s24	29s13	5s34	19s56	20s13	1n17		n.a.
F 2	13 7	19 4	0 31	11 43	0s 4	6 20	1 16	6 5	1 20	11 45	1 37	6 41	2 40	22 40	0 9	13 55	1 24	29 13	5 34	19 56	20 12	1 15		n.a.
S 3	13 28	20 52	0s47	12 22	0 10	6 51	1 14	5 50	1 20	11 45	1 37	6 39	2 40	22 40	0 9	13 55	1 24	29 13	5 33	19 56	20 12	1 12		n.a.
S 4	13 48	21 23	1 59	13 1	0 17	7 21	1 13	5 34	1 20	11 45	1 37	6 38	2 40	22 41	0 9	13 55	1 24	29 13	5 33	19 56	20 11	1 10		n.a.
M 5	14 8	20 40	3 2	13 40	0 23	7 51	1 11	5 19	1 20	11 44	1 36	6 36	2 39	22 41	0 9	13 55	1 24	29 13	5 33	19 56	20 10	1 8		n.a.
T 6	14 28	18 54	3 55	14 17	0 30	8 20	1 9	5 4	1 20	11 44	1 36	6 34	2 39	22 42	0 9	13 55	1 24	29 13	5 33	19 57	20 9	1 5		n.a.
W 7	14 48	16 17	4 35	14 55	0 36	8 50	1 8	4 49	1 20	11 43	1 36	6 33	2 39	22 42	0 9	13 55	1 24	29 13	5 33	19 57	20 9	1 3		n.a.
T 8	15 8	13 0	5 2	15 31	0 42	9 19	1 6	4 34	1 20	11 43	1 36	6 31	2 39	22 42	0 9	13 55	1 24	29 13	5 33	19 57	20 8	1 1		n.a.
F 9	15 27	9 14	5 14	16 7	0 48	9 48	1 4	4 19	1 20	11 42	1 35	6 30	2 39	22 43	0 9	13 56	1 24	29 12	5 33	19 57	20 7	0 58		n.a.
S 10	15 46	5 10	5 14	16 42	0 54	10 17	1 2	4 3	1 20	11 42	1 35	6 28	2 39	22 43	0 9	13 56	1 24	29 12	5 33	19 56	20 7	0 56		n.a.
S 11	16 5	0 54	5 0	17 17	1 0	10 46	1 0	3 48	1 20	11 41	1 35	6 26	2 39	22 44	0 9	13 56	1 24	29 12	5 33	19 56	20 6	0 53		n.a.
M12	16 23	3s25	4 33	17 50	1 6	11 14	0 58	3 33	1 19	11 40	1 34	6 25	2 38	22 44	0 9	13 56	1 24	29 12	5 33	19 56	20 5	0 51		n.a.
T 13	16 41	7 38	3 54	18 23	1 11	11 42	0 57	3 17	1 19	11 39	1 34	6 24	2 38	22 45	0 9	13 56	1 24	29 12	5 33	19 55	20 4	0 49		n.a.
W14	16 59	11 36	3 4	18 55	1 17	12 10	0 55	3 2	1 19	11 38	1 34	6 22	2 38	22 45	0 9	13 56	1 24	29 12	5 33	19 55	20 4	0 46		n.a.
T 15	17 17	15 9	2 5	19 26	1 22	12 38	0 53	2 47	1 19	11 37	1 33	6 21	2 38	22 45	0 9	13 55	1 24	29 12	5 33	19 54	20 3	0 44		n.a.
F 16	17 34	18 4	0 59	19 56	1 27	13 5	0 50	2 32	1 19	11 36	1 33	6 19	2 38	22 46	0 9	13 55	1 24	29 12	5 33	19 54	20 2	0 42		n.a.
S 17	17 51	20 10	0n11	20 26	1 32	13 32	0 48	2 16	1 19	11 35	1 33	6 18	2 37	22 46	0 9	13 55	1 24	29 12	5 33	19 54	20 2	0 39		n.a.
S 18	18 8	21 15	1 22	20 54	1 36	13 58	0 46	2 1	1 19	11 34	1 32	6 17	2 37	22 47	0 9	13 55	1 23	29 12	5 33	19 54	20 1	0 37		n.a.
M19	18 24	21 11	2 29	21 21	1 40	14 25	0 44	1 46	1 19	11 32	1 32	6 15	2 37	22 47	0 9	13 55	1 23	29 12	5 33	19 54	20 0	0 34		n.a.
T 20	18 40	19 56	3 30	21 47	1 45	14 50	0 42	1 30	1 19	11 31	1 32	6 14	2 37	22 48	0 9	13 55	1 23	29 11	5 33	19 55	19 59	0 32		n.a.
W21	18 56	17 32	4 20	22 12	1 48	15 16	0 40	1 15	1 19	11 30	1 32	6 13	2 37	22 48	0 9	13 55	1 23	29 11	5 33	19 55	19 59	0 30		n.a.
T 22	19 11	14 8	4 56	22 36	1 52	15 41	0 37	0 59	1 19	11 28	1 31	6 12	2 36	22 49	0 9	13 55	1 23	29 11	5 33	19 55	19 58	0 27		n.a.
F 23	19 26	9 54	5 15	22 58	1 55	16 5	0 35	0 44	1 19	11 26	1 31	6 10	2 36	22 49	0 9	13 55	1 23	29 11	5 33	19 55	19 57	0 25		n.a.
S 24	19 40	5 5	5 15	23 20	1 58	16 30	0 33	0 29	1 19	11 25	1 31	6 9	2 36	22 49	0 9	13 55	1 23	29 11	5 33	19 55	19 57	0 23		n.a.
S 25	19 55	0n 3	4 56	23 40	2 1	16 53	0 31	0 13	1 19	11 23	1 30	6 8	2 36	22 50	0 9	13 54	1 23	29 11	5 33	19 55	19 56	0 20		n.a.
M26	20 8	5 13	4 19	23 58	2 3	17 17	0 28	0s 2	1 19	11 21	1 30	6 7	2 36	22 50	0 9	13 54	1 23	29 11	5 33	19 55	19 55	0 18		n.a.
T 27	20 22	10 8	3 25	24 16	2 5	17 40	0 26	0 17	1 19	11 19	1 30	6 6	2 35	22 51	0 9	13 54	1 23	29 11	5 33	19 55	19 54	0 16		n.a.
W28	20 35	14 28	2 18	24 31	2 7	18 2	0 24	0 32	1 18	11 17	1 29	6 5	2 35	22 51	0 9	13 54	1 23	29 11	5 33	19 55	19 54	0 13		n.a.
T 29	20 48	17 55	1 4	24 46	2 8	18 24	0 21	0 48	1 18	11 15	1 29	6 4	2 35	22 52	0 9	13 54	1 23	29 11	5 33	19 55	19 53	0 11		n.a.
F 30	21s 0	20n15	0s14	24s58	2s 8	18s45	0n19	1s 3	1n18	11s13	1s29	6n 3	2s35	22s52	0s 9	13s53	1s23	29s11	5s33	19s55	19s52	0n 9		n.a.

Julian Day Number = 1558825.5, Delta T = 04h25m38s
Ecliptic obliquity = 23°44'53, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'14, Lahiri = -10°06'13 Julian Calendar 1 Nov. 446 BCE == Greg. Calendar 27 Oct. 446 BCE

The year -445 astronomical counting style corresponds to year 446 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 446 BCE
geocentric

DECEMBER 446 BCE (-445) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 15 6	3♐52'16	14♊ 5	16♐13	25♏26	6♎13	4♓58	21°R19	13♐34	27♒14	5♑21	27°R46	27♏31	18♍44	n.a.	S 1
S 2	4 19 3	4°53'30	27°35	17°50	26°41	6°51	5° 3	21♈16	13°37	27°15	5°23	27♏45	27°27	18°51	n.a.	S 2
M 3	4 22 59	5°54'45	10♋45	19°26	27°57	7°29	5° 9	21°13	13°41	27°15	5°24	27°44	27°24	18°58	n.a.	M 3
T 4	4 26 56	6°56'00	23°34	21° 1	29°12	8° 6	5°14	21°11	13°44	27°16	5°26	27°43	27°21	19° 4	n.a.	T 4
W 5	4 30 52	7°57'14	6♌ 5	22°37	0♐28	8°44	5°20	21° 8	13°48	27°17	5°28	27°41	27°18	19°11	n.a.	W 5
T 6	4 34 49	8°58'29	18°20	24°11	1°43	9°22	5°26	21° 5	13°51	27°17	5°29	27°40	27°15	19°18	n.a.	T 6
F 7	4 38 46	9°59'43	0♍22	25°44	2°59	10° 0	5°33	21° 3	13°55	27°18	5°31	27°39	27°12	19°25	n.a.	F 7
S 8	4 42 42	11° 0'58	12°17	27°16	4°14	10°38	5°39	21° 1	13°59	27°19	5°33	27°D39	27° 8	19°31	n.a.	S 8
S 9	4 46 39	12° 2'12	24° 8	28°47	5°30	11°15	5°45	20°59	14° 2	27°20	5°35	27°40	27° 5	19°38	n.a.	S 9
M10	4 50 35	13° 3'26	6♎ 2	0♑15	6°45	11°53	5°52	20°56	14° 6	27°21	5°36	27°41	27° 2	19°45	n.a.	M10
T 11	4 54 32	14° 4'40	18° 2	1°41	8° 1	12°31	5°59	20°54	14° 9	27°22	5°38	27°42	26°59	19°51	n.a.	T 11
W12	4 58 28	15° 5'53	0♏12	3° 4	9°16	13° 9	6° 6	20°53	14°13	27°23	5°40	27°44	26°56	19°58	n.a.	W12
T 13	5 2 25	16° 7'07	12°37	4°24	10°31	13°46	6°13	20°51	14°16	27°24	5°42	27°45	26°53	20° 5	n.a.	T 13
F 14	5 6 21	17° 8'20	25°18	5°41	11°47	14°24	6°20	20°49	14°20	27°25	5°43	27°R45	26°49	20°12	n.a.	F 14
S 15	5 10 18	18° 9'32	8♐18	6°52	13° 2	15° 2	6°28	20°48	14°24	27°26	5°45	27°45	26°46	20°18	n.a.	S 15
S 16	5 14 15	19°10'44	21°35	7°58	14°18	15°39	6°36	20°46	14°27	27°27	5°47	27°44	26°43	20°25	n.a.	S 16
M17	5 18 11	20°11'55	5♑10	8°58	15°33	16°17	6°43	20°45	14°31	27°28	5°49	27°41	26°40	20°32	n.a.	M17
T 18	5 22 8	21°13'05	19° 0	9°51	16°48	16°54	6°51	20°44	14°34	27°29	5°51	27°38	26°37	20°38	n.a.	T 18
W19	5 26 4	22°14'15	3♒ 1	10°36	18° 4	17°32	6°59	20°43	14°38	27°30	5°52	27°34	26°33	20°45	n.a.	W19
T 20	5 30 1	23°15'23	17° 9	11°13	19°19	18°10	7° 8	20°42	14°41	27°31	5°54	27°30	26°30	20°52	n.a.	T 20
F 21	5 33 57	24°16'30	1♓21	11°40	20°35	18°47	7°16	20°41	14°45	27°32	5°56	27°28	26°27	20°59	n.a.	F 21
S 22	5 37 54	25°17'36	15°33	11°56	21°50	19°25	7°25	20°40	14°48	27°34	5°58	27°26	26°24	21° 5	n.a.	S 22
S 23	5 41 51	26°18'41	29°44	12°R 2	23° 5	20° 2	7°33	20°39	14°52	27°35	6° 0	27°D26	26°21	21°12	n.a.	S 23
M24	5 45 47	27°19'44	13♈50	11°56	24°21	20°40	7°42	20°39	14°56	27°36	6° 2	27°27	26°18	21°19	n.a.	M24
T 25	5 49 44	28°20'46	27°51	11°39	25°36	21°17	7°51	20°38	14°59	27°38	6° 3	27°28	26°14	21°25	n.a.	T 25
W26	5 53 40	29°21'47	11♉46	11°11	26°51	21°54	8° 0	20°38	15° 3	27°39	6° 5	27°30	26°11	21°32	n.a.	W26
T 27	5 57 37	0♑22'47	25°32	10°31	28° 6	22°32	8° 9	20°38	15° 6	27°40	6° 7	27°R30	26° 8	21°39	n.a.	T 27
F 28	6 1 33	1°23'45	9♊ 8	9°42	29°22	23° 9	8°19	20°D38	15°10	27°42	6° 9	27°30	26° 5	21°46	n.a.	F 28
S 29	6 5 30	2°24'42	22°33	8°44	0♑37	23°47	8°28	20°38	15°13	27°43	6°11	27°28	26° 2	21°52	n.a.	S 29
S 30	6 9 26	3°25'38	5♋45	7°39	1°52	24°24	8°38	20°38	15°16	27°45	6°13	27°23	25°59	21°59	n.a.	S 30
M31	6 13 23	4♑26'33	18♋43	6♑29	3♑ 7	25♎ 1	8♓48	20♈38	15♐20	27♒46	6♑15	27♏17	25♏55	22♍ 6	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	21s12	21n18	1s29	25s 9	2s 8	19s 6	0n17	1s18	1n18	11s11	1s29	6n 2	2s34	22s53	0s 9	13s53	1s23	29s10	5s33	19s55	19s51	0n 6		n.a.	
S 2	21 23	21 6	2 38	25 18	2 8	19 26	0 14	1 34	1 18	11 9	1 28	6 1	2 34	22 53	0 9	13 53	1 23	29 10	5 33	19 55	19 51	0 4		n.a.	
M 3	21 34	19 43	3 36	25 26	2 7	19 46	0 12	1 49	1 18	11 6	1 28	6 1	2 34	22 53	0 9	13 53	1 23	29 10	5 33	19 55	19 50	0 2		n.a.	
T 4	21 45	17 21	4 22	25 32	2 6	20 5	0 9	2 4	1 18	11 4	1 28	6 0	2 33	22 54	0 9	13 52	1 23	29 10	5 33	19 54	19 49	0s 1		n.a.	
W 5	21 55	14 14	4 55	25 36	2 4	20 24	0 7	2 19	1 18	11 2	1 27	5 59	2 33	22 54	0 9	13 52	1 23	29 10	5 33	19 54	19 49	0 3		n.a.	
T 6	22 5	10 35	5 12	25 38	2 1	20 42	0 5	2 34	1 17	10 59	1 27	5 58	2 33	22 55	0 9	13 52	1 23	29 10	5 33	19 54	19 48	0 5		n.a.	
F 7	22 14	6 33	5 16	25 38	1 57	20 59	0 2	2 50	1 17	10 56	1 27	5 58	2 33	22 55	0 9	13 51	1 23	29 10	5 33	19 53	19 47	0 8		n.a.	
S 8	22 23	2 20	5 6	25 36	1 53	21 16	0s 0	3 5	1 17	10 54	1 27	5 57	2 32	22 56	0 9	13 51	1 23	29 10	5 33	19 53	19 46	0 10		n.a.	
S 9	22 31	1s58	4 44	25 33	1 48	21 32	0 3	3 20	1 17	10 51	1 26	5 57	2 32	22 56	0 9	13 51	1 23	29 10	5 33	19 54	19 46	0 13		n.a.	
M10	22 39	6 13	4 9	25 27	1 43	21 48	0 5	3 35	1 17	10 48	1 26	5 56	2 32	22 57	0 9	13 50	1 23	29 10	5 33	19 54	19 45	0 15		n.a.	
T 11	22 47	10 16	3 22	25 20	1 36	22 3	0 7	3 50	1 17	10 46	1 26	5 56	2 32	22 57	0 10	13 50	1 23	29 10	5 33	19 54	19 44	0 17		n.a.	
W12	22 54	13 58	2 26	25 11	1 28	22 17	0 10	4 5	1 16	10 43	1 25	5 55	2 31	22 57	0 9	13 50	1 23	29 10	5 33	19 54	19 43	0 20		n.a.	
T 13	23 1	17 8	1 23	25 0	1 20	22 31	0 12	4 20	1 16	10 40	1 25	5 55	2 31	22 58	0 9	13 49	1 23	29 10	5 33	19 55	19 43	0 22		n.a.	
F 14	23 7	19 33	0 14	24 48	1 10	22 44	0 15	4 35	1 16	10 37	1 25	5 54	2 31	22 58	0 9	13 49	1 22	29 10	5 33	19 55	19 42	0 24		n.a.	
S 15	23 13	21 1	0n58	24 33	1 0	22 56	0 17	4 50	1 16	10 34	1 25	5 54	2 30	22 59	0 10	13 49	1 22	29 10	5 33	19 55	19 41	0 27		n.a.	
S 16	23 18	21 21	2 8	24 18	0 48	23 8	0 19	5 5	1 16	10 31	1 24	5 54	2 30	22 59	0 10	13 48	1 22	29 9	5 33	19 54	19 40	0 29		n.a.	
M17	23 23	20 27	3 12	24 1	0 35	23 19	0 21	5 19	1 15	10 27	1 24	5 54	2 30	23 0	0 10	13 48	1 22	29 9	5 33	19 54	19 40	0 31		n.a.	
T 18	23 27	18 20	4 6	23 44	0 21	23 29	0 24	5 34	1 15	10 24	1 24	5 53	2 29	23 0	0 10	13 47	1 22	29 9	5 33	19 53	19 39	0 34		n.a.	
W19	23 31	15 6	4 46	23 25	0 6	23 38	0 26	5 49	1 15	10 21	1 24	5 53	2 29	23 0	0 10	13 47	1 22	29 9	5 33	19 52	19 38	0 36		n.a.	
T 20	23 34	11 0	5 9	23 7	0n 9	23 47	0 28	6 4	1 15	10 18	1 23	5 53	2 29	23 1	0 10	13 46	1 22	29 9	5 33	19 51	19 37	0 38		n.a.	
F 21	23 37	6 16	5 13	22 48	0 26	23 55	0 30	6 18	1 15	10 14	1 23	5 53	2 29	23 1	0 10	13 46	1 22	29 9	5 33	19 51	19 37	0 40		n.a.	
S 22	23 40	1 11	4 58	22 29	0 44	24 2	0 33	6 33	1 14	10 11	1 23	5 53	2 28	23 2	0 10	13 46	1 22	29 9	5 33	19 50	19 36	0 43		n.a.	
S 23	23 42	3n56	4 25	22 10	1 2	24 9	0 35	6 47	1 14	10 7	1 23	5 53	2 28	23 2	0 10	13 45	1 22	29 9	5 33	19 50	19 35	0 45		n.a.	
M24	23 43	8 51	3 37	21 52	1 20	24 14	0 37	7 2	1 14	10 4	1 22	5 53	2 28	23 3	0 10	13 45	1 22	29 9	5 33	19 51	19 34	0 47		n.a.	
T 25	23 44	13 15	2 35	21 35	1 39	24 19	0 39	7 16	1 14	10 0	1 22	5 53	2 27	23 3	0 10	13 44	1 22	29 9	5 33	19 51	19 34	0 50		n.a.	
W26	23 45	16 54	1 25	21 19	1 58	24 24	0 41	7 31	1 13	9 56	1 22	5 54	2 27	23 3	0 10	13 44	1 22	29 9	5 33	19 51	19 33	0 52		n.a.	
T 27	23 45	19 34	0 11	21 4	2 16	24 27	0 43	7 45	1 13	9 53	1 22	5 54	2 27	23 4	0 10	13 43	1 22	29 9	5 33	19 51	19 32	0 54		n.a.	
F 28	23 44	21 4	1s 3	20 51	2 33	24 30	0 45	7 59	1 13	9 49	1 21	5 54	2 26	23 4	0 10	13 43	1 22	29 9	5 33	19 51	19 31	0 57		n.a.	
S 29	23 44	21 20	2 12	20 39	2 49	24 32	0 47	8 14	1 12	9 45	1 21	5 54	2 26	23 5	0 10	13 42	1 22	29 9	5 33	19 51	19 31	0 59		n.a.	
S 30	23 42	20 24	3 13	20 29	3 3	24 33	0 49	8 28	1 12	9 41	1 21	5 55	2 26	23 5	0 10	13 41	1 22	29 9	5 33	19 50	19 30	1 1		n.a.	
M31	23s40	18n25	4s 3	20s20	3n15	24s34	0s51	8s42	1n12	9s37	1s21	5n55	2s25	23s 5	0s10	13s41	1s22	29s 9	5s33	19s48	19s29	1s 4		n.a.	

Julian Day Number = 1558855.5, Delta T = 04h25m37s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'09, Lahiri = -10°06'09 Julian Calendar 1 Dec. 446 BCE == Greg. Calendar 26 Nov. 446 BCE

The year -445 astronomical counting style corresponds to year 446 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

JANUARY 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 17 20	5♉27'27	1♌25	5°R16	4♉23	25♎39	8♓57	20♈39	15♐23	27♒48	6♉16	27°R11	25♏52	22♍12	n.a.	T 1
W 2	6 21 16	6°28'19	13°53	4♉ 3	5°38	26°16	9° 7	20°39	15°27	27°49	6°18	27♏ 3	25°49	22°19	n.a.	W 2
T 3	6 25 13	7°29'10	26° 7	2°50	6°53	26°53	9°17	20°40	15°30	27°51	6°20	26°56	25°46	22°26	n.a.	T 3
F 4	6 29 9	8°30'00	8♍ 9	1°41	8° 8	27°30	9°28	20°41	15°33	27°53	6°22	26°51	25°43	22°32	n.a.	F 4
S 5	6 33 6	9°30'49	20° 4	0°36	9°23	28° 7	9°38	20°42	15°37	27°54	6°24	26°46	25°39	22°39	n.a.	S 5
S 6	6 37 2	10°31'37	1♎55	29♐37	10°39	28°45	9°48	20°43	15°40	27°56	6°26	26°44	25°36	22°46	n.a.	S 6
M 7	6 40 59	11°32'23	13°47	28°46	11°54	29°22	9°59	20°44	15°43	27°57	6°28	26°D44	25°33	22°53	n.a.	M 7
T 8	6 44 55	12°33'09	25°46	28° 2	13° 9	29°59	10°10	20°45	15°47	27°59	6°30	26°45	25°30	22°59	n.a.	T 8
W 9	6 48 52	13°33'53	7♏55	27°26	14°24	0♏36	10°20	20°46	15°50	28° 1	6°31	26°46	25°27	23° 6	n.a.	W 9
T 10	6 52 49	14°34'36	20°21	26°58	15°39	1°13	10°31	20°48	15°53	28° 3	6°33	26°R47	25°24	23°13	n.a.	T 10
F 11	6 56 45	15°35'18	3♐ 7	26°38	16°54	1°50	10°42	20°49	15°57	28° 4	6°35	26°47	25°20	23°19	n.a.	F 11
S 12	7 0 42	16°35'58	16°17	26°26	18° 9	2°27	10°53	20°51	16° 0	28° 6	6°37	26°45	25°17	23°26	n.a.	S 12
S 13	7 4 38	17°36'37	29°50	26°D22	19°24	3° 4	11° 4	20°53	16° 3	28° 8	6°39	26°41	25°14	23°33	n.a.	S 13
M14	7 8 35	18°37'15	13♉47	26°25	20°39	3°41	11°16	20°54	16° 6	28°10	6°41	26°35	25°11	23°40	n.a.	M14
T 15	7 12 31	19°37'51	28° 4	26°35	21°54	4°17	11°27	20°56	16° 9	28°12	6°42	26°26	25° 8	23°46	n.a.	T 15
W16	7 16 28	20°38'25	12♒34	26°50	23° 9	4°54	11°39	20°58	16°12	28°14	6°44	26°17	25° 5	23°53	n.a.	W16
T 17	7 20 25	21°38'57	27°12	27°12	24°25	5°31	11°50	21° 1	16°15	28°15	6°46	26° 9	25° 1	24° 0	n.a.	T 17
F 18	7 24 21	22°39'27	11♓49	27°39	25°40	6° 8	12° 2	21° 3	16°19	28°17	6°48	26° 1	24°58	24° 6	n.a.	F 18
S 19	7 28 18	23°39'56	26°20	28°11	26°55	6°44	12°13	21° 5	16°22	28°19	6°50	25°56	24°55	24°13	n.a.	S 19
S 20	7 32 14	24°40'22	10♈39	28°48	28° 9	7°21	12°25	21° 8	16°25	28°21	6°52	25°53	24°52	24°20	n.a.	S 20
M21	7 36 11	25°40'46	24°44	29°29	29°24	7°57	12°37	21°11	16°28	28°23	6°53	25°D52	24°49	24°27	n.a.	M21
T 22	7 40 7	26°41'08	8♉36	0♉14	0♒39	8°34	12°49	21°13	16°31	28°25	6°55	25°52	24°45	24°33	n.a.	T 22
W23	7 44 4	27°41'28	22°13	1° 3	1°54	9°10	13° 1	21°16	16°33	28°27	6°57	25°R53	24°42	24°40	n.a.	W23
T 24	7 48 0	28°41'46	5♊37	1°55	3° 9	9°47	13°13	21°19	16°36	28°29	6°59	25°52	24°39	24°47	n.a.	T 24
F 25	7 51 57	29°42'02	18°49	2°50	4°24	10°23	13°26	21°22	16°39	28°31	7° 0	25°50	24°36	24°53	n.a.	F 25
S 26	7 55 53	0♒42'15	1♋50	3°48	5°39	11° 0	13°38	21°25	16°42	28°33	7° 2	25°45	24°33	25° 0	n.a.	S 26
S 27	7 59 50	1°42'27	14°40	4°49	6°54	11°36	13°50	21°29	16°45	28°35	7° 4	25°37	24°30	25° 7	n.a.	S 27
M28	8 3 47	2°42'37	27°20	5°52	8° 9	12°12	14° 3	21°32	16°48	28°37	7° 6	25°27	24°26	25°13	n.a.	M28
T 29	8 7 43	3°42'44	9♌48	6°58	9°23	12°48	14°15	21°35	16°50	28°40	7° 7	25°14	24°23	25°20	n.a.	T 29
W30	8 11 40	4°42'50	22° 7	8° 6	10°38	13°24	14°28	21°39	16°53	28°42	7° 9	25° 1	24°20	25°27	n.a.	W30
T 31	8 15 36	5♒42'54	4♍15	9♉16	11♒53	14♏ 1	14♓41	21♈43	16♐56	28♒44	7♉11	24♏49	24♏17	25♍34	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s38	15n34	4s39	20s13	3n25	24s33	0s53	8s56	1n11	9s33	1s20	5n56	2s25	23s 6	0s10	13s40	1s22	29s 9	5s33	19s47	19s28	1s 6		n.a.
W 2	23 35	12 4	5 2	20 8	3 33	24 32	0 55	9 10	1 11	9 29	1 20	5 56	2 25	23 6	0 10	13 40	1 22	29 9	5 34	19 45	19 28	1 8		n.a.
T 3	23 32	8 7	5 10	20 5	3 39	24 31	0 57	9 24	1 11	9 25	1 20	5 57	2 24	23 6	0 10	13 39	1 22	29 9	5 34	19 43	19 27	1 11		n.a.
F 4	23 28	3 56	5 4	20 3	3 41	24 28	0 58	9 38	1 10	9 21	1 20	5 57	2 24	23 7	0 10	13 39	1 22	29 9	5 34	19 42	19 26	1 13		n.a.
S 5	23 24	0s22	4 45	20 3	3 42	24 25	1 0	9 51	1 10	9 17	1 20	5 58	2 24	23 7	0 10	13 38	1 22	29 9	5 34	19 41	19 25	1 15		n.a.
S 6	23 19	4 38	4 13	20 4	3 41	24 20	1 2	10 5	1 10	9 13	1 19	5 58	2 24	23 8	0 10	13 37	1 22	29 9	5 34	19 41	19 24	1 18		n.a.
M 7	23 14	8 45	3 31	20 7	3 37	24 16	1 3	10 19	1 9	9 9	1 19	5 59	2 23	23 8	0 10	13 37	1 22	29 9	5 34	19 41	19 24	1 20		n.a.
T 8	23 9	12 33	2 40	20 12	3 32	24 10	1 5	10 32	1 9	9 4	1 19	6 0	2 23	23 8	0 10	13 36	1 22	29 9	5 34	19 41	19 23	1 22		n.a.
W 9	23 3	15 54	1 40	20 18	3 25	24 4	1 6	10 46	1 8	9 0	1 19	6 1	2 23	23 9	0 10	13 36	1 22	29 9	5 34	19 41	19 22	1 24		n.a.
T 10	22 56	18 37	0 35	20 25	3 17	23 56	1 8	10 59	1 8	8 56	1 19	6 1	2 22	23 9	0 10	13 35	1 22	29 9	5 34	19 41	19 21	1 27		n.a.
F 11	22 49	20 30	0n34	20 34	3 9	23 49	1 9	11 12	1 8	8 51	1 18	6 2	2 22	23 9	0 10	13 34	1 22	29 9	5 34	19 41	19 21	1 29		n.a.
S 12	22 42	21 19	1 43	20 43	2 59	23 40	1 11	11 26	1 7	8 47	1 18	6 3	2 22	23 10	0 10	13 34	1 22	29 9	5 34	19 41	19 20	1 31		n.a.
S 13	22 34	20 57	2 48	20 53	2 49	23 31	1 12	11 39	1 7	8 42	1 18	6 4	2 21	23 10	0 10	13 33	1 22	29 9	5 34	19 40	19 19	1 34		n.a.
M14	22 26	19 18	3 45	21 4	2 38	23 21	1 13	11 52	1 6	8 38	1 18	6 5	2 21	23 10	0 10	13 32	1 22	29 9	5 35	19 38	19 18	1 36		n.a.
T 15	22 17	16 25	4 29	21 16	2 27	23 10	1 14	12 5	1 6	8 33	1 18	6 6	2 21	23 11	0 10	13 32	1 22	29 9	5 35	19 36	19 18	1 38		n.a.
W16	22 8	12 30	4 57	21 27	2 15	22 58	1 16	12 18	1 5	8 29	1 17	6 7	2 20	23 11	0 10	13 31	1 22	29 9	5 35	19 34	19 17	1 40		n.a.
T 17	21 59	7 49	5 5	21 39	2 4	22 46	1 17	12 31	1 5	8 24	1 17	6 8	2 20	23 11	0 10	13 30	1 22	29 9	5 35	19 32	19 16	1 43		n.a.
F 18	21 49	2 42	4 54	21 52	1 52	22 33	1 18	12 43	1 4	8 19	1 17	6 10	2 20	23 12	0 10	13 30	1 22	29 9	5 35	19 30	19 15	1 45		n.a.
S 19	21 39	2n33	4 24	22 4	1 41	22 20	1 19	12 56	1 4	8 15	1 17	6 11	2 19	23 12	0 10	13 29	1 21	29 9	5 35	19 29	19 14	1 47		n.a.
S 20	21 28	7 35	3 37	22 15	1 29	22 6	1 20	13 9	1 3	8 10	1 17	6 12	2 19	23 12	0 10	13 28	1 21	29 9	5 35	19 28	19 14	1 50		n.a.
M21	21 17	12 9	2 38	22 27	1 18	21 51	1 21	13 21	1 3	8 5	1 17	6 13	2 19	23 13	0 10	13 27	1 21	29 9	5 35	19 28	19 13	1 52		n.a.
T 22	21 5	15 59	1 31	22 38	1 6	21 36	1 21	13 34	1 2	8 0	1 16	6 15	2 19	23 13	0 10	13 27	1 21	29 9	5 36	19 28	19 12	1 54		n.a.
W23	20 53	18 52	0 20	22 49	0 55	21 19	1 22	13 46	1 2	7 55	1 16	6 16	2 18	23 13	0 10	13 26	1 21	29 9	5 36	19 28	19 11	1 56		n.a.
T 24	20 41	20 40	0s52	22 59	0 45	21 3	1 23	13 58	1 1	7 51	1 16	6 17	2 18	23 14	0 10	13 25	1 21	29 9	5 36	19 28	19 11	1 59		n.a.
F 25	20 29	21 18	1 59	23 9	0 34	20 45	1 23	14 10	1 1	7 46	1 16	6 19	2 18	23 14	0 10	13 25	1 21	29 9	5 36	19 28	19 10	2 1		n.a.
S 26	20 16	20 45	2 59	23 18	0 24	20 27	1 24	14 22	1 0	7 41	1 16	6 20	2 17	23 14	0 10	13 24	1 21	29 9	5 36	19 27	19 9	2 3		n.a.
S 27	20 2	19 8	3 49	23 26	0 13	20 9	1 25	14 34	0 59	7 36	1 16	6 22	2 17	23 15	0 10	13 23	1 21	29 9	5 36	19 25	19 8	2 6		n.a.
M28	19 48	16 36	4 27	23 33	0 4	19 50	1 25	14 46	0 59	7 31	1 15	6 23	2 17	23 15	0 10	13 22	1 21	29 9	5 36	19 22	19 7	2 8		n.a.
T 29	19 34	13 21	4 51	23 40	0s 6	19 30	1 25	14 58	0 58	7 26	1 15	6 25	2 17	23 15	0 10	13 22	1 21	29 9	5 36	19 19	19 7	2 10		n.a.
W30	19 20	9 34	5 1	23 45	0 15	19 10	1 26	15 9	0 57	7 21	1 15	6 26	2 16	23 16	0 10	13 21	1 21	29 9	5 37	19 16	19 6	2 12		n.a.
T 31	19s 5	5n28	4s57	23s49	0s24	18s49	1s26	15s21	0n57	7s16	1s15	6n28	2s16	23s16	0s10	13s20	1s21	29s 9	5s37	19s13	19s 5	2s15		n.a.

Julian Day Number = 1558886.5, Delta T = 04h25m35s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'05, Lahiri = -10°06'05 Julian Calendar 1 Jan. 445 BCE == Greg. Calendar 27 Dec. 446 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

FEBRUARY 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 19 33	6♒42'56	16♍14	10♉28	13♒ 8	14♏37	14♓53	21♈46	16♐58	28♒46	7♉12	24°R38	24♏14	25♍40	n.a.	F 1
S 2	8 23 29	7°42'56	28° 7	11°41	14°22	15°13	15° 6	21°50	17° 1	28°48	7°14	24♏29	24°10	25°47	n.a.	S 2
S 3	8 27 26	8°42'54	9♎57	12°57	15°37	15°49	15°19	21°54	17° 3	28°50	7°16	24°22	24° 7	25°54	n.a.	S 3
M 4	8 31 22	9°42'50	21°48	14°14	16°52	16°24	15°32	21°58	17° 6	28°52	7°17	24°19	24° 4	26° 0	n.a.	M 4
T 5	8 35 19	10°42'45	3♏44	15°33	18° 7	17° 0	15°45	22° 2	17° 8	28°55	7°19	24°17	24° 1	26° 7	n.a.	T 5
W 6	8 39 16	11°42'38	15°50	16°54	19°21	17°36	15°58	22° 6	17°11	28°57	7°21	24°D17	23°58	26°14	n.a.	W 6
T 7	8 43 12	12°42'29	28°13	18°16	20°36	18°12	16°11	22°11	17°13	28°59	7°22	24°R17	23°55	26°20	n.a.	T 7
F 8	8 47 9	13°42'18	10♐57	19°39	21°50	18°47	16°24	22°15	17°16	29° 1	7°24	24°16	23°51	26°27	n.a.	F 8
S 9	8 51 5	14°42'06	24° 7	21° 4	23° 5	19°23	16°38	22°20	17°18	29° 3	7°25	24°13	23°48	26°34	n.a.	S 9
S 10	8 55 2	15°41'52	7♑45	22°30	24°20	19°58	16°51	22°24	17°20	29° 6	7°27	24° 8	23°45	26°41	n.a.	S 10
M11	8 58 58	16°41'35	21°51	23°58	25°34	20°34	17° 4	22°29	17°22	29° 8	7°28	24° 0	23°42	26°47	n.a.	M11
T 12	9 2 55	17°41'17	6♒23	25°27	26°49	21° 9	17°18	22°34	17°25	29°10	7°30	23°49	23°39	26°54	n.a.	T 12
W13	9 6 51	18°40'57	21°14	26°58	28° 3	21°44	17°31	22°38	17°27	29°12	7°31	23°37	23°36	27° 1	n.a.	W13
T 14	9 10 48	19°40'34	6♓16	28°29	29°18	22°19	17°44	22°43	17°29	29°14	7°33	23°26	23°32	27° 7	n.a.	T 14
F 15	9 14 45	20°40'10	21°19	0♒ 2	0♓32	22°55	17°58	22°48	17°31	29°17	7°34	23°16	23°29	27°14	n.a.	F 15
S 16	9 18 41	21°39'43	6♈12	1°36	1°47	23°30	18°12	22°53	17°33	29°19	7°36	23° 8	23°26	27°21	n.a.	S 16
S 17	9 22 38	22°39'13	20°50	3°12	3° 1	24° 4	18°25	22°58	17°35	29°21	7°37	23° 3	23°23	27°27	n.a.	S 17
M18	9 26 34	23°38'41	5♉ 7	4°49	4°16	24°39	18°39	23° 4	17°37	29°24	7°39	23° 1	23°20	27°34	n.a.	M18
T 19	9 30 31	24°38'07	19° 2	6°27	5°30	25°14	18°53	23° 9	17°39	29°26	7°40	23° 1	23°16	27°41	n.a.	T 19
W20	9 34 27	25°37'30	2♊36	8° 6	6°45	25°49	19° 6	23°14	17°41	29°28	7°41	23° 1	23°13	27°48	n.a.	W20
T 21	9 38 24	26°36'51	15°51	9°47	7°59	26°23	19°20	23°20	17°43	29°30	7°43	23° 0	23°10	27°54	n.a.	T 21
F 22	9 42 20	27°36'10	28°49	11°29	9°13	26°58	19°34	23°25	17°44	29°33	7°44	22°57	23° 7	28° 1	n.a.	F 22
S 23	9 46 17	28°35'26	11♋34	13°12	10°27	27°32	19°48	23°31	17°46	29°35	7°45	22°51	23° 4	28° 8	n.a.	S 23
S 24	9 50 13	29°34'40	24° 6	14°57	11°42	28° 6	20° 2	23°37	17°48	29°37	7°47	22°43	23° 1	28°14	n.a.	S 24
M25	9 54 10	0♓33'51	6♌29	16°43	12°56	28°41	20°15	23°42	17°49	29°39	7°48	22°32	22°57	28°21	n.a.	M25
T 26	9 58 7	1°33'00	18°44	18°31	14°10	29°15	20°29	23°48	17°51	29°42	7°49	22°18	22°54	28°28	n.a.	T 26
W27	10 2 3	2°32'07	0♍50	20°19	15°24	29°49	20°43	23°54	17°53	29°44	7°50	22° 4	22°51	28°34	n.a.	W27
T 28	10 6 0	3°31'11	12°51	22°10	16°39	0♐23	20°57	24° 0	17°54	29°46	7°51	21°51	22°48	28°41	n.a.	T 28
F 29	10 9 56	4♓30'14	24♍45	24♒ 1	17♓53	0♐57	21♓11	24♈ 6	17♐55	29♒48	7♉53	21♏39	22♏45	28♍48	n.a.	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s50	1n12	4s41	23s52	0s33	18s28	1s26	15s32	0n56	7s10	1s15	6n30	2s16	23s16	0s10	13s19	1s21	29s 9	5s37	19s10	19s 4	2s17		n.a.
S 2	18 35	3s 5	4 12	23 55	0 41	18 6	1 26	15 44	0 55	7 5	1 15	6 31	2 15	23 16	0 10	13 19	1 21	29 9	5 37	19 8	19 3	2 19		n.a.
S 3	18 19	7 14	3 32	23 55	0 49	17 44	1 26	15 55	0 55	7 0	1 15	6 33	2 15	23 17	0 10	13 18	1 21	29 9	5 37	19 6	19 3	2 21		n.a.
M 4	18 3	11 7	2 43	23 55	0 57	17 21	1 26	16 6	0 54	6 55	1 14	6 35	2 15	23 17	0 10	13 17	1 21	29 9	5 37	19 5	19 2	2 24		n.a.
T 5	17 46	14 35	1 47	23 53	1 4	16 58	1 26	16 17	0 53	6 50	1 14	6 37	2 15	23 17	0 10	13 16	1 21	29 9	5 37	19 5	19 1	2 26		n.a.
W 6	17 30	17 30	0 45	23 50	1 11	16 34	1 26	16 28	0 52	6 44	1 14	6 39	2 14	23 17	0 10	13 15	1 21	29 10	5 38	19 5	19 0	2 28		n.a.
T 7	17 13	19 41	0n21	23 46	1 18	16 10	1 26	16 39	0 52	6 39	1 14	6 40	2 14	23 18	0 10	13 15	1 21	29 10	5 38	19 5	18 59	2 30		n.a.
F 8	16 55	20 56	1 27	23 40	1 24	15 45	1 26	16 49	0 51	6 34	1 14	6 42	2 14	23 18	0 10	13 14	1 21	29 10	5 38	19 5	18 59	2 33		n.a.
S 9	16 38	21 6	2 31	23 33	1 30	15 20	1 25	17 0	0 50	6 28	1 14	6 44	2 13	23 18	0 10	13 13	1 21	29 10	5 38	19 4	18 58	2 35		n.a.
S 10	16 20	20 3	3 28	23 25	1 36	14 55	1 25	17 10	0 49	6 23	1 14	6 46	2 13	23 18	0 10	13 12	1 21	29 10	5 38	19 3	18 57	2 37		n.a.
M11	16 2	17 45	4 15	23 15	1 41	14 29	1 25	17 21	0 48	6 18	1 14	6 48	2 13	23 19	0 10	13 11	1 21	29 10	5 38	19 1	18 56	2 39		n.a.
T 12	15 44	14 17	4 47	23 3	1 45	14 3	1 24	17 31	0 48	6 12	1 13	6 50	2 13	23 19	0 10	13 11	1 21	29 10	5 39	18 58	18 55	2 42		n.a.
W13	15 25	9 52	5 0	22 50	1 50	13 36	1 23	17 41	0 47	6 7	1 13	6 52	2 12	23 19	0 10	13 10	1 21	29 10	5 39	18 55	18 55	2 44		n.a.
T 14	15 6	4 48	4 53	22 35	1 54	13 9	1 23	17 51	0 46	6 2	1 13	6 54	2 12	23 19	0 10	13 9	1 21	29 10	5 39	18 52	18 54	2 46		n.a.
F 15	14 47	0n34	4 26	22 19	1 58	12 42	1 22	18 1	0 45	5 56	1 13	6 56	2 12	23 19	0 10	13 8	1 21	29 10	5 39	18 50	18 53	2 48		n.a.
S 16	14 28	5 51	3 40	22 1	2 1	12 14	1 21	18 11	0 44	5 51	1 13	6 59	2 12	23 20	0 10	13 7	1 21	29 10	5 39	18 48	18 52	2 51		n.a.
S 17	14 8	10 43	2 41	21 42	2 4	11 47	1 20	18 20	0 43	5 45	1 13	7 1	2 11	23 20	0 10	13 7	1 21	29 10	5 40	18 47	18 51	2 53		n.a.
M18	13 49	14 51	1 33	21 21	2 6	11 18	1 20	18 30	0 42	5 40	1 13	7 3	2 11	23 20	0 10	13 6	1 21	29 11	5 40	18 46	18 51	2 55		n.a.
T 19	13 29	18 2	0 21	20 58	2 8	10 50	1 19	18 39	0 41	5 34	1 13	7 5	2 11	23 20	0 10	13 5	1 21	29 11	5 40	18 46	18 50	2 57		n.a.
W20	13 9	20 7	0s50	20 33	2 9	10 21	1 18	18 49	0 40	5 29	1 13	7 7	2 11	23 20	0 10	13 4	1 21	29 11	5 40	18 46	18 49	3 0		n.a.
T 21	12 48	21 2	1 58	20 7	2 10	9 52	1 17	18 58	0 39	5 23	1 12	7 10	2 10	23 21	0 10	13 3	1 21	29 11	5 40	18 46	18 48	3 2		n.a.
F 22	12 28	20 47	2 57	19 39	2 11	9 23	1 15	19 7	0 38	5 17	1 12	7 12	2 10	23 21	0 10	13 3	1 21	29 11	5 40	18 45	18 47	3 4		n.a.
S 23	12 7	19 29	3 46	19 10	2 11	8 53	1 14	19 16	0 37	5 12	1 12	7 14	2 10	23 21	0 10	13 2	1 21	29 11	5 41	18 43	18 47	3 6		n.a.
S 24	11 46	17 14	4 24	18 38	2 11	8 23	1 13	19 25	0 36	5 6	1 12	7 17	2 10	23 21	0 10	13 1	1 21	29 11	5 41	18 41	18 46	3 9		n.a.
M25	11 25	14 14	4 49	18 5	2 10	7 53	1 12	19 33	0 35	5 1	1 12	7 19	2 10	23 21	0 10	13 0	1 21	29 11	5 41	18 38	18 45	3 11		n.a.
T 26	11 4	10 40	4 59	17 30	2 9	7 23	1 10	19 42	0 34	4 55	1 12	7 21	2 9	23 22	0 10	12 59	1 21	29 11	5 41	18 35	18 44	3 13		n.a.
W27	10 42	6 42	4 57	16 54	2 7	6 53	1 9	19 51	0 32	4 49	1 12	7 24	2 9	23 22	0 11	12 59	1 21	29 12	5 41	18 31	18 43	3 15		n.a.
T 28	10 21	2 31	4 41	16 16	2 4	6 22	1 7	19 59	0 31	4 44	1 12	7 26	2 9	23 22	0 11	12 58	1 21	29 12	5 42	18 28	18 43	3 17		n.a.
F 29	9s59	1s44	4s12	15s36	2s 1	5s52	1s 6	20s 7	0n30	4s38	1s12	7n28	2s 9	23s22	0s11	12s57	1s21	29s12	5s42	18s25	18s42	3s20		n.a.

Julian Day Number = 1558917.5, Delta T = 04h25m34s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°13'01, Lahiri = -10°06'01 Julian Calendar 1 Feb. 445 BCE == Greg. Calendar 27 Jan. 445 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

MARCH 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 13 53	5♓29'14	6♎36	25♒54	19♓ 7	1♐30	21♓25	24♈12	17♐57	29♒51	7♑54	21°R29	22♏42	28♍55	n.a.	S 1
S 2	10 17 49	6°28'13	18°25	27°48	20°21	2° 4	21°39	24°18	17°58	29°53	7°55	21♏21	22°38	29° 1	n.a.	S 2
M 3	10 21 46	7°27'09	0♏16	29°44	21°35	2°37	21°54	24°24	17°59	29°55	7°56	21°17	22°35	29° 8	n.a.	M 3
T 4	10 25 42	8°26'04	12°12	1♓41	22°49	3°11	22° 8	24°31	18° 1	29°57	7°57	21°15	22°32	29°15	n.a.	T 4
W 5	10 29 39	9°24'57	24°18	3°40	24° 3	3°44	22°22	24°37	18° 2	29°59	7°58	21°D15	22°29	29°21	n.a.	W 5
T 6	10 33 36	10°23'48	6♐38	5°39	25°17	4°17	22°36	24°43	18° 3	0♓ 2	7°59	21°R15	22°26	29°28	n.a.	T 6
F 7	10 37 32	11°22'37	19°19	7°40	26°31	4°50	22°50	24°50	18° 4	0° 4	8° 0	21°15	22°22	29°35	n.a.	F 7
S 8	10 41 29	12°21'24	2♑24	9°42	27°45	5°23	23° 4	24°56	18° 5	0° 6	8° 1	21°13	22°19	29°41	n.a.	S 8
S 9	10 45 25	13°20'10	15°57	11°46	28°59	5°56	23°19	25° 3	18° 6	0° 9	8° 2	21° 9	22°16	29°48	n.a.	S 9
M10	10 49 22	14°18'53	0♒ 0	13°50	0♈13	6°28	23°33	25°10	18° 7	0°11	8° 3	21° 3	22°13	29°55	n.a.	M10
T 11	10 53 18	15°17'35	14°32	15°55	1°27	7° 1	23°47	25°16	18° 8	0°13	8° 4	20°55	22°10	0♎ 2	n.a.	T 11
W12	10 57 15	16°16'15	29°28	18° 1	2°40	7°33	24° 1	25°23	18° 9	0°15	8° 5	20°45	22° 7	0° 8	n.a.	W12
T 13	11 1 11	17°14'53	14♓39	20° 7	3°54	8° 5	24°16	25°30	18°10	0°18	8° 6	20°36	22° 3	0°15	n.a.	T 13
F 14	11 5 8	18°13'29	29°55	22°14	5° 8	8°37	24°30	25°37	18°11	0°20	8° 7	20°27	22° 0	0°22	n.a.	F 14
S 15	11 9 4	19°12'02	15♈ 5	24°20	6°22	9° 9	24°44	25°43	18°11	0°22	8° 8	20°21	21°57	0°28	n.a.	S 15
S 16	11 13 1	20°10'34	0♉ 0	26°27	7°35	9°40	24°58	25°50	18°12	0°24	8° 8	20°17	21°54	0°35	n.a.	S 16
M17	11 16 58	21° 9'03	14°33	28°33	8°49	10°12	25°13	25°57	18°13	0°26	8° 9	20°D15	21°51	0°42	n.a.	M17
T 18	11 20 54	22° 7'31	28°40	0♈38	10° 3	10°43	25°27	26° 4	18°13	0°28	8°10	20°15	21°47	0°48	n.a.	T 18
W19	11 24 51	23° 5'56	12♊21	2°42	11°16	11°14	25°41	26°11	18°14	0°30	8°11	20°16	21°44	0°55	n.a.	W19
T 20	11 28 47	24° 4'19	25°38	4°44	12°30	11°45	25°56	26°18	18°14	0°33	8°11	20°R16	21°41	1° 2	n.a.	T 20
F 21	11 32 44	25° 2'39	8♋34	6°45	13°44	12°16	26°10	26°26	18°14	0°35	8°12	20°15	21°38	1° 8	n.a.	F 21
S 22	11 36 40	26° 0'57	21°12	8°44	14°57	12°47	26°24	26°33	18°15	0°37	8°13	20°12	21°35	1°15	n.a.	S 22
S 23	11 40 37	26°59'13	3♌35	10°40	16°11	13°17	26°38	26°40	18°15	0°39	8°13	20° 7	21°32	1°22	n.a.	S 23
M24	11 44 33	27°57'27	15°48	12°34	17°24	13°47	26°53	26°47	18°15	0°41	8°14	20° 0	21°28	1°29	n.a.	M24
T 25	11 48 30	28°55'39	27°52	14°25	18°37	14°17	27° 7	26°54	18°16	0°43	8°14	19°51	21°25	1°35	n.a.	T 25
W26	11 52 27	29°53'49	9♍49	16°12	19°51	14°47	27°21	27° 2	18°16	0°45	8°15	19°41	21°22	1°42	n.a.	W26
T 27	11 56 23	0♈51'57	21°43	17°57	21° 4	15°17	27°36	27° 9	18°16	0°47	8°15	19°32	21°19	1°49	n.a.	T 27
F 28	12 0 20	1°50'03	3♎34	19°37	22°18	15°46	27°50	27°17	18°R16	0°49	8°16	19°24	21°16	1°55	n.a.	F 28
S 29	12 4 16	2°48'07	15°24	21°14	23°31	16°15	28° 4	27°24	18°16	0°51	8°16	19°17	21°13	2° 2	n.a.	S 29
S 30	12 8 13	3°46'10	27°15	22°48	24°44	16°44	28°18	27°31	18°16	0°53	8°17	19°12	21° 9	2° 9	n.a.	S 30
M31	12 12 9	4♈44'11	9♏10	24♈17	25♈57	17♐13	28♓33	27♈39	18♐16	0♓55	8♑17	19♏10	21♏ 6	2♎15	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s37	5s54	3s33	14s54	1s58	5s21	1s 4	20s15	0n29	4s32	1s12	7n31	2s 8	23s22	0s11	12s56	1s21	29s12	5s42	18s22	18s41	3s22		n.a.
S 2	9 15	9 51	2 45	14 10	1 54	4 50	1 3	20 23	0 28	4 27	1 12	7 33	2 8	23 22	0 11	12 55	1 21	29 12	5 42	18 20	18 40	3 24		n.a.
M 3	8 53	13 24	1 49	13 25	1 50	4 19	1 1	20 31	0 26	4 21	1 12	7 36	2 8	23 22	0 11	12 55	1 21	29 12	5 42	18 19	18 39	3 26		n.a.
T 4	8 31	16 27	0 48	12 38	1 45	3 47	0 59	20 39	0 25	4 15	1 11	7 38	2 8	23 23	0 11	12 54	1 21	29 12	5 43	18 18	18 38	3 28		n.a.
W 5	8 8	18 50	0n16	11 50	1 39	3 16	0 57	20 47	0 24	4 10	1 11	7 41	2 8	23 23	0 11	12 53	1 21	29 12	5 43	18 18	18 38	3 31		n.a.
T 6	7 46	20 22	1 21	11 0	1 33	2 45	0 56	20 54	0 22	4 4	1 11	7 43	2 7	23 23	0 11	12 52	1 21	29 13	5 43	18 18	18 37	3 33		n.a.
F 7	7 23	20 56	2 23	10 8	1 26	2 13	0 54	21 2	0 21	3 58	1 11	7 46	2 7	23 23	0 11	12 52	1 21	29 13	5 43	18 18	18 36	3 35		n.a.
S 8	7 1	20 23	3 21	9 15	1 19	1 42	0 52	21 9	0 20	3 52	1 11	7 49	2 7	23 23	0 11	12 51	1 21	29 13	5 44	18 18	18 35	3 37		n.a.
S 9	6 38	18 40	4 8	8 20	1 11	1 10	0 50	21 16	0 18	3 47	1 11	7 51	2 7	23 23	0 11	12 50	1 21	29 13	5 44	18 17	18 34	3 39		n.a.
M10	6 15	15 48	4 43	7 24	1 3	0 39	0 48	21 23	0 17	3 41	1 11	7 54	2 7	23 23	0 11	12 49	1 21	29 13	5 44	18 15	18 33	3 42		n.a.
T 11	5 52	11 52	5 1	6 27	0 54	0 7	0 46	21 30	0 15	3 35	1 11	7 56	2 6	23 23	0 11	12 48	1 22	29 13	5 44	18 13	18 33	3 44		n.a.
W12	5 29	7 8	5 0	5 29	0 45	0n25	0 44	21 37	0 14	3 29	1 11	7 59	2 6	23 23	0 11	12 48	1 22	29 14	5 44	18 10	18 32	3 46		n.a.
T 13	5 6	1 52	4 37	4 30	0 35	0 56	0 41	21 44	0 12	3 24	1 11	8 2	2 6	23 24	0 11	12 47	1 22	29 14	5 45	18 8	18 31	3 48		n.a.
F 14	4 43	3n33	3 55	3 31	0 25	1 28	0 39	21 51	0 11	3 18	1 11	8 4	2 6	23 24	0 11	12 46	1 22	29 14	5 45	18 5	18 30	3 50		n.a.
S 15	4 20	8 43	2 56	2 30	0 15	2 0	0 37	21 57	0 9	3 12	1 11	8 7	2 6	23 24	0 11	12 45	1 22	29 14	5 45	18 4	18 29	3 53		n.a.
S 16	3 56	13 16	1 46	1 30	0 4	2 31	0 35	22 4	0 8	3 6	1 11	8 10	2 6	23 24	0 11	12 45	1 22	29 14	5 45	18 3	18 29	3 55		n.a.
M17	3 33	16 54	0 30	0 29	0n 7	3 3	0 32	22 10	0 6	3 0	1 11	8 12	2 5	23 24	0 11	12 44	1 22	29 14	5 46	18 2	18 28	3 57		n.a.
T 18	3 10	19 23	0s45	0n32	0 18	3 34	0 30	22 16	0 4	2 55	1 11	8 15	2 5	23 24	0 11	12 43	1 22	29 15	5 46	18 2	18 27	3 59		n.a.
W19	2 46	20 39	1 56	1 32	0 29	4 5	0 28	22 22	0 3	2 49	1 11	8 18	2 5	23 24	0 11	12 42	1 22	29 15	5 46	18 2	18 26	4 1		n.a.
T 20	2 23	20 43	2 58	2 31	0 40	4 37	0 25	22 28	0 1	2 43	1 11	8 21	2 5	23 24	0 11	12 42	1 22	29 15	5 46	18 3	18 25	4 4		n.a.
F 21	2 0	19 39	3 49	3 30	0 51	5 8	0 23	22 34	0s 1	2 37	1 11	8 23	2 5	23 24	0 11	12 41	1 22	29 15	5 46	18 2	18 24	4 6		n.a.
S 22	1 36	17 38	4 28	4 27	1 2	5 39	0 20	22 40	0 3	2 32	1 11	8 26	2 5	23 24	0 11	12 40	1 22	29 15	5 47	18 1	18 24	4 8		n.a.
S 23	1 13	14 51	4 54	5 24	1 13	6 10	0 18	22 46	0 5	2 26	1 11	8 29	2 4	23 24	0 11	12 39	1 22	29 16	5 47	18 0	18 23	4 10		n.a.
M24	0 49	11 27	5 5	6 18	1 23	6 41	0 16	22 51	0 7	2 20	1 11	8 32	2 4	23 24	0 11	12 39	1 22	29 16	5 47	17 58	18 22	4 12		n.a.
T 25	0 26	7 38	5 3	7 11	1 34	7 11	0 13	22 57	0 8	2 14	1 11	8 34	2 4	23 24	0 11	12 38	1 22	29 16	5 47	17 56	18 21	4 14		n.a.
W26	0 3	3 33	4 48	8 2	1 43	7 42	0 10	23 2	0 10	2 9	1 11	8 37	2 4	23 24	0 11	12 37	1 22	29 16	5 48	17 53	18 20	4 17		n.a.
T 27	0n21	0s39	4 20	8 51	1 52	8 12	0 8	23 8	0 12	2 3	1 11	8 40	2 4	23 24	0 11	12 37	1 22	29 16	5 48	17 50	18 19	4 19		n.a.
F 28	0 44	4 48	3 41	9 38	2 1	8 42	0 5	23 13	0 14	1 57	1 11	8 43	2 4	23 24	0 11	12 36	1 22	29 17	5 48	17 48	18 18	4 21		n.a.
S 29	1 8	8 47	2 52	10 23	2 9	9 12	0 3	23 18	0 16	1 51	1 11	8 46	2 4	23 24	0 11	12 35	1 22	29 17	5 48	17 46	18 18	4 23		n.a.
S 30	1 31	12 25	1 56	11 5	2 16	9 42	0 0	23 23	0 19	1 45	1 11	8 48	2 3	23 24	0 11	12 35	1 22	29 17	5 49	17 45	18 17	4 25		n.a.
M31	1n54	15s35	0s54	11n44	2n23	10n12	0n 3	23s28	0s21	1s40	1s11	8n51	2s 3	23s24	0s11	12s34	1s22	29s17	5s49	17s44	18s16	4s27		n.a.

Julian Day Number = 1558946.5, Delta T = 04h25m33s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'57, Lahiri = -10°05'57 Julian Calendar 1 March 445 BCE == Greg. Calendar 25 Feb. 445 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

APRIL 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 16 6	5♈42'10	21♏11	25♈42	27♈11	17♐41	28♓47	27♈46	18°R16	0♓57	8♑18	19°D 9	21♏ 3	2♎22	n.a.	T 1
W 2	12 20 2	6°40'08	3♐21	27° 3	28°24	18°10	29° 1	27°54	18♐15	0°59	8°18	19♏10	21° 0	2°29	n.a.	W 2
T 3	12 23 59	7°38'04	15°44	28°20	29°37	18°38	29°15	28° 2	18°15	1° 1	8°18	19°12	20°57	2°35	n.a.	T 3
F 4	12 27 55	8°35'59	28°25	29°32	0♉50	19° 5	29°30	28° 9	18°15	1° 3	8°18	19°13	20°53	2°42	n.a.	F 4
S 5	12 31 52	9°33'53	11♑28	0♉40	2° 3	19°33	29°44	28°17	18°14	1° 5	8°19	19°R13	20°50	2°49	n.a.	S 5
S 6	12 35 49	10°31'45	24°55	1°44	3°16	20° 0	29°58	28°24	18°14	1° 7	8°19	19°13	20°47	2°55	n.a.	S 6
M 7	12 39 45	11°29'36	8♒50	2°43	4°29	20°27	0♈12	28°32	18°14	1° 8	8°19	19°10	20°44	3° 2	n.a.	M 7
T 8	12 43 42	12°27'25	23°11	3°38	5°42	20°53	0°26	28°40	18°13	1°10	8°19	19° 6	20°41	3° 9	n.a.	T 8
W 9	12 47 38	13°25'14	7♓57	4°28	6°55	21°20	0°40	28°48	18°13	1°12	8°20	19° 1	20°38	3°16	n.a.	W 9
T 10	12 51 35	14°23'00	23° 0	5°13	8° 8	21°46	0°54	28°55	18°12	1°14	8°20	18°56	20°34	3°22	n.a.	T 10
F 11	12 55 31	15°20'46	8♈13	5°54	9°21	22°12	1° 8	29° 3	18°11	1°16	8°20	18°52	20°31	3°29	n.a.	F 11
S 12	12 59 28	16°18'30	23°25	6°30	10°34	22°37	1°22	29°11	18°11	1°17	8°20	18°48	20°28	3°36	n.a.	S 12
S 13	13 3 24	17°16'12	8♉26	7° 1	11°46	23° 2	1°36	29°19	18°10	1°19	8°20	18°47	20°25	3°42	n.a.	S 13
M14	13 7 21	18°13'53	23° 8	7°27	12°59	23°27	1°50	29°26	18° 9	1°21	8°R20	18°D46	20°22	3°49	n.a.	M14
T 15	13 11 18	19°11'33	7♊26	7°48	14°12	23°51	2° 4	29°34	18° 8	1°22	8°20	18°47	20°18	3°56	n.a.	T 15
W16	13 15 14	20° 9'11	21°17	8° 4	15°25	24°15	2°18	29°42	18° 7	1°24	8°20	18°49	20°15	4° 2	n.a.	W16
T 17	13 19 11	21° 6'47	4♋42	8°16	16°37	24°39	2°32	29°50	18° 6	1°26	8°20	18°50	20°12	4° 9	n.a.	T 17
F 18	13 23 7	22° 4'21	17°42	8°22	17°50	25° 2	2°46	29°58	18° 5	1°27	8°20	18°R51	20° 9	4°16	n.a.	F 18
S 19	13 27 4	23° 1'54	0♌20	8°R24	19° 3	25°25	3° 0	0♉ 6	18° 4	1°29	8°20	18°51	20° 6	4°22	n.a.	S 19
S 20	13 31 0	23°59'26	12°42	8°21	20°15	25°47	3°14	0°13	18° 3	1°30	8°19	18°49	20° 3	4°29	n.a.	S 20
M21	13 34 57	24°56'56	24°50	8°13	21°28	26° 9	3°27	0°21	18° 2	1°32	8°19	18°47	19°59	4°36	n.a.	M21
T 22	13 38 53	25°54'24	6♍49	8° 2	22°40	26°31	3°41	0°29	18° 1	1°33	8°19	18°44	19°56	4°42	n.a.	T 22
W23	13 42 50	26°51'51	18°43	7°46	23°53	26°53	3°55	0°37	18° 0	1°35	8°19	18°40	19°53	4°49	n.a.	W23
T 24	13 46 47	27°49'17	0♎33	7°26	25° 5	27°13	4° 9	0°45	17°59	1°36	8°19	18°37	19°50	4°56	n.a.	T 24
F 25	13 50 43	28°46'41	12°23	7° 3	26°17	27°34	4°22	0°53	17°57	1°38	8°18	18°34	19°47	5° 3	n.a.	F 25
S 26	13 54 40	29°44'04	24°16	6°37	27°30	27°54	4°36	1° 1	17°56	1°39	8°18	18°32	19°44	5° 9	n.a.	S 26
S 27	13 58 36	0♉41'26	6♏12	6° 8	28°42	28°14	4°49	1° 9	17°55	1°41	8°18	18°30	19°40	5°16	n.a.	S 27
M28	14 2 33	1°38'48	18°15	5°37	29°54	28°33	5° 3	1°17	17°53	1°42	8°17	18°D30	19°37	5°23	n.a.	M28
T 29	14 6 29	2°36'08	0♐26	5° 5	1♊ 6	28°51	5°16	1°25	17°52	1°43	8°17	18°30	19°34	5°29	n.a.	T 29
W30	14 10 26	3♉33'27	12♐48	4♉32	2♊18	29♐ 9	5♈30	1♉32	17♐51	1♓45	8♑17	18♏31	19♏31	5♎36	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n18	18s 7	0n11	12n22	2n29	10n41	0n 5	23s33	0s23	1s34	1s11	8n54	2s 3	23s24	0s11	12s33	1s22	29s17	5s49	17s44	18s15	4s30		n.a.
W 2	2 41	19 51	1 16	12 56	2 34	11 10	0 8	23 38	0 25	1 28	1 11	8 57	2 3	23 24	0 11	12 32	1 22	29 18	5 49	17 44	18 14	4 32		n.a.
T 3	3 4	20 40	2 19	13 28	2 38	11 39	0 11	23 42	0 27	1 23	1 11	9 0	2 3	23 24	0 11	12 32	1 22	29 18	5 49	17 45	18 13	4 34		n.a.
F 4	3 27	20 27	3 17	13 58	2 41	12 7	0 13	23 47	0 30	1 17	1 11	9 3	2 3	23 24	0 11	12 31	1 22	29 18	5 50	17 45	18 13	4 36		n.a.
S 5	3 50	19 9	4 6	14 24	2 44	12 35	0 16	23 52	0 32	1 11	1 11	9 5	2 3	23 24	0 11	12 31	1 22	29 18	5 50	17 45	18 12	4 38		n.a.
S 6	4 13	16 46	4 44	14 49	2 45	13 3	0 19	23 56	0 34	1 5	1 11	9 8	2 3	23 24	0 11	12 30	1 22	29 18	5 50	17 45	18 11	4 40		n.a.
M 7	4 36	13 21	5 6	15 10	2 46	13 31	0 21	24 0	0 37	1 0	1 11	9 11	2 3	23 24	0 11	12 29	1 22	29 19	5 50	17 44	18 10	4 43		n.a.
T 8	4 59	9 5	5 10	15 29	2 46	13 58	0 24	24 5	0 39	0 54	1 11	9 14	2 2	23 24	0 11	12 29	1 22	29 19	5 51	17 43	18 9	4 45		n.a.
W 9	5 22	4 9	4 55	15 45	2 44	14 25	0 27	24 9	0 42	0 48	1 11	9 17	2 2	23 24	0 11	12 28	1 22	29 19	5 51	17 42	18 8	4 47		n.a.
T 10	5 44	1n 8	4 18	15 58	2 42	14 52	0 29	24 13	0 44	0 43	1 11	9 20	2 2	23 24	0 11	12 27	1 22	29 19	5 51	17 41	18 7	4 49		n.a.
F 11	6 7	6 25	3 23	16 9	2 39	15 18	0 32	24 18	0 47	0 37	1 11	9 23	2 2	23 24	0 11	12 27	1 22	29 20	5 51	17 39	18 7	4 51		n.a.
S 12	6 30	11 17	2 14	16 17	2 34	15 44	0 35	24 22	0 49	0 31	1 11	9 25	2 2	23 24	0 11	12 26	1 22	29 20	5 52	17 38	18 6	4 53		n.a.
S 13	6 52	15 23	0 56	16 22	2 29	16 9	0 37	24 26	0 52	0 26	1 11	9 28	2 2	23 24	0 11	12 26	1 23	29 20	5 52	17 38	18 5	4 55		n.a.
M14	7 14	18 25	0s24	16 24	2 22	16 34	0 40	24 30	0 55	0 20	1 11	9 31	2 2	23 24	0 11	12 25	1 23	29 20	5 52	17 38	18 4	4 58		n.a.
T 15	7 36	20 11	1 41	16 24	2 15	16 59	0 43	24 34	0 58	0 15	1 11	9 34	2 2	23 24	0 11	12 25	1 23	29 21	5 52	17 38	18 3	5 0		n.a.
W16	7 58	20 39	2 49	16 22	2 6	17 23	0 45	24 38	1 0	0 9	1 11	9 37	2 2	23 24	0 11	12 24	1 23	29 21	5 53	17 38	18 2	5 2		n.a.
T 17	8 20	19 54	3 46	16 16	1 56	17 47	0 48	24 42	1 3	0 3	1 11	9 40	2 2	23 24	0 11	12 23	1 23	29 21	5 53	17 39	18 1	5 4		n.a.
F 18	8 42	18 7	4 29	16 8	1 45	18 10	0 50	24 45	1 6	0n 2	1 11	9 43	2 2	23 24	0 11	12 23	1 23	29 21	5 53	17 39	18 1	5 6		n.a.
S 19	9 4	15 29	4 58	15 58	1 34	18 33	0 53	24 49	1 9	0 8	1 11	9 45	2 1	23 24	0 11	12 22	1 23	29 21	5 53	17 39	18 0	5 8		n.a.
S 20	9 25	12 13	5 12	15 45	1 21	18 55	0 55	24 53	1 12	0 13	1 11	9 48	2 1	23 24	0 11	12 22	1 23	29 22	5 54	17 39	17 59	5 10		n.a.
M21	9 47	8 30	5 12	15 29	1 7	19 17	0 58	24 57	1 15	0 19	1 11	9 51	2 1	23 24	0 11	12 21	1 23	29 22	5 54	17 38	17 58	5 12		n.a.
T 22	10 8	4 30	4 59	15 12	0 53	19 39	1 0	25 0	1 18	0 24	1 11	9 54	2 1	23 23	0 12	12 21	1 23	29 22	5 54	17 37	17 57	5 15		n.a.
W23	10 29	0 21	4 32	14 52	0 38	20 0	1 3	25 4	1 22	0 30	1 11	9 57	2 1	23 23	0 12	12 20	1 23	29 22	5 54	17 36	17 56	5 17		n.a.
T 24	10 50	3s48	3 54	14 31	0 22	20 20	1 5	25 8	1 25	0 35	1 11	10 0	2 1	23 23	0 12	12 20	1 23	29 23	5 54	17 35	17 55	5 19		n.a.
F 25	11 11	7 48	3 6	14 8	0 6	20 40	1 8	25 12	1 28	0 40	1 11	10 2	2 1	23 23	0 12	12 19	1 23	29 23	5 55	17 34	17 54	5 21		n.a.
S 26	11 31	11 32	2 10	13 43	0s11	20 59	1 10	25 15	1 31	0 46	1 11	10 5	2 1	23 23	0 12	12 19	1 23	29 23	5 55	17 34	17 54	5 23		n.a.
S 27	11 52	14 49	1 7	13 18	0 28	21 18	1 12	25 19	1 35	0 51	1 11	10 8	2 1	23 23	0 12	12 18	1 23	29 23	5 55	17 33	17 53	5 25		n.a.
M28	12 12	17 30	0 1	12 51	0 45	21 36	1 15	25 23	1 38	0 57	1 11	10 11	2 1	23 23	0 12	12 18	1 23	29 24	5 55	17 33	17 52	5 27		n.a.
T 29	12 32	19 26	1n 6	12 24	1 3	21 54	1 17	25 26	1 42	1 2	1 11	10 14	2 1	23 23	0 12	12 18	1 23	29 24	5 56	17 33	17 51	5 29		n.a.
W30	12n52	20s28	2n10	11n57	1s20	22n11	1n19	25s30	1s45	1n 7	1s11	10n16	2s 1	23s23	0s12	12s17	1s23	29s24	5s56	17s34	17s50	5s31		n.a.

Julian Day Number = 1558977.5, Delta T = 04h25m32s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'53, Lahiri = -10°05'52 Julian Calendar 1 Apr. 445 BCE == Greg. Calendar 27 March 445 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

MAY 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 14 22	4♉30'46	25♐22	3°R58	3♊30	29♐27	5♈43	1♉40	17°R49	1♓46	8°R16	18♏32	19♏28	5♎43	n.a.	T 1
F 2	14 18 19	5°28'04	8♑11	3♉25	4°42	29°44	5°56	1°48	17♐47	1°47	8♑16	18°33	19°24	5°49	n.a.	F 2
S 3	14 22 16	6°25'21	21°18	2°52	5°54	0♑ 1	6° 9	1°56	17°46	1°48	8°15	18°34	19°21	5°56	n.a.	S 3
S 4	14 26 12	7°22'38	4♒45	2°20	7° 6	0°17	6°23	2° 4	17°44	1°49	8°15	18°R35	19°18	6° 3	n.a.	S 4
M 5	14 30 9	8°19'54	18°33	1°51	8°18	0°33	6°36	2°12	17°43	1°51	8°14	18°35	19°15	6° 9	n.a.	M 5
T 6	14 34 5	9°17'10	2♓43	1°23	9°30	0°48	6°49	2°20	17°41	1°52	8°14	18°34	19°12	6°16	n.a.	T 6
W 7	14 38 2	10°14'25	17°12	0°59	10°42	1° 2	7° 2	2°28	17°39	1°53	8°13	18°33	19° 9	6°23	n.a.	W 7
T 8	14 41 58	11°11'39	1♈57	0°38	11°54	1°16	7°15	2°35	17°37	1°54	8°13	18°32	19° 5	6°29	n.a.	T 8
F 9	14 45 55	12° 8'53	16°52	0°20	13° 6	1°29	7°28	2°43	17°36	1°55	8°12	18°32	19° 2	6°36	n.a.	F 9
S 10	14 49 51	13° 6'07	1♉50	0° 6	14°17	1°42	7°41	2°51	17°34	1°56	8°11	18°31	18°59	6°43	n.a.	S 10
S 11	14 53 48	14° 3'20	16°42	29♈56	15°29	1°53	7°54	2°59	17°32	1°57	8°11	18°D31	18°56	6°49	n.a.	S 11
M12	14 57 45	15° 0'33	1♊21	29°50	16°41	2° 5	8° 6	3° 7	17°30	1°58	8°10	18°31	18°53	6°56	n.a.	M12
T 13	15 1 41	15°57'45	15°40	29°D49	17°52	2°15	8°19	3°15	17°28	1°59	8° 9	18°31	18°50	7° 3	n.a.	T 13
W14	15 5 38	16°54'56	29°35	29°52	19° 4	2°25	8°32	3°22	17°26	2° 0	8° 9	18°31	18°46	7° 9	n.a.	W14
T 15	15 9 34	17°52'06	13♋ 5	0♉ 0	20°15	2°35	8°44	3°30	17°24	2° 1	8° 8	18°32	18°43	7°16	n.a.	T 15
F 16	15 13 31	18°49'16	26°11	0°13	21°27	2°43	8°57	3°38	17°22	2° 1	8° 7	18°R32	18°40	7°23	n.a.	F 16
S 17	15 17 27	19°46'25	8♌53	0°30	22°38	2°51	9° 9	3°46	17°20	2° 2	8° 6	18°32	18°37	7°30	n.a.	S 17
S 18	15 21 24	20°43'33	21°17	0°51	23°49	2°59	9°22	3°53	17°18	2° 3	8° 5	18°D32	18°34	7°36	n.a.	S 18
M19	15 25 20	21°40'41	3♍26	1°18	25° 0	3° 5	9°34	4° 1	17°16	2° 4	8° 5	18°32	18°30	7°43	n.a.	M19
T 20	15 29 17	22°37'48	15°24	1°48	26°12	3°11	9°46	4° 9	17°14	2° 4	8° 4	18°32	18°27	7°50	n.a.	T 20
W21	15 33 14	23°34'54	27°16	2°23	27°23	3°16	9°58	4°16	17°12	2° 5	8° 3	18°32	18°24	7°56	n.a.	W21
T 22	15 37 10	24°32'00	9♎ 6	3° 3	28°34	3°21	10°10	4°24	17°10	2° 6	8° 2	18°33	18°21	8° 3	n.a.	T 22
F 23	15 41 7	25°29'06	20°57	3°47	29°45	3°24	10°22	4°31	17° 7	2° 6	8° 1	18°34	18°18	8°10	n.a.	F 23
S 24	15 45 3	26°26'11	2♏54	4°35	0♋56	3°27	10°34	4°39	17° 5	2° 7	8° 0	18°34	18°15	8°16	n.a.	S 24
S 25	15 49 0	27°23'16	14°59	5°28	2° 7	3°30	10°46	4°46	17° 3	2° 8	7°59	18°R34	18°11	8°23	n.a.	S 25
M26	15 52 56	28°20'21	27°13	6°24	3°18	3°31	10°58	4°54	17° 1	2° 8	7°58	18°34	18° 8	8°30	n.a.	M26
T 27	15 56 53	29°17'26	9♐39	7°25	4°28	3°R32	11°10	5° 1	16°59	2° 9	7°57	18°34	18° 5	8°36	n.a.	T 27
W28	16 0 49	0♊14'30	22°18	8°30	5°39	3°32	11°21	5° 9	16°56	2° 9	7°56	18°33	18° 2	8°43	n.a.	W28
T 29	16 4 46	1°11'35	5♑11	9°38	6°50	3°31	11°33	5°16	16°54	2° 9	7°55	18°31	17°59	8°50	n.a.	T 29
F 30	16 8 43	2° 8'40	18°17	10°51	8° 0	3°30	11°44	5°24	16°52	2°10	7°54	18°29	17°55	8°56	n.a.	F 30
S 31	16 12 39	3♊ 5'45	1♒38	12♉ 7	9♋11	3♑27	11♈55	5♉31	16♐49	2♓10	7♑53	18♏28	17♏52	9♎ 3	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	13n11	20s30	3n10	11n30	1s36	22n27	1n21	25s34	1s49	1n13	1s11	10n19	2s 1	23s22	0s12	12s17	1s23	29s24	5s56	17s34	17s49	5s34			n.a.
F 2	13 31	19 28	4 2	11 3	1 52	22 43	1 23	25 37	1 53	1 18	1 11	10 22	2 1	23 22	0 12	12 16	1 23	29 25	5 56	17 34	17 48	5 36			n.a.
S 3	13 50	17 24	4 42	10 37	2 8	22 58	1 25	25 41	1 56	1 23	1 12	10 25	2 1	23 22	0 12	12 16	1 23	29 25	5 57	17 34	17 47	5 38			n.a.
S 4	14 9	14 20	5 8	10 13	2 23	23 13	1 27	25 45	2 0	1 28	1 12	10 28	2 1	23 22	0 12	12 15	1 23	29 25	5 57	17 35	17 47	5 40			n.a.
M 5	14 28	10 26	5 17	9 49	2 36	23 26	1 29	25 49	2 4	1 33	1 12	10 30	2 1	23 22	0 12	12 15	1 24	29 25	5 57	17 35	17 46	5 42			n.a.
T 6	14 46	5 52	5 7	9 28	2 49	23 40	1 31	25 53	2 8	1 39	1 12	10 33	2 1	23 22	0 12	12 15	1 24	29 26	5 57	17 34	17 45	5 44			n.a.
W 7	15 5	0 51	4 38	9 8	3 1	23 52	1 33	25 56	2 12	1 44	1 12	10 36	2 1	23 22	0 12	12 14	1 24	29 26	5 57	17 34	17 44	5 46			n.a.
T 8	15 23	4n18	3 51	8 51	3 12	24 4	1 35	26 0	2 16	1 49	1 12	10 39	2 1	23 22	0 12	12 14	1 24	29 26	5 58	17 34	17 43	5 48			n.a.
F 9	15 41	9 16	2 47	8 36	3 21	24 15	1 37	26 4	2 20	1 54	1 12	10 41	2 1	23 21	0 12	12 14	1 24	29 27	5 58	17 34	17 42	5 50			n.a.
S 10	15 58	13 41	1 31	8 23	3 30	24 26	1 38	26 8	2 24	1 59	1 12	10 44	2 1	23 21	0 12	12 13	1 24	29 27	5 58	17 34	17 41	5 52			n.a.
S 11	16 16	17 12	0 10	8 13	3 37	24 36	1 40	26 12	2 28	2 4	1 12	10 47	2 1	23 21	0 12	12 13	1 24	29 27	5 58	17 34	17 40	5 54			n.a.
M12	16 33	19 32	1s11	8 5	3 43	24 45	1 41	26 16	2 32	2 9	1 12	10 49	2 1	23 21	0 12	12 13	1 24	29 27	5 58	17 34	17 40	5 57			n.a.
T 13	16 50	20 34	2 25	8 0	3 47	24 54	1 43	26 20	2 37	2 14	1 12	10 52	2 1	23 21	0 12	12 13	1 24	29 28	5 59	17 34	17 39	5 59			n.a.
W14	17 6	20 16	3 29	7 58	3 51	25 1	1 44	26 24	2 41	2 19	1 12	10 55	2 1	23 21	0 12	12 12	1 24	29 28	5 59	17 34	17 38	6 1			n.a.
T 15	17 23	18 48	4 19	7 59	3 53	25 8	1 46	26 29	2 45	2 24	1 12	10 57	2 1	23 20	0 12	12 12	1 24	29 28	5 59	17 34	17 37	6 3			n.a.
F 16	17 39	16 23	4 54	8 2	3 54	25 15	1 47	26 33	2 50	2 29	1 13	11 0	2 1	23 20	0 12	12 12	1 24	29 28	5 59	17 34	17 36	6 5			n.a.
S 17	17 54	13 14	5 13	8 8	3 55	25 20	1 48	26 37	2 54	2 34	1 13	11 3	2 1	23 20	0 12	12 11	1 24	29 29	6 0	17 34	17 35	6 7			n.a.
S 18	18 10	9 35	5 17	8 16	3 54	25 25	1 49	26 41	2 59	2 39	1 13	11 5	2 1	23 20	0 12	12 11	1 24	29 29	6 0	17 34	17 34	6 9			n.a.
M19	18 25	5 37	5 7	8 27	3 52	25 29	1 50	26 46	3 3	2 43	1 13	11 8	2 1	23 20	0 12	12 11	1 24	29 29	6 0	17 34	17 33	6 11			n.a.
T 20	18 40	1 29	4 43	8 41	3 49	25 33	1 51	26 50	3 8	2 48	1 13	11 10	2 1	23 19	0 12	12 11	1 24	29 29	6 0	17 34	17 32	6 13			n.a.
W21	18 54	2s41	4 8	8 57	3 45	25 36	1 52	26 55	3 12	2 53	1 13	11 13	2 1	23 19	0 12	12 11	1 24	29 30	6 0	17 34	17 32	6 15			n.a.
T 22	19 9	6 44	3 22	9 15	3 40	25 38	1 53	26 59	3 17	2 58	1 13	11 16	2 1	23 19	0 12	12 10	1 24	29 30	6 1	17 34	17 31	6 17			n.a.
F 23	19 23	10 33	2 27	9 35	3 35	25 39	1 54	27 4	3 22	3 2	1 13	11 18	2 1	23 19	0 12	12 10	1 25	29 30	6 1	17 34	17 30	6 19			n.a.
S 24	19 36	13 59	1 26	9 57	3 28	25 39	1 55	27 9	3 27	3 7	1 13	11 21	2 1	23 19	0 12	12 10	1 25	29 30	6 1	17 34	17 29	6 21			n.a.
S 25	19 50	16 51	0 20	10 21	3 21	25 39	1 55	27 13	3 31	3 11	1 13	11 23	2 1	23 18	0 12	12 10	1 25	29 31	6 1	17 34	17 28	6 23			n.a.
M26	20 3	19 1	0n48	10 47	3 14	25 38	1 56	27 18	3 36	3 16	1 14	11 26	2 1	23 18	0 12	12 10	1 25	29 31	6 1	17 34	17 27	6 25			n.a.
T 27	20 15	20 18	1 54	11 15	3 5	25 36	1 56	27 23	3 41	3 21	1 14	11 28	2 1	23 18	0 12	12 10	1 25	29 31	6 1	17 34	17 26	6 27			n.a.
W28	20 28	20 35	2 56	11 44	2 56	25 34	1 57	27 28	3 46	3 25	1 14	11 31	2 1	23 18	0 12	12 10	1 25	29 31	6 2	17 34	17 25	6 30			n.a.
T 29	20 40	19 49	3 50	12 15	2 47	25 31	1 57	27 32	3 51	3 29	1 14	11 33	2 1	23 18	0 12	12 10	1 25	29 32	6 2	17 34	17 24	6 32			n.a.
F 30	20 51	17 58	4 33	12 47	2 37	25 27	1 57	27 37	3 55	3 34	1 14	11 35	2 1	23 17	0 12	12 9	1 25	29 32	6 2	17 33	17 24	6 34			n.a.
S 31	21n 3	15s 8	5n 3	13n21	2s26	25n22	1n57	27s42	4s 0	3n38	1s14	11n38	2s 1	23s17	0s12	12s 9	1s25	29s32	6s 2	17s33	17s23	6s36			n.a.

Julian Day Number = 1559007.5, Delta T = 04h25m31s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'49, Lahiri = -10°05'48 Julian Calendar 1 May 445 BCE == Greg. Calendar 26 Apr. 445 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

JUNE 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 16 36	4♊ 2'51	15♒14	13♉28	10♋21	3°R24	12♈ 7	5♉38	16°R47	2♓10	7°R52	18°R26	17♏49	9♎10	n.a.	S 1
M 2	16 20 32	4°59'56	29° 3	14°52	11°32	3♑21	12°18	5°46	16♐45	2°11	7♑51	18°D26	17°46	9°16	n.a.	M 2
T 3	16 24 29	5°57'03	13♓ 6	16°20	12°42	3°16	12°29	5°53	16°42	2°11	7°50	18♏26	17°43	9°23	n.a.	T 3
W 4	16 28 25	6°54'09	27°22	17°51	13°52	3°11	12°40	6° 0	16°40	2°11	7°49	18°26	17°40	9°30	n.a.	W 4
T 5	16 32 22	7°51'16	11♈47	19°26	15° 2	3° 4	12°51	6° 7	16°38	2°11	7°47	18°28	17°36	9°36	n.a.	T 5
F 6	16 36 19	8°48'24	26°18	21° 5	16°13	2°58	13° 2	6°14	16°35	2°12	7°46	18°29	17°33	9°43	n.a.	F 6
S 7	16 40 15	9°45'32	10♉52	22°47	17°23	2°50	13°12	6°21	16°33	2°12	7°45	18°30	17°30	9°50	n.a.	S 7
S 8	16 44 12	10°42'41	25°23	24°32	18°33	2°42	13°23	6°28	16°30	2°12	7°44	18°R30	17°27	9°56	n.a.	S 8
M 9	16 48 8	11°39'50	9♊45	26°21	19°42	2°33	13°33	6°35	16°28	2°12	7°43	18°29	17°24	10° 3	n.a.	M 9
T 10	16 52 5	12°37'00	23°52	28°12	20°52	2°23	13°44	6°42	16°26	2°R12	7°41	18°26	17°21	10°10	n.a.	T 10
W11	16 56 1	13°34'10	7♋42	0♊ 6	22° 2	2°13	13°54	6°49	16°23	2°12	7°40	18°23	17°17	10°16	n.a.	W11
T 12	16 59 58	14°31'20	21°10	2° 3	23°12	2° 2	14° 4	6°56	16°21	2°12	7°39	18°19	17°14	10°23	n.a.	T 12
F 13	17 3 54	15°28'30	4♌16	4° 3	24°21	1°51	14°14	7° 3	16°18	2°12	7°38	18°15	17°11	10°30	n.a.	F 13
S 14	17 7 51	16°25'41	17° 0	6° 4	25°31	1°39	14°24	7°10	16°16	2°12	7°36	18°12	17° 8	10°36	n.a.	S 14
S 15	17 11 48	17°22'52	29°25	8° 7	26°40	1°26	14°34	7°16	16°14	2°12	7°35	18° 9	17° 5	10°43	n.a.	S 15
M16	17 15 44	18°20'03	11♍35	10°12	27°50	1°13	14°44	7°23	16°11	2°11	7°34	18° 8	17° 1	10°50	n.a.	M16
T 17	17 19 41	19°17'15	23°33	12°17	28°59	1° 0	14°54	7°30	16° 9	2°11	7°33	18°D 8	16°58	10°56	n.a.	T 17
W18	17 23 37	20°14'27	5♎25	14°24	0♌ 8	0°46	15° 3	7°36	16° 6	2°11	7°31	18° 9	16°55	11° 3	n.a.	W18
T 19	17 27 34	21°11'39	17°16	16°31	1°17	0°31	15°13	7°43	16° 4	2°11	7°30	18°10	16°52	11°10	n.a.	T 19
F 20	17 31 30	22° 8'52	29° 9	18°39	2°26	0°17	15°22	7°49	16° 1	2°10	7°29	18°12	16°49	11°17	n.a.	F 20
S 21	17 35 27	23° 6'06	11♏10	20°46	3°35	0° 2	15°31	7°55	15°59	2°10	7°27	18°13	16°46	11°23	n.a.	S 21
S 22	17 39 23	24° 3'20	23°22	22°53	4°44	29♐46	15°40	8° 2	15°57	2°10	7°26	18°R13	16°42	11°30	n.a.	S 22
M23	17 43 20	25° 0'34	5♐49	25° 0	5°52	29°31	15°49	8° 8	15°54	2° 9	7°25	18°12	16°39	11°37	n.a.	M23
T 24	17 47 17	25°57'50	18°32	27° 6	7° 1	29°15	15°58	8°14	15°52	2° 9	7°23	18° 9	16°36	11°43	n.a.	T 24
W25	17 51 13	26°55'06	1♑31	29°11	8° 9	28°59	16° 6	8°20	15°50	2° 9	7°22	18° 4	16°33	11°50	n.a.	W25
T 26	17 55 10	27°52'24	14°47	1♋15	9°17	28°43	16°15	8°27	15°47	2° 8	7°21	17°58	16°30	11°57	n.a.	T 26
F 27	17 59 6	28°49'42	28°18	3°18	10°26	28°27	16°23	8°33	15°45	2° 8	7°19	17°52	16°27	12° 3	n.a.	F 27
S 28	18 3 3	29°47'01	12♒ 1	5°19	11°34	28°11	16°32	8°39	15°43	2° 7	7°18	17°45	16°23	12°10	n.a.	S 28
S 29	18 6 59	0♋44'21	25°55	7°20	12°42	27°55	16°40	8°44	15°40	2° 6	7°17	17°40	16°20	12°17	n.a.	S 29
M30	18 10 56	1♋41'43	9♓56	9♋18	13♌50	27♐39	16♈48	8♉50	15♐38	2♓ 6	7♑15	17♏36	16♏17	12♎23	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n14	11s27	5n16	13n56	2s15	25n17	1n57	27s47	4s 5	3n43	1s14	11n40	2s 1	23s17	0s12	12s 9	1s25	29s32	6s 2	17s32	17s22	6s38		n.a.
M 2	21 24	7 6	5 11	14 32	2 4	25 11	1 57	27 52	4 10	3 47	1 14	11 43	2 1	23 17	0 12	12 9	1 25	29 33	6 3	17 32	17 21	6 40		n.a.
T 3	21 35	2 18	4 47	15 8	1 53	25 4	1 57	27 57	4 15	3 51	1 15	11 45	2 1	23 16	0 12	12 9	1 25	29 33	6 3	17 32	17 20	6 42		n.a.
W 4	21 44	2n42	4 6	15 45	1 41	24 57	1 57	28 2	4 20	3 55	1 15	11 47	2 1	23 16	0 12	12 9	1 25	29 33	6 3	17 32	17 19	6 44		n.a.
T 5	21 54	7 36	3 9	16 23	1 29	24 49	1 56	28 7	4 24	4 0	1 15	11 50	2 1	23 16	0 12	12 9	1 25	29 33	6 3	17 33	17 18	6 46		n.a.
F 6	22 3	12 8	1 59	17 2	1 17	24 40	1 56	28 12	4 29	4 4	1 15	11 52	2 1	23 16	0 12	12 9	1 25	29 33	6 3	17 33	17 17	6 48		n.a.
S 7	22 12	15 56	0 42	17 40	1 4	24 30	1 55	28 17	4 34	4 8	1 15	11 54	2 1	23 16	0 12	12 9	1 25	29 34	6 3	17 33	17 16	6 50		n.a.
S 8	22 20	18 44	0s38	18 18	0 52	24 20	1 55	28 22	4 39	4 12	1 15	11 57	2 1	23 15	0 12	12 9	1 25	29 34	6 4	17 33	17 15	6 52		n.a.
M 9	22 28	20 19	1 54	18 56	0 40	24 9	1 54	28 27	4 43	4 16	1 15	11 59	2 1	23 15	0 12	12 9	1 25	29 34	6 4	17 33	17 15	6 54		n.a.
T 10	22 36	20 34	3 3	19 34	0 28	23 58	1 53	28 31	4 48	4 20	1 15	12 1	2 2	23 15	0 12	12 9	1 26	29 34	6 4	17 32	17 14	6 56		n.a.
W11	22 43	19 33	3 58	20 11	0 16	23 46	1 52	28 36	4 52	4 24	1 16	12 3	2 2	23 15	0 12	12 9	1 26	29 35	6 4	17 31	17 13	6 58		n.a.
T 12	22 50	17 27	4 39	20 46	0 4	23 33	1 51	28 41	4 57	4 27	1 16	12 5	2 2	23 14	0 12	12 9	1 26	29 35	6 4	17 30	17 12	7 0		n.a.
F 13	22 57	14 31	5 4	21 21	0n 7	23 20	1 50	28 45	5 1	4 31	1 16	12 8	2 2	23 14	0 12	12 9	1 26	29 35	6 4	17 29	17 11	7 2		n.a.
S 14	23 3	10 58	5 13	21 54	0 18	23 6	1 49	28 50	5 5	4 35	1 16	12 10	2 2	23 14	0 12	12 10	1 26	29 35	6 4	17 28	17 10	7 4		n.a.
S 15	23 8	7 1	5 8	22 25	0 29	22 51	1 48	28 54	5 10	4 39	1 16	12 12	2 2	23 14	0 12	12 10	1 26	29 35	6 5	17 27	17 9	7 6		n.a.
M16	23 14	2 53	4 48	22 54	0 39	22 36	1 46	28 58	5 14	4 42	1 16	12 14	2 2	23 13	0 12	12 10	1 26	29 36	6 5	17 27	17 8	7 8		n.a.
T 17	23 19	1s19	4 16	23 22	0 49	22 20	1 45	29 2	5 18	4 46	1 17	12 16	2 2	23 13	0 12	12 10	1 26	29 36	6 5	17 27	17 7	7 10		n.a.
W18	23 23	5 26	3 33	23 46	0 58	22 4	1 43	29 6	5 22	4 50	1 17	12 18	2 2	23 13	0 12	12 10	1 26	29 36	6 5	17 27	17 6	7 12		n.a.
T 19	23 27	9 20	2 41	24 9	1 6	21 47	1 41	29 10	5 25	4 53	1 17	12 20	2 2	23 13	0 12	12 10	1 26	29 36	6 5	17 28	17 5	7 14		n.a.
F 20	23 31	12 54	1 42	24 28	1 13	21 29	1 39	29 14	5 29	4 57	1 17	12 22	2 2	23 12	0 12	12 10	1 26	29 37	6 5	17 28	17 4	7 16		n.a.
S 21	23 34	15 59	0 38	24 45	1 20	21 11	1 38	29 17	5 33	5 0	1 17	12 24	2 2	23 12	0 12	12 10	1 26	29 37	6 5	17 29	17 4	7 18		n.a.
S 22	23 37	18 24	0n28	24 59	1 26	20 52	1 36	29 21	5 36	5 3	1 17	12 26	2 3	23 12	0 12	12 11	1 26	29 37	6 5	17 29	17 3	7 20		n.a.
M23	23 39	20 0	1 34	25 11	1 32	20 33	1 33	29 24	5 39	5 7	1 18	12 28	2 3	23 12	0 12	12 11	1 26	29 37	6 6	17 28	17 2	7 22		n.a.
T 24	23 41	20 38	2 37	25 19	1 36	20 14	1 31	29 27	5 42	5 10	1 18	12 30	2 3	23 11	0 12	12 11	1 26	29 37	6 6	17 27	17 1	7 24		n.a.
W25	23 43	20 11	3 34	25 25	1 40	19 53	1 29	29 30	5 45	5 13	1 18	12 32	2 3	23 11	0 12	12 11	1 26	29 37	6 6	17 26	17 0	7 26		n.a.
T 26	23 44	18 37	4 19	25 28	1 44	19 33	1 26	29 32	5 48	5 16	1 18	12 34	2 3	23 11	0 12	12 11	1 26	29 38	6 6	17 24	16 59	7 28		n.a.
F 27	23 45	16 0	4 52	25 28	1 46	19 12	1 24	29 35	5 51	5 19	1 18	12 35	2 3	23 11	0 12	12 12	1 26	29 38	6 6	17 22	16 58	7 30		n.a.
S 28	23 45	12 29	5 8	25 26	1 48	18 50	1 21	29 37	5 53	5 22	1 18	12 37	2 3	23 10	0 12	12 12	1 27	29 38	6 6	17 21	16 57	7 32		n.a.
S 29	23 45	8 15	5 6	25 21	1 49	18 28	1 19	29 39	5 55	5 25	1 19	12 39	2 3	23 10	0 12	12 12	1 27	29 38	6 6	17 19	16 56	7 34		n.a.
M30	23n44	3s32	4n46	25n14	1n50	18n 6	1n16	29s41	5s57	5n28	1s19	12n41	2s 3	23s10	0s12	12s12	1s27	29s38	6s 6	17s18	16s55	7s36		n.a.

Julian Day Number = 1559038.5, Delta T = 04h25m29s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'45, Lahiri = -10°05'44 Julian Calendar 1 June 445 BCE == Greg. Calendar 27 May 445 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

JULY 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 14 52	2♋39'06	24♓ 2	11♋16	14♌57	27°R24	16♈56	8♉56	15°R36	2°R 5	7°R14	17°R34	16♏14	12♎30	n.a.	T 1
W 2	18 18 49	3°36'30	8♈11	13°11	16° 5	27♐ 8	17° 3	9° 2	15♐33	2♓ 5	7♑13	17°D34	16°11	12°37	n.a.	W 2
T 3	18 22 46	4°33'56	22°22	15° 6	17°12	26°52	17°11	9° 7	15°31	2° 4	7°11	17♏35	16° 7	12°43	n.a.	T 3
F 4	18 26 42	5°31'23	6♉33	16°58	18°20	26°37	17°18	9°13	15°29	2° 3	7°10	17°36	16° 4	12°50	n.a.	F 4
S 5	18 30 39	6°28'52	20°42	18°50	19°27	26°22	17°26	9°18	15°27	2° 2	7° 8	17°R36	16° 1	12°57	n.a.	S 5
S 6	18 34 35	7°26'22	4♊47	20°39	20°34	26° 7	17°33	9°24	15°25	2° 2	7° 7	17°35	15°58	13° 3	n.a.	S 6
M 7	18 38 32	8°23'54	18°45	22°27	21°41	25°53	17°40	9°29	15°22	2° 1	7° 6	17°32	15°55	13°10	n.a.	M 7
T 8	18 42 28	9°21'27	2♋32	24°14	22°48	25°39	17°47	9°35	15°20	2° 0	7° 4	17°26	15°52	13°17	n.a.	T 8
W 9	18 46 25	10°19'01	16° 5	25°59	23°54	25°26	17°53	9°40	15°18	1°59	7° 3	17°18	15°48	13°23	n.a.	W 9
T 10	18 50 22	11°16'36	29°22	27°42	25° 1	25°13	18° 0	9°45	15°16	1°58	7° 2	17° 9	15°45	13°30	n.a.	T 10
F 11	18 54 18	12°14'13	12♌20	29°24	26° 7	25° 1	18° 6	9°50	15°14	1°57	7° 0	17° 0	15°42	13°37	n.a.	F 11
S 12	18 58 15	13°11'51	25° 0	1♌ 5	27°14	24°49	18°13	9°55	15°12	1°56	6°59	16°51	15°39	13°43	n.a.	S 12
S 13	19 2 11	14° 9'30	7♍23	2°44	28°20	24°38	18°19	10° 0	15°10	1°55	6°57	16°43	15°36	13°50	n.a.	S 13
M14	19 6 8	15° 7'10	19°32	4°21	29°26	24°27	18°25	10° 5	15° 8	1°54	6°56	16°38	15°33	13°57	n.a.	M14
T 15	19 10 4	16° 4'52	1♎29	5°57	0♍31	24°18	18°30	10° 9	15° 6	1°53	6°55	16°35	15°29	14° 3	n.a.	T 15
W16	19 14 1	17° 2'34	13°20	7°32	1°37	24° 8	18°36	10°14	15° 4	1°52	6°53	16°D33	15°26	14°10	n.a.	W16
T 17	19 17 57	18° 0'18	25°10	9° 5	2°42	24° 0	18°41	10°18	15° 2	1°51	6°52	16°34	15°23	14°17	n.a.	T 17
F 18	19 21 54	18°58'03	7♏ 4	10°36	3°47	23°52	18°47	10°23	15° 0	1°50	6°51	16°34	15°20	14°23	n.a.	F 18
S 19	19 25 51	19°55'50	19° 7	12° 7	4°52	23°45	18°52	10°27	14°58	1°49	6°49	16°R35	15°17	14°30	n.a.	S 19
S 20	19 29 47	20°53'38	1♐23	13°35	5°57	23°39	18°57	10°32	14°57	1°48	6°48	16°33	15°13	14°37	n.a.	S 20
M21	19 33 44	21°51'27	13°58	15° 2	7° 2	23°34	19° 1	10°36	14°55	1°47	6°47	16°30	15°10	14°43	n.a.	M21
T 22	19 37 40	22°49'17	26°54	16°28	8° 6	23°29	19° 6	10°40	14°53	1°45	6°45	16°25	15° 7	14°50	n.a.	T 22
W23	19 41 37	23°47'10	10♑12	17°52	9°10	23°25	19°10	10°44	14°51	1°44	6°44	16°17	15° 4	14°57	n.a.	W23
T 24	19 45 33	24°45'03	23°50	19°14	10°14	23°22	19°14	10°48	14°50	1°43	6°43	16° 7	15° 1	15° 3	n.a.	T 24
F 25	19 49 30	25°42'59	7♒47	20°35	11°18	23°20	19°19	10°52	14°48	1°42	6°41	15°56	14°58	15°10	n.a.	F 25
S 26	19 53 26	26°40'56	21°57	21°54	12°21	23°18	19°22	10°56	14°46	1°41	6°40	15°45	14°54	15°17	n.a.	S 26
S 27	19 57 23	27°38'55	6♓16	23°12	13°24	23°D17	19°26	10°59	14°45	1°39	6°39	15°36	14°51	15°23	n.a.	S 27
M28	20 1 20	28°36'56	20°38	24°28	14°27	23°17	19°30	11° 3	14°43	1°38	6°38	15°29	14°48	15°30	n.a.	M28
T 29	20 5 16	29°34'59	4♈58	25°41	15°30	23°18	19°33	11° 6	14°42	1°37	6°36	15°25	14°45	15°37	n.a.	T 29
W30	20 9 13	0♌33'03	19°12	26°53	16°32	23°20	19°36	11°10	14°40	1°35	6°35	15°23	14°42	15°43	n.a.	W30
T 31	20 13 9	1♌31'11	3♉20	28♌ 4	17♍34	23♐22	19♈39	11♉13	14♐39	1♓34	6♑34	15°D22	14♏39	15♎50	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23n43	1n24	4n 9	25n 5	1n49	17n43	1n13	29s42	5s59	5n31	1s19	12n43	2s 4	23s10	0s12	12s13	1s27	29s39	6s 6	17s18	16s54	7s38			n.a.
W 2	23 42	6 18	3 17	24 53	1 49	17 20	1 10	29 44	6 1	5 34	1 19	12 44	2 4	23 9	0 12	12 13	1 27	29 39	6 6	17 17	16 53	7 40			n.a.
T 3	23 40	10 51	2 12	24 39	1 47	16 56	1 7	29 45	6 3	5 37	1 19	12 46	2 4	23 9	0 12	12 13	1 27	29 39	6 7	17 18	16 53	7 42			n.a.
F 4	23 38	14 49	0 59	24 24	1 45	16 32	1 3	29 46	6 4	5 40	1 19	12 48	2 4	23 9	0 12	12 14	1 27	29 39	6 7	17 18	16 52	7 44			n.a.
S 5	23 35	17 53	0s17	24 6	1 43	16 7	1 0	29 47	6 5	5 42	1 20	12 49	2 4	23 9	0 12	12 14	1 27	29 39	6 7	17 18	16 51	7 46			n.a.
S 6	23 32	19 52	1 31	23 47	1 40	15 43	0 56	29 48	6 6	5 45	1 20	12 51	2 4	23 9	0 12	12 14	1 27	29 39	6 7	17 18	16 50	7 48			n.a.
M 7	23 29	20 37	2 40	23 26	1 37	15 18	0 53	29 48	6 7	5 47	1 20	12 52	2 4	23 8	0 12	12 15	1 27	29 40	6 7	17 17	16 49	7 49			n.a.
T 8	23 25	20 6	3 37	23 4	1 33	14 52	0 49	29 48	6 8	5 50	1 20	12 54	2 4	23 8	0 12	12 15	1 27	29 40	6 7	17 15	16 48	7 51			n.a.
W 9	23 20	18 26	4 22	22 40	1 29	14 26	0 46	29 48	6 8	5 52	1 20	12 56	2 5	23 8	0 12	12 15	1 27	29 40	6 7	17 13	16 47	7 53			n.a.
T 10	23 16	15 48	4 51	22 16	1 24	14 0	0 42	29 48	6 9	5 54	1 21	12 57	2 5	23 8	0 12	12 16	1 27	29 40	6 7	17 10	16 46	7 55			n.a.
F 11	23 11	12 27	5 5	21 49	1 19	13 34	0 38	29 48	6 9	5 57	1 21	12 59	2 5	23 7	0 12	12 16	1 27	29 40	6 7	17 8	16 45	7 57			n.a.
S 12	23 5	8 36	5 3	21 22	1 13	13 7	0 34	29 47	6 9	5 59	1 21	13 0	2 5	23 7	0 12	12 16	1 27	29 40	6 7	17 5	16 44	7 59			n.a.
S 13	22 59	4 29	4 46	20 54	1 8	12 40	0 30	29 47	6 9	6 1	1 21	13 1	2 5	23 7	0 12	12 17	1 27	29 40	6 7	17 3	16 43	8 1			n.a.
M14	22 53	0 16	4 17	20 25	1 2	12 13	0 25	29 46	6 9	6 3	1 21	13 3	2 5	23 7	0 12	12 17	1 27	29 40	6 7	17 1	16 42	8 3			n.a.
T 15	22 46	3s55	3 37	19 55	0 55	11 45	0 21	29 45	6 8	6 5	1 22	13 4	2 5	23 6	0 12	12 18	1 27	29 41	6 7	17 0	16 41	8 5			n.a.
W16	22 39	7 54	2 48	19 24	0 48	11 18	0 17	29 44	6 7	6 7	1 22	13 5	2 6	23 6	0 12	12 18	1 27	29 41	6 7	17 0	16 40	8 7			n.a.
T 17	22 31	11 36	1 52	18 53	0 41	10 50	0 12	29 43	6 7	6 9	1 22	13 7	2 6	23 6	0 12	12 19	1 27	29 41	6 7	17 0	16 39	8 9			n.a.
F 18	22 23	14 51	0 51	18 21	0 34	10 22	0 7	29 42	6 6	6 11	1 22	13 8	2 6	23 6	0 12	12 19	1 27	29 41	6 7	17 0	16 39	8 11			n.a.
S 19	22 15	17 30	0n14	17 48	0 27	9 53	0 3	29 40	6 5	6 13	1 22	13 9	2 6	23 6	0 12	12 19	1 28	29 41	6 7	17 0	16 38	8 13			n.a.
S 20	22 6	19 26	1 18	17 16	0 19	9 25	0s 2	29 39	6 4	6 14	1 23	13 10	2 6	23 5	0 12	12 20	1 28	29 41	6 7	17 0	16 37	8 15			n.a.
M21	21 57	20 27	2 21	16 42	0 11	8 56	0 7	29 37	6 2	6 16	1 23	13 12	2 6	23 5	0 12	12 20	1 28	29 41	6 8	16 59	16 36	8 17			n.a.
T 22	21 47	20 25	3 17	16 9	0 3	8 27	0 12	29 36	6 1	6 17	1 23	13 13	2 7	23 5	0 12	12 21	1 28	29 41	6 8	16 58	16 35	8 19			n.a.
W23	21 37	19 17	4 5	15 35	0s 6	7 58	0 17	29 34	5 59	6 19	1 23	13 14	2 7	23 5	0 12	12 21	1 28	29 41	6 8	16 55	16 34	8 20			n.a.
T 24	21 27	17 1	4 40	15 1	0 14	7 29	0 22	29 32	5 58	6 20	1 24	13 15	2 7	23 5	0 12	12 22	1 28	29 42	6 8	16 52	16 33	8 22			n.a.
F 25	21 16	13 44	4 59	14 27	0 23	7 0	0 27	29 30	5 56	6 22	1 24	13 16	2 7	23 4	0 12	12 22	1 28	29 42	6 8	16 49	16 32	8 24			n.a.
S 26	21 5	9 38	5 0	13 53	0 32	6 31	0 32	29 28	5 54	6 23	1 24	13 17	2 7	23 4	0 12	12 23	1 28	29 42	6 8	16 46	16 31	8 26			n.a.
S 27	20 54	4 57	4 43	13 19	0 41	6 1	0 38	29 26	5 52	6 24	1 24	13 18	2 7	23 4	0 12	12 23	1 28	29 42	6 8	16 43	16 30	8 28			n.a.
M28	20 42	0n 2	4 8	12 45	0 50	5 32	0 43	29 24	5 50	6 25	1 24	13 19	2 8	23 4	0 12	12 24	1 28	29 42	6 8	16 41	16 29	8 30			n.a.
T 29	20 30	5 0	3 17	12 11	0 59	5 2	0 49	29 22	5 48	6 26	1 25	13 20	2 8	23 4	0 12	12 24	1 28	29 42	6 8	16 40	16 28	8 32			n.a.
W30	20 17	9 41	2 14	11 38	1 9	4 33	0 54	29 20	5 46	6 27	1 25	13 21	2 8	23 4	0 12	12 25	1 28	29 42	6 8	16 39	16 27	8 34			n.a.
T 31	20n 5	13n47	1n 3	11n 5	1s18	4n 3	1s 0	29s18	5s44	6n28	1s25	13n22	2s 8	23s 3	0s12	12s25	1s28	29s42	6s 8	16s39	16s26	8s36			n.a.

Julian Day Number = 1559068.5, Delta T = 04h25m28s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'40, Lahiri = -10°05'40 Julian Calendar 1 July 445 BCE == Greg. Calendar 26 June 445 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

AUGUST 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 17 6	2♌29'20	17♉19	29♌12	18♍36	23♐26	19♈42	11♉16	14°R38	1°R32	6°R33	15°R23	14♏35	15♎57	n.a.	F 1
S 2	20 21 2	3°27'31	1♊10	0♍17	19°38	23°30	19°44	11°19	14♐36	1♓31	6♑31	15♏22	14°32	16° 3	n.a.	S 2
S 3	20 24 59	4°25'45	14°53	1°21	20°39	23°35	19°47	11°22	14°35	1°30	6°30	15°19	14°29	16°10	n.a.	S 3
M 4	20 28 55	5°24'01	28°26	2°22	21°40	23°40	19°49	11°25	14°34	1°28	6°29	15°14	14°26	16°17	n.a.	M 4
T 5	20 32 52	6°22'18	11♋49	3°21	22°41	23°47	19°51	11°28	14°33	1°27	6°28	15° 5	14°23	16°23	n.a.	T 5
W 6	20 36 48	7°20'38	25° 0	4°17	23°41	23°54	19°53	11°31	14°31	1°25	6°27	14°55	14°19	16°30	n.a.	W 6
T 7	20 40 45	8°19'00	7♌59	5°10	24°41	24° 2	19°54	11°33	14°30	1°24	6°26	14°42	14°16	16°37	n.a.	T 7
F 8	20 44 42	9°17'24	20°43	6° 0	25°41	24°11	19°56	11°36	14°29	1°22	6°25	14°28	14°13	16°43	n.a.	F 8
S 9	20 48 38	10°15'49	3♍13	6°47	26°40	24°20	19°57	11°38	14°28	1°21	6°23	14°16	14°10	16°50	n.a.	S 9
S 10	20 52 35	11°14'17	15°30	7°30	27°39	24°30	19°58	11°41	14°27	1°19	6°22	14° 5	14° 7	16°57	n.a.	S 10
M11	20 56 31	12°12'46	27°34	8°10	28°38	24°41	19°59	11°43	14°26	1°18	6°21	13°56	14° 4	17° 3	n.a.	M11
T 12	21 0 28	13°11'17	9♎28	8°45	29°36	24°53	19°59	11°45	14°25	1°16	6°20	13°50	14° 0	17°10	n.a.	T 12
W13	21 4 24	14° 9'50	21°17	9°16	0♎34	25° 5	20° 0	11°47	14°24	1°14	6°19	13°47	13°57	17°17	n.a.	W13
T 14	21 8 21	15° 8'24	3♏ 5	9°42	1°31	25°19	20°R 0	11°49	14°24	1°13	6°18	13°45	13°54	17°23	n.a.	T 14
F 15	21 12 17	16° 7'01	14°57	10° 4	2°28	25°32	20° 0	11°50	14°23	1°11	6°17	13°45	13°51	17°30	n.a.	F 15
S 16	21 16 14	17° 5'39	26°58	10°20	3°25	25°47	20° 0	11°52	14°22	1°10	6°16	13°45	13°48	17°36	n.a.	S 16
S 17	21 20 11	18° 4'19	9♐15	10°30	4°21	26° 2	19°59	11°54	14°22	1° 8	6°15	13°44	13°45	17°43	n.a.	S 17
M18	21 24 7	19° 3'01	21°52	10°R34	5°16	26°18	19°59	11°55	14°21	1° 6	6°14	13°40	13°41	17°50	n.a.	M18
T 19	21 28 4	20° 1'45	4♑53	10°32	6°11	26°34	19°58	11°56	14°20	1° 5	6°13	13°35	13°38	17°56	n.a.	T 19
W20	21 32 0	21° 0'31	18°20	10°22	7° 6	26°51	19°57	11°58	14°20	1° 3	6°13	13°26	13°35	18° 3	n.a.	W20
T 21	21 35 57	21°59'18	2♒13	10° 6	7°59	27° 9	19°56	11°59	14°19	1° 2	6°12	13°16	13°32	18°10	n.a.	T 21
F 22	21 39 53	22°58'08	16°30	9°43	8°53	27°27	19°54	12° 0	14°19	1° 0	6°11	13° 4	13°29	18°16	n.a.	F 22
S 23	21 43 50	23°56'59	1♓ 4	9°12	9°45	27°46	19°52	12° 1	14°19	0°58	6°10	12°53	13°25	18°23	n.a.	S 23
S 24	21 47 46	24°55'53	15°49	8°34	10°37	28° 5	19°51	12° 1	14°18	0°57	6° 9	12°43	13°22	18°30	n.a.	S 24
M25	21 51 43	25°54'49	0♈36	7°49	11°29	28°25	19°49	12° 2	14°18	0°55	6° 8	12°35	13°19	18°36	n.a.	M25
T 26	21 55 39	26°53'47	15°18	6°58	12°20	28°46	19°46	12° 2	14°18	0°53	6° 8	12°30	13°16	18°43	n.a.	T 26
W27	21 59 36	27°52'48	29°48	6° 1	13°10	29° 7	19°44	12° 3	14°18	0°52	6° 7	12°28	13°13	18°50	n.a.	W27
T 28	22 3 33	28°51'51	14♉ 5	4°58	13°59	29°28	19°41	12° 3	14°18	0°50	6° 6	12°D28	13°10	18°56	n.a.	T 28
F 29	22 7 29	29°50'57	28° 5	3°52	14°48	29°50	19°39	12° 3	14°18	0°48	6° 5	12°R28	13° 6	19° 3	n.a.	F 29
S 30	22 11 26	0♍50'05	11♊49	2°44	15°36	0♑13	19°36	12°R 4	14°D18	0°47	6° 5	12°27	13° 3	19°10	n.a.	S 30
S 31	22 15 22	1♍49'15	25♊18	1♍35	16♎23	0♑35	19♈33	12♉ 4	14♐18	0♓45	6♑ 4	12♏25	13♏ 0	19♎16	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n51	17n 3	0s10	10n32	1s27	3n33	1s 6	29s16	5s42	6n29	1s25	13n22	2s 8	23s 3	0s12	12s26	1s28	29s42	6s 8	16s39	16s25	8s38		n.a.
S 2	19 38	19 19	1 23	10 0	1 37	3 4	1 12	29 14	5 39	6 30	1 26	13 23	2 8	23 3	0 12	12 26	1 28	29 42	6 8	16 39	16 24	8 39		n.a.
S 3	19 24	20 24	2 29	9 29	1 46	2 34	1 18	29 12	5 37	6 31	1 26	13 24	2 9	23 3	0 12	12 27	1 28	29 42	6 8	16 38	16 23	8 41		n.a.
M 4	19 10	20 17	3 27	8 58	1 56	2 4	1 23	29 10	5 34	6 31	1 26	13 25	2 9	23 3	0 12	12 28	1 28	29 42	6 8	16 37	16 22	8 43		n.a.
T 5	18 55	19 2	4 12	8 28	2 5	1 34	1 29	29 7	5 32	6 32	1 26	13 25	2 9	23 3	0 12	12 28	1 28	29 42	6 8	16 34	16 21	8 45		n.a.
W 6	18 40	16 46	4 43	7 59	2 14	1 5	1 36	29 5	5 29	6 32	1 26	13 26	2 9	23 3	0 12	12 29	1 28	29 42	6 8	16 31	16 21	8 47		n.a.
T 7	18 25	13 42	4 58	7 31	2 24	0 35	1 42	29 3	5 27	6 33	1 27	13 27	2 9	23 2	0 12	12 29	1 28	29 42	6 8	16 27	16 20	8 49		n.a.
F 8	18 10	10 3	4 59	7 4	2 33	0 5	1 48	29 1	5 24	6 33	1 27	13 27	2 9	23 2	0 12	12 30	1 28	29 43	6 8	16 23	16 19	8 51		n.a.
S 9	17 54	6 2	4 44	6 38	2 42	0s24	1 54	28 58	5 21	6 33	1 27	13 28	2 10	23 2	0 12	12 30	1 28	29 43	6 8	16 19	16 18	8 53		n.a.
S 10	17 38	1 51	4 17	6 14	2 51	0 54	2 0	28 56	5 18	6 33	1 27	13 28	2 10	23 2	0 12	12 31	1 28	29 43	6 8	16 16	16 17	8 55		n.a.
M11	17 21	2s21	3 39	5 51	2 59	1 23	2 7	28 54	5 16	6 34	1 27	13 29	2 10	23 2	0 12	12 32	1 28	29 43	6 8	16 13	16 16	8 56		n.a.
T 12	17 4	6 25	2 51	5 30	3 7	1 52	2 13	28 51	5 13	6 34	1 28	13 29	2 10	23 2	0 12	12 32	1 28	29 43	6 8	16 12	16 15	8 58		n.a.
W13	16 47	10 12	1 56	5 11	3 15	2 22	2 20	28 49	5 10	6 34	1 28	13 30	2 10	23 2	0 12	12 33	1 28	29 43	6 7	16 11	16 14	9 0		n.a.
T 14	16 30	13 35	0 56	4 54	3 23	2 51	2 26	28 47	5 7	6 33	1 28	13 30	2 11	23 2	0 12	12 33	1 28	29 43	6 7	16 10	16 13	9 2		n.a.
F 15	16 13	16 26	0n 6	4 40	3 30	3 20	2 33	28 44	5 4	6 33	1 28	13 31	2 11	23 2	0 12	12 34	1 28	29 43	6 7	16 10	16 12	9 4		n.a.
S 16	15 55	18 36	1 10	4 28	3 36	3 48	2 39	28 42	5 1	6 33	1 29	13 31	2 11	23 1	0 12	12 35	1 28	29 43	6 7	16 10	16 11	9 6		n.a.
S 17	15 37	19 58	2 11	4 19	3 42	4 17	2 46	28 40	4 59	6 33	1 29	13 31	2 11	23 1	0 12	12 35	1 28	29 43	6 7	16 10	16 10	9 8		n.a.
M18	15 18	20 23	3 7	4 13	3 47	4 45	2 53	28 37	4 56	6 32	1 29	13 31	2 11	23 1	0 12	12 36	1 28	29 43	6 7	16 9	16 9	9 9		n.a.
T 19	15 0	19 44	3 56	4 10	3 51	5 13	2 59	28 35	4 53	6 32	1 29	13 32	2 12	23 1	0 12	12 36	1 29	29 43	6 7	16 7	16 8	9 11		n.a.
W20	14 41	17 58	4 33	4 10	3 54	5 41	3 6	28 32	4 50	6 31	1 29	13 32	2 12	23 1	0 12	12 37	1 29	29 43	6 7	16 4	16 7	9 13		n.a.
T 21	14 22	15 7	4 56	4 15	3 55	6 9	3 13	28 30	4 47	6 31	1 30	13 32	2 12	23 1	0 12	12 38	1 29	29 43	6 7	16 1	16 6	9 15		n.a.
F 22	14 2	11 19	5 1	4 23	3 56	6 37	3 20	28 27	4 44	6 30	1 30	13 32	2 12	23 1	0 12	12 38	1 29	29 43	6 7	15 58	16 5	9 17		n.a.
S 23	13 43	6 47	4 46	4 36	3 55	7 4	3 26	28 25	4 41	6 29	1 30	13 32	2 12	23 1	0 12	12 39	1 29	29 43	6 7	15 54	16 4	9 19		n.a.
S 24	13 23	1 47	4 13	4 53	3 52	7 31	3 33	28 22	4 38	6 28	1 30	13 32	2 12	23 1	0 12	12 39	1 29	29 43	6 7	15 51	16 3	9 20		n.a.
M25	13 3	3n20	3 22	5 14	3 48	7 58	3 40	28 19	4 35	6 27	1 30	13 32	2 13	23 1	0 12	12 40	1 29	29 43	6 7	15 49	16 2	9 22		n.a.
T 26	12 42	8 14	2 19	5 39	3 41	8 24	3 47	28 17	4 32	6 26	1 31	13 32	2 13	23 1	0 12	12 41	1 29	29 43	6 7	15 47	16 1	9 24		n.a.
W27	12 22	12 35	1 7	6 8	3 33	8 50	3 54	28 14	4 29	6 25	1 31	13 32	2 13	23 1	0 12	12 41	1 29	29 43	6 7	15 47	16 0	9 26		n.a.
T 28	12 1	16 8	0s 9	6 40	3 23	9 16	4 0	28 11	4 26	6 24	1 31	13 32	2 13	23 1	0 12	12 42	1 29	29 43	6 7	15 46	15 59	9 28		n.a.
F 29	11 40	18 39	1 22	7 16	3 10	9 41	4 7	28 8	4 23	6 23	1 31	13 32	2 13	23 1	0 12	12 42	1 29	29 43	6 7	15 47	15 58	9 30		n.a.
S 30	11 19	20 2	2 29	7 54	2 56	10 7	4 14	28 5	4 20	6 21	1 31	13 32	2 14	23 1	0 12	12 43	1 29	29 43	6 7	15 46	15 57	9 31		n.a.
S 31	10n58	20n13	3s27	8n33	2s40	10s31	4s21	28s 2	4s17	6n20	1s31	13n32	2s14	23s 1	0s12	12s44	1s29	29s42	6s 7	15s46	15s56	9s33		n.a.

Julian Day Number = 1559099.5, Delta T = 04h25m27s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'36, Lahiri = -10°05'36 Julian Calendar 1 Aug. 445 BCE == Greg. Calendar 27 July 445 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

SEPTEMBER 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 19 19	2♍48'28	8♋33	0°R28	17♎ 9	0♑59	19°R29	12°R 3	14♐18	0°R43	6°R 3	12°R21	12♏57	19♎23	n.a.	M 1
T 2	22 23 15	3°47'44	21°35	29♌23	17°54	1°23	19♈26	12♉ 3	14°18	0♓42	6♑ 3	12♏13	12°54	19°30	n.a.	T 2
W 3	22 27 12	4°47'02	4♌26	28°24	18°39	1°47	19°22	12° 3	14°18	0°40	6° 2	12° 3	12°50	19°36	n.a.	W 3
T 4	22 31 8	5°46'22	17° 5	27°31	19°22	2°12	19°18	12° 2	14°18	0°38	6° 2	11°52	12°47	19°43	n.a.	T 4
F 5	22 35 5	6°45'44	29°32	26°46	20° 5	2°37	19°14	12° 2	14°19	0°37	6° 1	11°39	12°44	19°50	n.a.	F 5
S 6	22 39 2	7°45'08	11♍49	26°10	20°47	3° 3	19° 9	12° 1	14°19	0°35	6° 1	11°28	12°41	19°56	n.a.	S 6
S 7	22 42 58	8°44'35	23°56	25°44	21°27	3°29	19° 5	12° 0	14°19	0°33	6° 0	11°17	12°38	20° 3	n.a.	S 7
M 8	22 46 55	9°44'03	5♎53	25°29	22° 6	3°55	19° 0	11°59	14°20	0°32	6° 0	11° 9	12°35	20°10	n.a.	M 8
T 9	22 50 51	10°43'34	17°44	25°D25	22°45	4°22	18°55	11°58	14°20	0°30	5°59	11° 4	12°31	20°16	n.a.	T 9
W10	22 54 48	11°43'07	29°31	25°31	23°22	4°50	18°50	11°57	14°21	0°28	5°59	11° 1	12°28	20°23	n.a.	W10
T 11	22 58 44	12°42'41	11♏17	25°48	23°58	5°17	18°45	11°56	14°22	0°27	5°59	11°D 0	12°25	20°30	n.a.	T 11
F 12	23 2 41	13°42'18	23° 8	26°16	24°32	5°45	18°40	11°55	14°22	0°25	5°58	11° 1	12°22	20°36	n.a.	F 12
S 13	23 6 37	14°41'56	5♐ 7	26°52	25° 5	6°14	18°34	11°53	14°23	0°24	5°58	11° 2	12°19	20°43	n.a.	S 13
S 14	23 10 34	15°41'37	17°21	27°38	25°37	6°42	18°29	11°52	14°24	0°22	5°58	11°R 2	12°16	20°50	n.a.	S 14
M15	23 14 30	16°41'19	29°54	28°32	26° 8	7°11	18°23	11°50	14°25	0°20	5°57	11° 1	12°12	20°56	n.a.	M15
T 16	23 18 27	17°41'03	12♑52	29°32	26°36	7°41	18°17	11°48	14°25	0°19	5°57	10°58	12° 9	21° 3	n.a.	T 16
W17	23 22 24	18°40'49	26°17	0♍40	27° 4	8°11	18°11	11°46	14°26	0°17	5°57	10°53	12° 6	21°10	n.a.	W17
T 18	23 26 20	19°40'36	10♒12	1°52	27°29	8°41	18° 5	11°44	14°27	0°16	5°57	10°46	12° 3	21°16	n.a.	T 18
F 19	23 30 17	20°40'26	24°35	3°10	27°53	9°11	17°58	11°42	14°28	0°14	5°56	10°38	12° 0	21°23	n.a.	F 19
S 20	23 34 13	21°40'17	9♓20	4°32	28°15	9°42	17°52	11°40	14°29	0°13	5°56	10°30	11°56	21°30	n.a.	S 20
S 21	23 38 10	22°40'10	24°22	5°57	28°35	10°12	17°45	11°38	14°30	0°11	5°56	10°23	11°53	21°36	n.a.	S 21
M22	23 42 6	23°40'06	9♈29	7°26	28°54	10°44	17°38	11°35	14°32	0°10	5°56	10°18	11°50	21°43	n.a.	M22
T 23	23 46 3	24°40'03	24°34	8°57	29°10	11°15	17°31	11°33	14°33	0° 8	5°56	10°15	11°47	21°49	n.a.	T 23
W24	23 49 59	25°40'03	9♉26	10°30	29°24	11°47	17°24	11°30	14°34	0° 7	5°D56	10°D14	11°44	21°56	n.a.	W24
T 25	23 53 56	26°40'05	24° 0	12° 4	29°37	12°19	17°17	11°28	14°35	0° 5	5°56	10°14	11°41	22° 3	n.a.	T 25
F 26	23 57 53	27°40'09	8♊12	13°40	29°47	12°51	17°10	11°25	14°37	0° 4	5°56	10°16	11°37	22° 9	n.a.	F 26
S 27	0 1 49	28°40'16	22° 2	15°17	29°55	13°23	17° 3	11°22	14°38	0° 2	5°56	10°17	11°34	22°16	n.a.	S 27
S 28	0 5 46	29°40'25	5♋30	16°54	0♏ 0	13°56	16°55	11°19	14°40	0° 1	5°56	10°R17	11°31	22°23	n.a.	S 28
M29	0 9 42	0♎40'36	18°38	18°33	0° 4	14°29	16°48	11°16	14°41	29♒59	5°56	10°15	11°28	22°29	n.a.	M29
T 30	0 13 39	1♎40'49	1♌29	20♍11	0°R 5	15♑ 2	16♈40	11♉13	14♐43	29♒58	5♑56	10♏12	11♏25	22♎36	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n36	19n16	4s12	9n14	2s23	10s56	4s27	27s59	4s14	6n19	1s32	13n32	2s14	23s 1	0s12	12s44	1s29	29s42	6s 6	15s44	15s55	9s35		n.a.
T 2	10 15	17 19	4 44	9 54	2 4	11 19	4 34	27 56	4 12	6 17	1 32	13 31	2 14	23 1	0 12	12 45	1 29	29 42	6 6	15 42	15 55	9 37		n.a.
W 3	9 53	14 33	5 0	10 33	1 44	11 43	4 41	27 53	4 9	6 15	1 32	13 31	2 14	23 1	0 12	12 45	1 29	29 42	6 6	15 39	15 54	9 39		n.a.
T 4	9 31	11 8	5 1	11 10	1 24	12 6	4 48	27 49	4 6	6 14	1 32	13 31	2 14	23 1	0 12	12 46	1 29	29 42	6 6	15 35	15 53	9 40		n.a.
F 5	9 9	7 17	4 48	11 45	1 4	12 28	4 54	27 46	4 3	6 12	1 32	13 30	2 15	23 1	0 12	12 47	1 29	29 42	6 6	15 31	15 52	9 42		n.a.
S 6	8 46	3 11	4 22	12 16	0 44	12 50	5 1	27 43	4 0	6 10	1 32	13 30	2 15	23 1	0 12	12 47	1 29	29 42	6 6	15 28	15 51	9 44		n.a.
S 7	8 24	0s59	3 44	12 43	0 25	13 12	5 7	27 39	3 57	6 8	1 33	13 30	2 15	23 1	0 12	12 48	1 29	29 42	6 6	15 25	15 50	9 46		n.a.
M 8	8 1	5 4	2 56	13 6	0 6	13 33	5 14	27 35	3 54	6 7	1 33	13 29	2 15	23 1	0 12	12 48	1 29	29 42	6 6	15 22	15 49	9 48		n.a.
T 9	7 38	8 55	2 1	13 24	0n12	13 53	5 20	27 32	3 51	6 5	1 33	13 29	2 15	23 1	0 12	12 49	1 29	29 42	6 6	15 20	15 48	9 49		n.a.
W10	7 15	12 24	1 1	13 37	0 28	14 13	5 26	27 28	3 49	6 2	1 33	13 28	2 16	23 1	0 12	12 50	1 29	29 42	6 6	15 19	15 47	9 51		n.a.
T 11	6 52	15 23	0n 2	13 46	0 44	14 33	5 32	27 24	3 46	6 0	1 33	13 28	2 16	23 1	0 12	12 50	1 29	29 42	6 6	15 19	15 46	9 53		n.a.
F 12	6 29	17 45	1 5	13 49	0 57	14 51	5 38	27 20	3 43	5 58	1 33	13 27	2 16	23 1	0 12	12 51	1 29	29 42	6 6	15 19	15 45	9 55		n.a.
S 13	6 6	19 22	2 6	13 48	1 10	15 9	5 44	27 16	3 40	5 56	1 33	13 27	2 16	23 2	0 12	12 51	1 29	29 42	6 6	15 20	15 44	9 57		n.a.
S 14	5 43	20 6	3 3	13 43	1 21	15 27	5 50	27 12	3 37	5 54	1 33	13 26	2 16	23 2	0 12	12 52	1 29	29 42	6 5	15 20	15 43	9 58		n.a.
M15	5 19	19 53	3 52	13 33	1 30	15 43	5 56	27 7	3 35	5 51	1 34	13 25	2 16	23 2	0 12	12 52	1 29	29 42	6 5	15 19	15 42	10 0		n.a.
T 16	4 56	18 37	4 32	13 19	1 38	15 59	6 1	27 3	3 32	5 49	1 34	13 25	2 16	23 2	0 12	12 53	1 29	29 42	6 5	15 18	15 41	10 2		n.a.
W17	4 32	16 18	4 58	13 1	1 45	16 14	6 7	26 58	3 29	5 47	1 34	13 24	2 17	23 2	0 12	12 54	1 29	29 41	6 5	15 17	15 40	10 4		n.a.
T 18	4 8	12 59	5 7	12 40	1 51	16 28	6 12	26 54	3 27	5 44	1 34	13 23	2 17	23 2	0 12	12 54	1 29	29 41	6 5	15 15	15 39	10 6		n.a.
F 19	3 45	8 49	4 59	12 16	1 55	16 42	6 17	26 49	3 24	5 41	1 34	13 22	2 17	23 2	0 12	12 55	1 29	29 41	6 5	15 12	15 38	10 7		n.a.
S 20	3 21	4 0	4 30	11 48	1 58	16 54	6 21	26 44	3 21	5 39	1 34	13 21	2 17	23 2	0 12	12 55	1 29	29 41	6 5	15 10	15 37	10 9		n.a.
S 21	2 57	1n 7	3 42	11 19	2 1	17 6	6 26	26 39	3 19	5 36	1 34	13 21	2 17	23 2	0 12	12 56	1 29	29 41	6 5	15 7	15 36	10 11		n.a.
M22	2 33	6 14	2 39	10 46	2 2	17 17	6 30	26 34	3 16	5 34	1 34	13 20	2 17	23 3	0 12	12 56	1 29	29 41	6 5	15 6	15 35	10 13		n.a.
T 23	2 9	10 56	1 24	10 12	2 2	17 26	6 34	26 29	3 13	5 31	1 34	13 19	2 18	23 3	0 12	12 57	1 29	29 41	6 5	15 5	15 34	10 14		n.a.
W24	1 45	14 53	0 4	9 36	2 2	17 35	6 38	26 23	3 11	5 28	1 34	13 18	2 18	23 3	0 12	12 57	1 29	29 41	6 5	15 4	15 33	10 16		n.a.
T 25	1 20	17 49	1s14	8 59	2 1	17 42	6 41	26 18	3 8	5 25	1 34	13 17	2 18	23 3	0 12	12 58	1 29	29 41	6 4	15 5	15 32	10 18		n.a.
F 26	0 56	19 33	2 26	8 20	1 59	17 49	6 44	26 12	3 6	5 22	1 34	13 16	2 18	23 3	0 12	12 58	1 29	29 41	6 4	15 5	15 31	10 20		n.a.
S 27	0 32	20 3	3 27	7 40	1 57	17 54	6 47	26 6	3 3	5 20	1 34	13 15	2 18	23 3	0 12	12 59	1 29	29 41	6 4	15 5	15 30	10 21		n.a.
S 28	0 8	19 22	4 16	6 59	1 54	17 58	6 49	26 0	3 1	5 17	1 34	13 14	2 18	23 3	0 12	12 59	1 29	29 40	6 4	15 5	15 29	10 23		n.a.
M29	0s16	17 39	4 49	6 17	1 51	18 1	6 51	25 54	2 58	5 14	1 35	13 13	2 18	23 4	0 12	13 0	1 28	29 40	6 4	15 5	15 28	10 25		n.a.
T 30	0s41	15n 5	5s 7	5n34	1n47	18s 3	6s52	25s48	2s56	5n11	1s35	13n12	2s18	23s 4	0s12	13s 0	1s28	29s40	6s 4	15s 4	15s27	10s27		n.a.

Julian Day Number = 1559130.5, Delta T = 04h25m26s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'32, Lahiri = -10°05'32 Julian Calendar 1 Sept. 445 BCE == Greg. Calendar 27 Aug. 445 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

OCTOBER 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 17 35	2♎41'05	14♌ 4	21♍50	0°R 4	15♑35	16°R32	11°R 9	14♐44	29°R57	5♑57	10°R 7	11♏21	22♎43	n.a.	W 1
T 2	0 21 32	3°41'22	26°27	23°29	0♏ 0	16° 9	16♈24	11♉ 6	14°46	29♒55	5°57	10♏ 0	11°18	22°49	n.a.	T 2
F 3	0 25 28	4°41'42	8♍40	25° 8	29♎54	16°43	16°17	11° 3	14°48	29°54	5°57	9°54	11°15	22°56	n.a.	F 3
S 4	0 29 25	5°42'03	20°44	26°47	29°46	17°17	16° 9	10°59	14°49	29°53	5°57	9°47	11°12	23° 3	n.a.	S 4
S 5	0 33 21	6°42'27	2♎41	28°26	29°35	17°51	16° 1	10°55	14°51	29°52	5°58	9°41	11° 9	23° 9	n.a.	S 5
M 6	0 37 18	7°42'52	14°33	0♎ 4	29°22	18°25	15°53	10°52	14°53	29°50	5°58	9°37	11° 6	23°16	n.a.	M 6
T 7	0 41 15	8°43'19	26°20	1°43	29° 6	19° 0	15°45	10°48	14°55	29°49	5°58	9°35	11° 2	23°23	n.a.	T 7
W 8	0 45 11	9°43'47	8♏ 7	3°21	28°48	19°34	15°37	10°44	14°57	29°48	5°59	9°D34	10°59	23°29	n.a.	W 8
T 9	0 49 8	10°44'18	19°55	4°59	28°28	20° 9	15°28	10°40	14°59	29°47	5°59	9°34	10°56	23°36	n.a.	T 9
F 10	0 53 4	11°44'50	1♐47	6°37	28° 5	20°45	15°20	10°36	15° 1	29°46	5°59	9°36	10°53	23°43	n.a.	F 10
S 11	0 57 1	12°45'23	13°48	8°14	27°40	21°20	15°12	10°32	15° 3	29°44	6° 0	9°37	10°50	23°49	n.a.	S 11
S 12	1 0 57	13°45'58	26° 1	9°51	27°14	21°55	15° 4	10°28	15° 5	29°43	6° 0	9°39	10°47	23°56	n.a.	S 12
M13	1 4 54	14°46'34	8♑31	11°28	26°45	22°31	14°56	10°24	15° 7	29°42	6° 1	9°40	10°43	24° 3	n.a.	M13
T 14	1 8 50	15°47'12	21°23	13° 4	26°15	23° 7	14°48	10°20	15° 9	29°41	6° 1	9°R40	10°40	24° 9	n.a.	T 14
W15	1 12 47	16°47'50	4♒40	14°40	25°43	23°43	14°39	10°15	15°12	29°40	6° 2	9°39	10°37	24°16	n.a.	W15
T 16	1 16 44	17°48'31	18°25	16°16	25°10	24°19	14°31	10°11	15°14	29°39	6° 3	9°37	10°34	24°22	n.a.	T 16
F 17	1 20 40	18°49'12	2♓39	17°52	24°36	24°55	14°23	10° 7	15°16	29°38	6° 3	9°34	10°31	24°29	n.a.	F 17
S 18	1 24 37	19°49'54	17°18	19°27	24° 0	25°31	14°15	10° 2	15°19	29°37	6° 4	9°32	10°27	24°36	n.a.	S 18
S 19	1 28 33	20°50'38	2♈18	21° 3	23°25	26° 8	14° 7	9°58	15°21	29°36	6° 5	9°29	10°24	24°42	n.a.	S 19
M20	1 32 30	21°51'23	17°31	22°38	22°48	26°44	13°59	9°53	15°23	29°35	6° 5	9°27	10°21	24°49	n.a.	M20
T 21	1 36 26	22°52'10	2♉46	24°12	22°12	27°21	13°51	9°48	15°26	29°35	6° 6	9°D26	10°18	24°56	n.a.	T 21
W22	1 40 23	23°52'58	17°55	25°47	21°35	27°58	13°43	9°44	15°28	29°34	6° 7	9°26	10°15	25° 2	n.a.	W22
T 23	1 44 19	24°53'48	2♊47	27°21	20°59	28°35	13°35	9°39	15°31	29°33	6° 8	9°27	10°12	25° 9	n.a.	T 23
F 24	1 48 16	25°54'39	17°17	28°56	20°24	29°12	13°27	9°34	15°33	29°32	6° 8	9°28	10° 8	25°16	n.a.	F 24
S 25	1 52 13	26°55'32	1♋21	0♏30	19°49	29°49	13°19	9°29	15°36	29°32	6° 9	9°29	10° 5	25°22	n.a.	S 25
S 26	1 56 9	27°56'26	14°58	2° 4	19°16	0♒26	13°12	9°25	15°39	29°31	6°10	9°30	10° 2	25°29	n.a.	S 26
M27	2 0 6	28°57'22	28°10	3°38	18°44	1° 4	13° 4	9°20	15°41	29°30	6°11	9°R30	9°59	25°36	n.a.	M27
T 28	2 4 2	29°58'20	10♌59	5°11	18°13	1°41	12°57	9°15	15°44	29°30	6°12	9°30	9°56	25°42	n.a.	T 28
W29	2 7 59	0♏59'18	23°29	6°45	17°44	2°19	12°49	9°10	15°47	29°29	6°13	9°30	9°53	25°49	n.a.	W29
T 30	2 11 55	2° 0'19	5♍43	8°19	17°17	2°56	12°42	9° 5	15°50	29°28	6°14	9°29	9°49	25°56	n.a.	T 30
F 31	2 15 52	3♏ 1'20	17♍47	9♏52	16♎51	3♒34	12♈35	9♉ 0	15♐52	29♒28	6♑15	9♏28	9♏46	26♎ 2	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
W 1	1s 5	11n52	5s10	4n51	1n43	18s 3	6s53	25s41	2s53	5n 8	1s35	13n11	2s19	23s 4	0s12	13s 1	1s28	29s40	6s 4	15s 2	15s26	10s28			n.a.
T 2	1 29	8 11	4 58	4 7	1 38	18 2	6 53	25 35	2 51	5 5	1 35	13 9	2 19	23 4	0 12	13 1	1 28	29 40	6 4	15 0	15 25	10 30			n.a.
F 3	1 53	4 13	4 33	3 23	1 34	18 0	6 53	25 28	2 48	5 2	1 35	13 8	2 19	23 4	0 12	13 2	1 28	29 40	6 4	14 58	15 24	10 32			n.a.
S 4	2 18	0 7	3 56	2 39	1 29	17 56	6 52	25 21	2 46	4 59	1 35	13 7	2 19	23 5	0 12	13 2	1 28	29 40	6 4	14 56	15 23	10 34			n.a.
S 5	2 42	3s57	3 8	1 54	1 23	17 51	6 51	25 14	2 44	4 56	1 34	13 6	2 19	23 5	0 12	13 3	1 28	29 40	6 3	14 54	15 22	10 35			n.a.
M 6	3 6	7 50	2 13	1 9	1 18	17 44	6 48	25 7	2 41	4 53	1 34	13 5	2 19	23 5	0 12	13 3	1 28	29 40	6 3	14 53	15 21	10 37			n.a.
T 7	3 30	11 25	1 12	0 24	1 12	17 36	6 46	25 0	2 39	4 49	1 34	13 3	2 19	23 5	0 12	13 3	1 28	29 40	6 3	14 52	15 20	10 39			n.a.
W 8	3 54	14 31	0 8	0s21	1 6	17 26	6 42	24 53	2 37	4 46	1 34	13 2	2 19	23 5	0 12	13 4	1 28	29 39	6 3	14 52	15 19	10 40			n.a.
T 9	4 18	17 2	0n57	1 5	1 0	17 14	6 38	24 45	2 34	4 43	1 34	13 1	2 19	23 6	0 12	13 4	1 28	29 39	6 3	14 52	15 18	10 42			n.a.
F 10	4 42	18 50	1 59	1 50	0 54	17 2	6 33	24 37	2 32	4 40	1 34	12 59	2 19	23 6	0 12	13 5	1 28	29 39	6 3	14 52	15 17	10 44			n.a.
S 11	5 6	19 49	2 58	2 35	0 47	16 47	6 28	24 30	2 30	4 37	1 34	12 58	2 19	23 6	0 12	13 5	1 28	29 39	6 3	14 53	15 16	10 46			n.a.
S 12	5 30	19 52	3 49	3 19	0 41	16 31	6 21	24 22	2 27	4 34	1 34	12 57	2 19	23 6	0 12	13 5	1 28	29 39	6 3	14 53	15 15	10 47			n.a.
M13	5 54	18 58	4 30	4 4	0 35	16 14	6 14	24 13	2 25	4 31	1 34	12 55	2 20	23 7	0 12	13 6	1 28	29 39	6 3	14 54	15 14	10 49			n.a.
T 14	6 17	17 5	5 0	4 48	0 28	15 55	6 6	24 5	2 23	4 28	1 34	12 54	2 20	23 7	0 12	13 6	1 28	29 39	6 3	14 54	15 13	10 51			n.a.
W15	6 41	14 15	5 15	5 31	0 22	15 35	5 57	23 57	2 21	4 25	1 34	12 53	2 20	23 7	0 12	13 6	1 28	29 39	6 3	14 53	15 12	10 52			n.a.
T 16	7 4	10 33	5 12	6 15	0 15	15 14	5 48	23 48	2 18	4 21	1 34	12 51	2 20	23 7	0 12	13 7	1 28	29 38	6 2	14 53	15 11	10 54			n.a.
F 17	7 28	6 9	4 51	6 58	0 8	14 52	5 38	23 39	2 16	4 18	1 34	12 50	2 20	23 8	0 12	13 7	1 28	29 38	6 2	14 52	15 10	10 56			n.a.
S 18	7 51	1 15	4 10	7 41	0 2	14 28	5 27	23 30	2 14	4 15	1 34	12 48	2 20	23 8	0 12	13 7	1 28	29 38	6 2	14 51	15 9	10 57			n.a.
S 19	8 14	3n51	3 11	8 23	0s 5	14 4	5 15	23 21	2 12	4 12	1 33	12 47	2 20	23 8	0 12	13 8	1 28	29 38	6 2	14 50	15 8	10 59			n.a.
M20	8 37	8 47	1 59	9 5	0 11	13 39	5 3	23 12	2 10	4 9	1 33	12 45	2 20	23 8	0 12	13 8	1 28	29 38	6 2	14 50	15 7	11 1			n.a.
T 21	9 0	13 10	0 37	9 47	0 18	13 13	4 50	23 3	2 8	4 6	1 33	12 44	2 20	23 9	0 12	13 8	1 28	29 38	6 2	14 49	15 6	11 3			n.a.
W22	9 23	16 38	0s47	10 28	0 24	12 47	4 36	22 53	2 6	4 3	1 33	12 42	2 20	23 9	0 12	13 8	1 28	29 38	6 2	14 49	15 5	11 4			n.a.
T 23	9 46	18 56	2 6	11 8	0 31	12 20	4 22	22 44	2 4	4 0	1 33	12 41	2 20	23 9	0 12	13 9	1 28	29 38	6 2	14 50	15 4	11 6			n.a.
F 24	10 8	19 54	3 15	11 48	0 37	11 53	4 8	22 34	2 2	3 57	1 33	12 39	2 20	23 9	0 12	13 9	1 28	29 37	6 2	14 50	15 3	11 8			n.a.
S 25	10 30	19 34	4 10	12 28	0 43	11 26	3 53	22 24	2 0	3 54	1 32	12 38	2 20	23 10	0 12	13 9	1 28	29 37	6 2	14 50	15 2	11 9			n.a.
S 26	10 53	18 6	4 49	13 7	0 49	10 59	3 38	22 14	1 58	3 52	1 32	12 36	2 20	23 10	0 12	13 9	1 28	29 37	6 2	14 51	15 1	11 11			n.a.
M27	11 15	15 43	5 11	13 45	0 55	10 33	3 23	22 3	1 56	3 49	1 32	12 35	2 20	23 10	0 12	13 10	1 28	29 37	6 1	14 51	15 0	11 13			n.a.
T 28	11 36	12 37	5 18	14 23	1 1	10 7	3 8	21 53	1 54	3 46	1 32	12 33	2 20	23 11	0 12	13 10	1 28	29 37	6 1	14 51	14 59	11 14			n.a.
W29	11 58	9 1	5 8	15 0	1 7	9 41	2 52	21 43	1 52	3 43	1 32	12 32	2 20	23 11	0 12	13 10	1 28	29 37	6 1	14 50	14 58	11 16			n.a.
T 30	12 19	5 7	4 45	15 36	1 13	9 16	2 36	21 32	1 50	3 41	1 32	12 30	2 20	23 11	0 12	13 10	1 28	29 37	6 1	14 50	14 57	11 18			n.a.
F 31	12s41	1n 4	4s10	16s12	1s18	8s52	2s21	21s21	1s48	3n38	1s31	12n29	2s20	23s12	0s12	13s10	1s28	29s37	6s 1	14s50	14s56	11s19			n.a.

Julian Day Number = 1559160.5, Delta T = 04h25m25s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'28, Lahiri = -10°05'27 Julian Calendar 1 Oct. 445 BCE == Greg. Calendar 26 Sept. 445 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

NOVEMBER 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 19 48	4♏ 2'23	29♍42	11♏26	16°R28	4♒12	12°R28	8°R55	15♐55	29°R27	6♑16	9°R27	9♏43	26♎ 9	n.a.	S 1
S 2	2 23 45	5° 3'26	11♎32	13° 0	16♎ 8	4°50	12♈21	8♉50	15°58	29♒27	6°17	9♏26	9°40	26°16	n.a.	S 2
M 3	2 27 42	6° 4'31	23°19	14°33	15°49	5°28	12°14	8°45	16° 1	29°26	6°18	9°26	9°37	26°22	n.a.	M 3
T 4	2 31 38	7° 5'37	5♏ 7	16° 6	15°33	6° 6	12° 7	8°40	16° 4	29°26	6°19	9°D26	9°33	26°29	n.a.	T 4
W 5	2 35 35	8° 6'44	16°56	17°40	15°19	6°44	12° 0	8°35	16° 7	29°26	6°20	9°26	9°30	26°35	n.a.	W 5
T 6	2 39 31	9° 7'52	28°50	19°13	15° 8	7°23	11°54	8°30	16°10	29°25	6°21	9°R26	9°27	26°42	n.a.	T 6
F 7	2 43 28	10° 9'01	10♐51	20°47	14°59	8° 1	11°47	8°25	16°13	29°25	6°22	9°26	9°24	26°49	n.a.	F 7
S 8	2 47 24	11°10'10	22°59	22°20	14°53	8°40	11°41	8°20	16°16	29°25	6°23	9°26	9°21	26°55	n.a.	S 8
S 9	2 51 21	12°11'20	5♑19	23°53	14°49	9°18	11°35	8°15	16°19	29°24	6°25	9°25	9°18	27° 2	n.a.	S 9
M10	2 55 17	13°12'31	17°54	25°26	14°D48	9°57	11°29	8°10	16°22	29°24	6°26	9°25	9°14	27° 9	n.a.	M10
T 11	2 59 14	14°13'41	0♒45	26°59	14°49	10°35	11°24	8° 5	16°25	29°24	6°27	9°25	9°11	27°15	n.a.	T 11
W12	3 3 11	15°14'53	13°56	28°32	14°52	11°14	11°18	8° 0	16°29	29°24	6°28	9°D24	9° 8	27°22	n.a.	W12
T 13	3 7 7	16°16'04	27°30	0♐ 4	14°58	11°53	11°13	7°56	16°32	29°24	6°30	9°25	9° 5	27°29	n.a.	T 13
F 14	3 11 4	17°17'16	11♓28	1°36	15° 6	12°32	11° 7	7°51	16°35	29°24	6°31	9°25	9° 2	27°35	n.a.	F 14
S 15	3 15 0	18°18'28	25°49	3° 8	15°17	13°11	11° 2	7°46	16°38	29°24	6°32	9°26	8°58	27°42	n.a.	S 15
S 16	3 18 57	19°19'40	10♈31	4°39	15°29	13°50	10°57	7°41	16°42	29°D24	6°34	9°27	8°55	27°49	n.a.	S 16
M17	3 22 53	20°20'53	25°30	6°10	15°44	14°29	10°53	7°36	16°45	29°24	6°35	9°27	8°52	27°55	n.a.	M17
T 18	3 26 50	21°22'06	10♉37	7°40	16° 1	15° 8	10°48	7°31	16°48	29°24	6°36	9°R27	8°49	28° 2	n.a.	T 18
W19	3 30 46	22°23'19	25°44	9° 9	16°20	15°47	10°44	7°27	16°51	29°24	6°38	9°27	8°46	28° 9	n.a.	W19
T 20	3 34 43	23°24'33	10♊42	10°37	16°41	16°26	10°40	7°22	16°55	29°24	6°39	9°26	8°43	28°15	n.a.	T 20
F 21	3 38 40	24°25'47	25°22	12° 4	17° 4	17° 5	10°36	7°17	16°58	29°24	6°41	9°24	8°39	28°22	n.a.	F 21
S 22	3 42 36	25°27'01	9♋38	13°29	17°28	17°44	10°32	7°13	17° 1	29°24	6°42	9°22	8°36	28°28	n.a.	S 22
S 23	3 46 33	26°28'16	23°28	14°52	17°55	18°24	10°28	7° 8	17° 5	29°25	6°44	9°20	8°33	28°35	n.a.	S 23
M24	3 50 29	27°29'32	6♌49	16°13	18°23	19° 3	10°25	7° 4	17° 8	29°25	6°45	9°18	8°30	28°42	n.a.	M24
T 25	3 54 26	28°30'47	19°44	17°31	18°53	19°42	10°22	6°59	17°12	29°25	6°47	9°17	8°27	28°48	n.a.	T 25
W26	3 58 22	29°32'03	2♍17	18°46	19°24	20°22	10°18	6°55	17°15	29°26	6°48	9°D17	8°24	28°55	n.a.	W26
T 27	4 2 19	0♐33'20	14°31	19°58	19°57	21° 1	10°16	6°50	17°19	29°26	6°50	9°17	8°20	29° 2	n.a.	T 27
F 28	4 6 16	1°34'36	26°31	21° 5	20°31	21°41	10°13	6°46	17°22	29°26	6°51	9°19	8°17	29° 8	n.a.	F 28
S 29	4 10 12	2°35'53	8♎22	22° 7	21° 7	22°20	10°11	6°42	17°25	29°27	6°53	9°20	8°14	29°15	n.a.	S 29
S 30	4 14 9	3♐37'10	20♎ 9	23♐ 4	21♎45	23♒ 0	10♈ 8	6♉38	17♐29	29♒27	6♑54	9♏22	8♏11	29♎22	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s 2	2s59	3s24	16s47	1s24	8s29	2s 5	21s10	1s46	3n35	1s31	12n27	2s20	23s12	0s12	13s10	1s28	29s36	6s 1	14s49	14s55	11s21		n.a.
S 2	13 22	6 54	2 29	17 21	1 29	8 7	1 50	20 59	1 44	3 33	1 31	12 26	2 20	23 12	0 12	13 11	1 27	29 36	6 1	14 49	14 54	11 22		n.a.
M 3	13 43	10 32	1 28	17 54	1 34	7 45	1 35	20 48	1 42	3 30	1 31	12 24	2 20	23 12	0 12	13 11	1 27	29 36	6 1	14 49	14 53	11 24		n.a.
T 4	14 3	13 46	0 24	18 26	1 39	7 25	1 20	20 36	1 40	3 28	1 30	12 22	2 19	23 13	0 12	13 11	1 27	29 36	6 1	14 49	14 52	11 26		n.a.
W 5	14 23	16 27	0n42	18 58	1 43	7 6	1 5	20 25	1 38	3 25	1 30	12 21	2 19	23 13	0 12	13 11	1 27	29 36	6 1	14 49	14 51	11 27		n.a.
T 6	14 43	18 26	1 46	19 28	1 47	6 49	0 50	20 13	1 37	3 23	1 30	12 19	2 19	23 13	0 12	13 11	1 27	29 36	6 1	14 49	14 50	11 29		n.a.
F 7	15 3	19 37	2 46	19 58	1 52	6 32	0 36	20 1	1 35	3 21	1 30	12 18	2 19	23 14	0 12	13 11	1 27	29 36	6 1	14 49	14 49	11 31		n.a.
S 8	15 22	19 54	3 40	20 27	1 55	6 17	0 23	19 49	1 33	3 19	1 29	12 16	2 19	23 14	0 12	13 11	1 27	29 36	6 1	14 49	14 48	11 32		n.a.
S 9	15 41	19 15	4 24	20 54	1 59	6 3	0 9	19 37	1 31	3 16	1 29	12 15	2 19	23 14	0 12	13 11	1 27	29 35	6 1	14 49	14 46	11 34		n.a.
M10	16 0	17 39	4 56	21 20	2 2	5 51	0n 4	19 25	1 29	3 14	1 29	12 13	2 19	23 15	0 12	13 11	1 27	29 35	6 0	14 49	14 45	11 36		n.a.
T 11	16 19	15 8	5 14	21 46	2 5	5 39	0 17	19 13	1 28	3 12	1 29	12 12	2 19	23 15	0 12	13 11	1 27	29 35	6 0	14 49	14 44	11 37		n.a.
W12	16 37	11 48	5 17	22 10	2 8	5 29	0 29	19 0	1 26	3 10	1 28	12 10	2 19	23 15	0 12	13 11	1 27	29 35	6 0	14 49	14 43	11 39		n.a.
T 13	16 55	7 46	5 2	22 32	2 10	5 21	0 41	18 48	1 24	3 9	1 28	12 9	2 19	23 16	0 12	13 11	1 27	29 35	6 0	14 49	14 42	11 40		n.a.
F 14	17 13	3 12	4 30	22 54	2 12	5 14	0 52	18 35	1 23	3 7	1 28	12 7	2 19	23 16	0 12	13 11	1 27	29 35	6 0	14 49	14 41	11 42		n.a.
S 15	17 30	1n40	3 40	23 14	2 13	5 8	1 3	18 22	1 21	3 5	1 28	12 6	2 18	23 16	0 12	13 11	1 27	29 35	6 0	14 49	14 40	11 44		n.a.
S 16	17 47	6 34	2 34	23 32	2 14	5 3	1 13	18 9	1 19	3 3	1 27	12 4	2 18	23 17	0 12	13 11	1 27	29 35	6 0	14 49	14 39	11 45		n.a.
M17	18 4	11 10	1 17	23 49	2 14	4 59	1 24	17 56	1 18	3 2	1 27	12 3	2 18	23 17	0 12	13 11	1 27	29 34	6 0	14 50	14 38	11 47		n.a.
T 18	18 20	15 6	0s 6	24 4	2 14	4 57	1 33	17 43	1 16	3 0	1 27	12 1	2 18	23 17	0 12	13 11	1 27	29 34	6 0	14 50	14 37	11 49		n.a.
W19	18 36	18 0	1 29	24 18	2 13	4 56	1 43	17 29	1 14	2 59	1 26	12 0	2 18	23 18	0 12	13 11	1 27	29 34	6 0	14 50	14 36	11 50		n.a.
T 20	18 52	19 37	2 45	24 30	2 12	4 56	1 51	17 16	1 13	2 57	1 26	11 59	2 18	23 18	0 12	13 11	1 27	29 34	6 0	14 49	14 35	11 52		n.a.
F 21	19 7	19 52	3 48	24 41	2 10	4 57	2 0	17 3	1 11	2 56	1 26	11 57	2 18	23 18	0 12	13 11	1 27	29 34	6 0	14 49	14 34	11 53		n.a.
S 22	19 22	18 49	4 35	24 49	2 8	4 59	2 8	16 49	1 10	2 55	1 25	11 56	2 17	23 19	0 12	13 11	1 27	29 34	6 0	14 48	14 33	11 55		n.a.
S 23	19 37	16 41	5 5	24 56	2 4	5 2	2 16	16 35	1 8	2 54	1 25	11 55	2 17	23 19	0 12	13 11	1 27	29 34	6 0	14 47	14 32	11 57		n.a.
M24	19 51	13 42	5 16	25 1	2 0	5 6	2 23	16 21	1 6	2 53	1 25	11 53	2 17	23 19	0 12	13 10	1 27	29 34	6 0	14 47	14 31	11 58		n.a.
T 25	20 5	10 10	5 11	25 4	1 55	5 11	2 30	16 7	1 5	2 52	1 24	11 52	2 17	23 20	0 12	13 10	1 27	29 33	6 0	14 46	14 30	12 0		n.a.
W26	20 19	6 16	4 52	25 4	1 49	5 17	2 36	15 53	1 3	2 51	1 24	11 51	2 17	23 20	0 12	13 10	1 27	29 33	6 0	14 46	14 29	12 1		n.a.
T 27	20 32	2 12	4 19	25 3	1 42	5 24	2 42	15 39	1 2	2 50	1 24	11 49	2 17	23 20	0 12	13 10	1 26	29 33	6 0	14 46	14 28	12 3		n.a.
F 28	20 44	1s53	3 35	25 0	1 34	5 31	2 48	15 25	1 0	2 49	1 24	11 48	2 16	23 21	0 12	13 10	1 26	29 33	6 0	14 47	14 27	12 4		n.a.
S 29	20 57	5 51	2 43	24 55	1 25	5 40	2 54	15 10	0 59	2 48	1 23	11 47	2 16	23 21	0 12	13 9	1 26	29 33	6 0	14 47	14 26	12 6		n.a.
S 30	21s 9	9s35	1s44	24s48	1s14	5s49	2n59	14s56	0s57	2n48	1s23	11n46	2s16	23s21	0s13	13s 9	1s26	29s33	6s 0	14s48	14s25	12s 8		n.a.

Julian Day Number = 1559191.5, Delta T = 04h25m23s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'24, Lahiri = -10°05'23 Julian Calendar 1 Nov. 445 BCE == Greg. Calendar 27 Oct. 445 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 445 BCE
geocentric

DECEMBER 445 BCE (-444) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 18 5	4♐38'28	1♏55	23♐54	22♎23	23♒39	10°R 6	6°R34	17♐32	29♒28	6♑56	9♏23	8♏ 8	29♎28	n.a.	M 1
T 2	4 22 2	5°39'45	13°45	24°36	23° 3	24°19	10♈ 5	6♉30	17°36	29°28	6°58	9°R24	8° 4	29°35	n.a.	T 2
W 3	4 25 58	6°41'02	25°41	25°11	23°44	24°58	10° 3	6°26	17°39	29°29	6°59	9°22	8° 1	29°42	n.a.	W 3
T 4	4 29 55	7°42'19	7♐44	25°36	24°26	25°38	10° 2	6°22	17°43	29°30	7° 1	9°20	7°58	29°48	n.a.	T 4
F 5	4 33 51	8°43'36	19°58	25°51	25° 9	26°18	10° 0	6°18	17°46	29°30	7° 3	9°16	7°55	29°55	n.a.	F 5
S 6	4 37 48	9°44'53	2♑22	25°R55	25°53	26°57	9°59	6°14	17°50	29°31	7° 4	9°10	7°52	0♏ 2	n.a.	S 6
S 7	4 41 45	10°46'09	14°58	25°48	26°39	27°37	9°59	6°10	17°54	29°32	7° 6	9° 5	7°49	0° 8	n.a.	S 7
M 8	4 45 41	11°47'24	27°46	25°29	27°25	28°17	9°58	6° 7	17°57	29°32	7° 8	8°59	7°45	0°15	n.a.	M 8
T 9	4 49 38	12°48'39	10♒48	24°58	28°12	28°57	9°58	6° 3	18° 1	29°33	7° 9	8°54	7°42	0°21	n.a.	T 9
W10	4 53 34	13°49'53	24° 4	24°16	29° 0	29°37	9°D58	6° 0	18° 4	29°34	7°11	8°51	7°39	0°28	n.a.	W10
T 11	4 57 31	14°51'06	7♓36	23°23	29°49	0♓16	9°58	5°57	18° 8	29°35	7°13	8°49	7°36	0°35	n.a.	T 11
F 12	5 1 27	15°52'19	21°23	22°21	0♏39	0°56	9°58	5°54	18°11	29°36	7°15	8°D49	7°33	0°41	n.a.	F 12
S 13	5 5 24	16°53'30	5♈27	21°11	1°29	1°36	9°58	5°50	18°15	29°37	7°16	8°50	7°30	0°48	n.a.	S 13
S 14	5 9 20	17°54'41	19°47	19°56	2°21	2°16	9°59	5°47	18°19	29°38	7°18	8°52	7°26	0°55	n.a.	S 14
M15	5 13 17	18°55'51	4♉21	18°38	3°13	2°56	10° 0	5°44	18°22	29°39	7°20	8°R53	7°23	1° 1	n.a.	M15
T 16	5 17 14	19°57'00	19° 4	17°20	4° 6	3°36	10° 1	5°42	18°26	29°40	7°22	8°52	7°20	1° 8	n.a.	T 16
W17	5 21 10	20°58'08	3♊52	16° 3	4°59	4°16	10° 2	5°39	18°29	29°41	7°23	8°50	7°17	1°15	n.a.	W17
T 18	5 25 7	21°59'15	18°36	14°51	5°53	4°55	10° 4	5°36	18°33	29°42	7°25	8°46	7°14	1°21	n.a.	T 18
F 19	5 29 3	23° 0'21	3♋10	13°44	6°48	5°35	10° 6	5°34	18°36	29°43	7°27	8°39	7°10	1°28	n.a.	F 19
S 20	5 33 0	24° 1'27	17°25	12°45	7°43	6°15	10° 7	5°31	18°40	29°44	7°29	8°32	7° 7	1°35	n.a.	S 20
S 21	5 36 56	25° 2'32	1♌18	11°54	8°39	6°55	10°10	5°29	18°43	29°45	7°31	8°24	7° 4	1°41	n.a.	S 21
M22	5 40 53	26° 3'36	14°45	11°12	9°36	7°35	10°12	5°27	18°47	29°46	7°32	8°16	7° 1	1°48	n.a.	M22
T 23	5 44 50	27° 4'39	27°47	10°39	10°33	8°15	10°14	5°24	18°51	29°48	7°34	8°10	6°58	1°55	n.a.	T 23
W24	5 48 46	28° 5'42	10♍24	10°15	11°31	8°55	10°17	5°22	18°54	29°49	7°36	8° 7	6°55	2° 1	n.a.	W24
T 25	5 52 43	29° 6'43	22°41	10° 0	12°29	9°35	10°20	5°20	18°58	29°50	7°38	8° 5	6°51	2° 8	n.a.	T 25
F 26	5 56 39	0♑ 7'44	4♎43	9°D53	13°27	10°15	10°23	5°19	19° 1	29°52	7°40	8°D 4	6°48	2°14	n.a.	F 26
S 27	6 0 36	1° 8'44	16°35	9°54	14°27	10°55	10°26	5°17	19° 5	29°53	7°42	8° 5	6°45	2°21	n.a.	S 27
S 28	6 4 32	2° 9'44	28°21	10° 3	15°26	11°35	10°30	5°15	19° 8	29°54	7°43	8° 7	6°42	2°28	n.a.	S 28
M29	6 8 29	3°10'42	10♏ 9	10°19	16°26	12°15	10°33	5°14	19°12	29°56	7°45	8°R 7	6°39	2°34	n.a.	M29
T 30	6 12 25	4°11'39	22° 1	10°42	17°26	12°54	10°37	5°12	19°15	29°57	7°47	8° 6	6°36	2°41	n.a.	T 30
W31	6 16 22	5♑12'36	4♐ 3	11♐10	18♏27	13♓34	10♈41	5♉11	19♐19	29♒59	7♑49	8♏ 2	6♏32	2♏48	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	21s20	12s56	0s41	24s39	1s 3	5s59	3n 4	14s41	0s56	2n47	1s23	11n45	2s16	23s22	0s13	13s 9	1s26	29s33	6s 0	14s48	14s24	12s 9			n.a.
T 2	21 31	15 47	0n24	24 28	0 50	6 10	3 8	14 27	0 55	2 47	1 22	11 43	2 16	23 22	0 13	13 9	1 26	29 33	6 0	14 48	14 23	12 11			n.a.
W 3	21 42	18 0	1 28	24 16	0 36	6 21	3 12	14 12	0 53	2 47	1 22	11 42	2 15	23 22	0 13	13 9	1 26	29 33	6 0	14 48	14 22	12 12			n.a.
T 4	21 53	19 25	2 30	24 2	0 21	6 33	3 16	13 57	0 52	2 46	1 22	11 41	2 15	23 23	0 13	13 8	1 26	29 33	6 0	14 47	14 21	12 14			n.a.
F 5	22 2	19 58	3 25	23 46	0 5	6 45	3 20	13 42	0 50	2 46	1 21	11 40	2 15	23 23	0 13	13 8	1 26	29 32	6 0	14 46	14 20	12 15			n.a.
S 6	22 12	19 33	4 11	23 29	0n12	6 58	3 23	13 27	0 49	2 46	1 21	11 39	2 15	23 23	0 13	13 8	1 26	29 32	6 0	14 44	14 19	12 17			n.a.
S 7	22 21	18 10	4 45	23 10	0 31	7 12	3 26	13 12	0 48	2 46	1 21	11 38	2 15	23 24	0 13	13 7	1 26	29 32	6 0	14 42	14 18	12 18			n.a.
M 8	22 29	15 52	5 6	22 50	0 50	7 26	3 29	12 57	0 46	2 46	1 20	11 37	2 14	23 24	0 13	13 7	1 26	29 32	6 0	14 40	14 16	12 20			n.a.
T 9	22 38	12 45	5 12	22 30	1 9	7 41	3 32	12 41	0 45	2 46	1 20	11 36	2 14	23 24	0 13	13 7	1 26	29 32	6 0	14 39	14 15	12 22			n.a.
W10	22 45	8 56	5 1	22 8	1 29	7 56	3 34	12 26	0 44	2 47	1 20	11 35	2 14	23 25	0 13	13 6	1 26	29 32	6 0	14 38	14 14	12 23			n.a.
T 11	22 52	4 36	4 34	21 47	1 48	8 11	3 36	12 11	0 42	2 47	1 19	11 34	2 14	23 25	0 13	13 6	1 26	29 32	6 0	14 37	14 13	12 25			n.a.
F 12	22 59	0n 4	3 50	21 25	2 7	8 27	3 38	11 55	0 41	2 47	1 19	11 34	2 13	23 25	0 13	13 6	1 26	29 32	6 0	14 37	14 12	12 26			n.a.
S 13	23 5	4 49	2 52	21 3	2 24	8 43	3 39	11 39	0 40	2 48	1 19	11 33	2 13	23 26	0 13	13 5	1 26	29 32	6 0	14 38	14 11	12 28			n.a.
S 14	23 11	9 24	1 42	20 42	2 40	9 0	3 41	11 24	0 38	2 48	1 18	11 32	2 13	23 26	0 13	13 5	1 26	29 32	6 0	14 38	14 10	12 29			n.a.
M15	23 17	13 31	0 25	20 22	2 54	9 16	3 42	11 8	0 37	2 49	1 18	11 31	2 13	23 26	0 13	13 5	1 26	29 31	6 0	14 38	14 9	12 31			n.a.
T 16	23 22	16 50	0s55	20 3	3 6	9 33	3 43	10 52	0 36	2 50	1 18	11 31	2 12	23 27	0 13	13 4	1 26	29 31	6 0	14 38	14 8	12 32			n.a.
W17	23 26	19 2	2 12	19 46	3 15	9 51	3 43	10 37	0 35	2 51	1 17	11 30	2 12	23 27	0 13	13 4	1 26	29 31	6 0	14 38	14 7	12 34			n.a.
T 18	23 30	19 57	3 19	19 31	3 22	10 8	3 44	10 21	0 33	2 52	1 17	11 29	2 12	23 27	0 13	13 3	1 26	29 31	6 0	14 36	14 6	12 35			n.a.
F 19	23 34	19 31	4 12	19 19	3 27	10 26	3 44	10 5	0 32	2 53	1 17	11 29	2 12	23 28	0 13	13 3	1 26	29 31	6 0	14 34	14 5	12 37			n.a.
S 20	23 37	17 50	4 48	19 10	3 29	10 44	3 44	9 49	0 31	2 54	1 16	11 28	2 11	23 28	0 13	13 3	1 26	29 31	6 0	14 32	14 4	12 38			n.a.
S 21	23 39	15 9	5 6	19 3	3 29	11 2	3 44	9 33	0 30	2 55	1 16	11 28	2 11	23 28	0 13	13 2	1 26	29 31	6 0	14 29	14 3	12 40			n.a.
M22	23 41	11 44	5 7	18 59	3 27	11 20	3 44	9 16	0 29	2 56	1 16	11 27	2 11	23 29	0 13	13 2	1 25	29 31	6 0	14 27	14 2	12 41			n.a.
T 23	23 43	7 51	4 51	18 58	3 24	11 39	3 43	9 0	0 27	2 57	1 15	11 27	2 10	23 29	0 13	13 1	1 25	29 31	6 0	14 25	14 1	12 43			n.a.
W24	23 44	3 44	4 21	19 0	3 19	11 57	3 43	8 44	0 26	2 59	1 15	11 26	2 10	23 29	0 13	13 1	1 25	29 31	6 0	14 23	14 0	12 44			n.a.
T 25	23 45	0s26	3 40	19 4	3 13	12 15	3 42	8 28	0 25	3 0	1 15	11 26	2 10	23 30	0 13	13 0	1 25	29 31	6 0	14 23	13 59	12 46			n.a.
F 26	23 45	4 30	2 50	19 10	3 5	12 34	3 41	8 11	0 24	3 2	1 14	11 26	2 10	23 30	0 13	13 0	1 25	29 31	6 0	14 23	13 58	12 47			n.a.
S 27	23 44	8 20	1 54	19 18	2 57	12 53	3 40	7 55	0 23	3 3	1 14	11 25	2 9	23 30	0 13	12 59	1 25	29 31	6 0	14 23	13 57	12 49			n.a.
S 28	23 44	11 50	0 52	19 28	2 49	13 11	3 39	7 39	0 22	3 5	1 14	11 25	2 9	23 30	0 13	12 59	1 25	29 31	6 0	14 23	13 55	12 50			n.a.
M29	23 42	14 53	0n11	19 39	2 39	13 30	3 37	7 22	0 21	3 7	1 13	11 25	2 9	23 31	0 13	12 58	1 25	29 30	6 0	14 24	13 54	12 52			n.a.
T 30	23 41	17 19	1 14	19 52	2 30	13 48	3 36	7 6	0 19	3 8	1 13	11 25	2 9	23 31	0 13	12 58	1 25	29 30	6 0	14 23	13 53	12 53			n.a.
W31	23s39	19s 2	2n15	20s 6	2n20	14s 7	3n34	6s49	0s18	3n10	1s13	11n24	2s 8	23s31	0s13	12s57	1s25	29s30	6s 0	14s22	13s52	12s55			n.a.

Julian Day Number = 1559221.5, Delta T = 04h25m22s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'20, Lahiri = -10°05'19 Julian Calendar 1 Dec. 445 BCE == Greg. Calendar 26 Nov. 445 BCE

The year -444 astronomical counting style corresponds to year 445 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

JANUARY 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 20 19	6♑13'31	16♐17	11♐43	19♏28	14♓14	10♈46	5°R10	19♐22	0♓ 0	7♑51	7°R56	6♏29	2♏54	n.a.	T 1
F 2	6 24 15	7°14'25	28°45	12°22	20°30	14°54	10°50	5♉ 9	19°25	0° 2	7°53	7♏48	6°26	3° 1	n.a.	F 2
S 3	6 28 12	8°15'18	11♑27	13° 5	21°32	15°34	10°55	5° 8	19°29	0° 3	7°55	7°37	6°23	3° 8	n.a.	S 3
S 4	6 32 8	9°16'10	24°25	13°51	22°34	16°14	10°59	5° 7	19°32	0° 5	7°56	7°26	6°20	3°14	n.a.	S 4
M 5	6 36 5	10°17'00	7♒36	14°42	23°36	16°54	11° 4	5° 7	19°36	0° 6	7°58	7°14	6°16	3°21	n.a.	M 5
T 6	6 40 1	11°17'48	20°59	15°36	24°39	17°34	11° 9	5° 6	19°39	0° 8	8° 0	7° 4	6°13	3°28	n.a.	T 6
W 7	6 43 58	12°18'35	4♓33	16°33	25°42	18°14	11°15	5° 6	19°42	0°10	8° 2	6°56	6°10	3°34	n.a.	W 7
T 8	6 47 54	13°19'20	18°15	17°33	26°46	18°54	11°20	5° 5	19°46	0°11	8° 4	6°51	6° 7	3°41	n.a.	T 8
F 9	6 51 51	14°20'03	2♈ 6	18°36	27°49	19°34	11°26	5° 5	19°49	0°13	8° 6	6°49	6° 4	3°48	n.a.	F 9
S 10	6 55 48	15°20'44	16° 5	19°41	28°53	20°14	11°32	5° 5	19°52	0°15	8° 8	6°D48	6° 1	3°54	n.a.	S 10
S 11	6 59 44	16°21'24	0♉11	20°48	29°58	20°54	11°38	5°D 5	19°56	0°16	8° 9	6°R48	5°57	4° 1	n.a.	S 11
M12	7 3 41	17°22'02	14°23	21°58	1♐ 2	21°34	11°44	5° 5	19°59	0°18	8°11	6°48	5°54	4° 7	n.a.	M12
T 13	7 7 37	18°22'37	28°41	23° 9	2° 7	22°14	11°50	5° 5	20° 2	0°20	8°13	6°46	5°51	4°14	n.a.	T 13
W14	7 11 34	19°23'11	13♊ 1	24°22	3°12	22°54	11°57	5° 5	20° 6	0°22	8°15	6°42	5°48	4°21	n.a.	W14
T 15	7 15 30	20°23'44	27°19	25°37	4°17	23°33	12° 3	5° 6	20° 9	0°24	8°17	6°35	5°45	4°27	n.a.	T 15
F 16	7 19 27	21°24'14	11♋31	26°53	5°22	24°13	12°10	5° 6	20°12	0°25	8°19	6°25	5°42	4°34	n.a.	F 16
S 17	7 23 23	22°24'42	25°30	28°11	6°28	24°53	12°17	5° 7	20°15	0°27	8°20	6°13	5°38	4°41	n.a.	S 17
S 18	7 27 20	23°25'09	9♌12	29°31	7°34	25°33	12°24	5° 8	20°18	0°29	8°22	6° 1	5°35	4°47	n.a.	S 18
M19	7 31 17	24°25'34	22°33	0♑51	8°40	26°13	12°32	5° 9	20°21	0°31	8°24	5°49	5°32	4°54	n.a.	M19
T 20	7 35 13	25°25'58	5♍32	2°13	9°46	26°53	12°39	5°10	20°24	0°33	8°26	5°38	5°29	5° 1	n.a.	T 20
W21	7 39 10	26°26'19	18°10	3°37	10°53	27°33	12°47	5°11	20°27	0°35	8°28	5°31	5°26	5° 7	n.a.	W21
T 22	7 43 6	27°26'40	0♎29	5° 1	11°59	28°12	12°54	5°12	20°31	0°37	8°29	5°25	5°22	5°14	n.a.	T 22
F 23	7 47 3	28°26'58	12°33	6°27	13° 6	28°52	13° 2	5°14	20°34	0°39	8°31	5°23	5°19	5°21	n.a.	F 23
S 24	7 50 59	29°27'15	24°26	7°54	14°13	29°32	13°10	5°15	20°36	0°41	8°33	5°22	5°16	5°27	n.a.	S 24
S 25	7 54 56	0♒27'30	6♏14	9°22	15°20	0♈12	13°18	5°17	20°39	0°43	8°35	5°22	5°13	5°34	n.a.	S 25
M26	7 58 52	1°27'44	18° 2	10°51	16°27	0°51	13°27	5°18	20°42	0°45	8°36	5°22	5°10	5°40	n.a.	M26
T 27	8 2 49	2°27'56	29°57	12°22	17°35	1°31	13°35	5°20	20°45	0°47	8°38	5°20	5° 7	5°47	n.a.	T 27
W28	8 6 46	3°28'07	12♐ 2	13°53	18°43	2°11	13°44	5°22	20°48	0°49	8°40	5°16	5° 3	5°54	n.a.	W28
T 29	8 10 42	4°28'15	24°23	15°26	19°50	2°51	13°52	5°24	20°51	0°51	8°41	5° 9	5° 0	6° 0	n.a.	T 29
F 30	8 14 39	5°28'22	7♑ 2	16°59	20°58	3°30	14° 1	5°26	20°54	0°53	8°43	4°59	4°57	6° 7	n.a.	F 30
S 31	8 18 35	6♒28'27	20♑ 0	18♑34	22♐ 6	4♈10	14♈10	5♉28	20♐57	0♓55	8♑45	4♏47	4♏54	6♏14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23 s36	19 s53	3n10	20 s20	2n10	14 s25	3n32	6 s33	0 s17	3n12	1 s12	11n24	2 s 8	23 s32	0 s13	12 s56	1 s25	29 s30	6 s 0	14 s20	13 s51	12 s56			n.a.
F 2	23 33	19 48	3 57	20 35	2 0	14 43	3 30	6 16	0 16	3 14	1 12	11 24	2 8	23 32	0 13	12 56	1 25	29 30	6 0	14 17	13 50	12 58			n.a.
S 3	23 29	18 43	4 33	20 51	1 49	15 1	3 28	6 0	0 15	3 16	1 12	11 24	2 7	23 32	0 13	12 55	1 25	29 30	6 0	14 14	13 49	12 59			n.a.
S 4	23 25	16 39	4 56	21 7	1 39	15 19	3 26	5 43	0 14	3 19	1 11	11 24	2 7	23 32	0 13	12 55	1 25	29 30	6 1	14 10	13 48	13 1			n.a.
M 5	23 21	13 43	5 4	21 23	1 29	15 37	3 24	5 26	0 13	3 21	1 11	11 24	2 7	23 33	0 13	12 54	1 25	29 30	6 1	14 6	13 47	13 2			n.a.
T 6	23 16	10 2	4 55	21 39	1 19	15 55	3 22	5 9	0 12	3 23	1 11	11 24	2 6	23 33	0 13	12 53	1 25	29 30	6 1	14 3	13 46	13 4			n.a.
W 7	23 10	5 47	4 29	21 55	1 8	16 13	3 19	4 53	0 11	3 26	1 10	11 24	2 6	23 33	0 13	12 53	1 25	29 30	6 1	14 0	13 45	13 5			n.a.
T 8	23 4	1 12	3 48	22 11	0 58	16 30	3 17	4 36	0 10	3 28	1 10	11 25	2 6	23 34	0 13	12 52	1 25	29 30	6 1	13 59	13 44	13 7			n.a.
F 9	22 58	3n30	2 54	22 27	0 49	16 47	3 14	4 19	0 9	3 31	1 10	11 25	2 6	23 34	0 13	12 52	1 25	29 30	6 1	13 58	13 43	13 8			n.a.
S 10	22 51	8 4	1 48	22 42	0 39	17 4	3 11	4 3	0 8	3 33	1 9	11 25	2 5	23 34	0 13	12 51	1 25	29 30	6 1	13 57	13 42	13 10			n.a.
S 11	22 44	12 14	0 35	22 56	0 29	17 20	3 8	3 46	0 7	3 36	1 9	11 25	2 5	23 34	0 13	12 50	1 25	29 30	6 1	13 58	13 41	13 11			n.a.
M12	22 36	15 43	0 s40	23 10	0 20	17 37	3 5	3 29	0 6	3 39	1 9	11 26	2 5	23 35	0 13	12 50	1 25	29 30	6 1	13 58	13 40	13 12			n.a.
T 13	22 28	18 17	1 54	23 23	0 11	17 53	3 2	3 12	0 5	3 41	1 9	11 26	2 4	23 35	0 13	12 49	1 25	29 30	6 1	13 57	13 38	13 14			n.a.
W14	22 20	19 41	3 0	23 35	0 2	18 8	2 59	2 55	0 4	3 44	1 8	11 26	2 4	23 35	0 13	12 48	1 25	29 30	6 1	13 56	13 37	13 15			n.a.
T 15	22 11	19 49	3 54	23 47	0 s 6	18 24	2 56	2 38	0 3	3 47	1 8	11 27	2 4	23 35	0 13	12 48	1 25	29 30	6 2	13 53	13 36	13 17			n.a.
F 16	22 1	18 42	4 34	23 57	0 15	18 39	2 52	2 22	0 2	3 50	1 8	11 27	2 4	23 36	0 13	12 47	1 25	29 30	6 2	13 50	13 35	13 18			n.a.
S 17	21 51	16 28	4 56	24 7	0 23	18 53	2 49	2 5	0 2	3 53	1 7	11 28	2 3	23 36	0 13	12 46	1 25	29 30	6 2	13 46	13 34	13 20			n.a.
S 18	21 41	13 21	5 1	24 16	0 31	19 8	2 46	1 48	0 1	3 56	1 7	11 28	2 3	23 36	0 13	12 46	1 25	29 30	6 2	13 42	13 33	13 21			n.a.
M19	21 31	9 38	4 49	24 23	0 39	19 22	2 42	1 31	0n 0	3 59	1 7	11 29	2 3	23 36	0 13	12 45	1 25	29 30	6 2	13 38	13 32	13 22			n.a.
T 20	21 20	5 33	4 22	24 30	0 46	19 35	2 39	1 14	0 1	4 2	1 7	11 29	2 2	23 37	0 13	12 44	1 25	29 30	6 2	13 34	13 31	13 24			n.a.
W21	21 8	1 20	3 43	24 35	0 53	19 48	2 35	0 58	0 2	4 6	1 6	11 30	2 2	23 37	0 13	12 43	1 25	29 30	6 2	13 32	13 30	13 25			n.a.
T 22	20 56	2 s51	2 54	24 39	1 0	20 1	2 31	0 41	0 3	4 9	1 6	11 31	2 2	23 37	0 13	12 43	1 25	29 30	6 2	13 30	13 29	13 27			n.a.
F 23	20 44	6 49	1 58	24 42	1 7	20 13	2 28	0 24	0 4	4 12	1 6	11 32	2 1	23 37	0 13	12 42	1 25	29 30	6 2	13 29	13 28	13 28			n.a.
S 24	20 32	10 29	0 58	24 43	1 13	20 25	2 24	0 7	0 5	4 16	1 5	11 32	2 1	23 38	0 13	12 41	1 25	29 30	6 3	13 29	13 27	13 30			n.a.
S 25	20 19	13 42	0n 5	24 43	1 19	20 36	2 20	0n10	0 5	4 19	1 5	11 33	2 1	23 38	0 13	12 41	1 25	29 30	6 3	13 29	13 26	13 31			n.a.
M26	20 5	16 21	1 7	24 42	1 24	20 47	2 16	0 26	0 6	4 23	1 5	11 34	2 1	23 38	0 13	12 40	1 25	29 30	6 3	13 29	13 25	13 32			n.a.
T 27	19 52	18 20	2 6	24 39	1 30	20 58	2 12	0 43	0 7	4 26	1 5	11 35	2 0	23 38	0 13	12 39	1 25	29 30	6 3	13 28	13 23	13 34			n.a.
W28	19 38	19 32	3 1	24 35	1 35	21 8	2 9	1 0	0 8	4 30	1 4	11 36	2 0	23 38	0 13	12 38	1 25	29 30	6 3	13 27	13 22	13 35			n.a.
T 29	19 23	19 49	3 49	24 29	1 39	21 17	2 5	1 17	0 9	4 33	1 4	11 37	2 0	23 39	0 13	12 38	1 25	29 30	6 3	13 24	13 21	13 37			n.a.
F 30	19 9	19 8	4 26	24 22	1 44	21 26	2 1	1 33	0 10	4 37	1 4	11 38	1 59	23 39	0 13	12 37	1 24	29 30	6 3	13 21	13 20	13 38			n.a.
S 31	18 s54	17 s27	4n51	24 s13	1 s48	21 s34	1n57	1n50	0n10	4n41	1 s 4	11n39	1 s59	23 s39	0 s13	12 s36	1 s24	29 s30	6 s 4	13 s17	13 s19	13 s39			n.a.

Julian Day Number = 1559252.5, Delta T = 04h25m21s
Ecliptic obliquity = 23°44'48, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'15, Lahiri = -10°05'15 Julian Calendar 1 Jan. 444 BCE == Greg. Calendar 27 Dec. 445 BCE

The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

FEBRUARY 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 22 32	7♒28'30	3♒18	20♉10	23♐14	4♈50	14♈19	5♉31	20♐59	0♓57	8♉47	4°R34	4♏51	6♏20	n.a.	S 1
M 2	8 26 28	8°28'31	16°52	21°47	24°23	5°29	14°28	5°33	21° 2	0°59	8°48	4♏21	4°48	6°27	n.a.	M 2
T 3	8 30 25	9°28'30	0♓42	23°25	25°31	6° 9	14°38	5°36	21° 5	1° 2	8°50	4° 9	4°44	6°34	n.a.	T 3
W 4	8 34 21	10°28'27	14°41	25° 4	26°39	6°49	14°47	5°38	21° 7	1° 4	8°51	4° 0	4°41	6°40	n.a.	W 4
T 5	8 38 18	11°28'22	28°46	26°44	27°48	7°28	14°57	5°41	21°10	1° 6	8°53	3°53	4°38	6°47	n.a.	T 5
F 6	8 42 15	12°28'14	12♈54	28°26	28°57	8° 8	15° 6	5°44	21°12	1° 8	8°55	3°50	4°35	6°54	n.a.	F 6
S 7	8 46 11	13°28'04	27° 2	0♒ 8	0♉ 5	8°48	15°16	5°47	21°15	1°10	8°56	3°49	4°32	7° 0	n.a.	S 7
S 8	8 50 8	14°27'52	11♉ 9	1°52	1°14	9°27	15°26	5°50	21°17	1°12	8°58	3°49	4°28	7° 7	n.a.	S 8
M 9	8 54 4	15°27'37	25°13	3°37	2°23	10° 7	15°36	5°53	21°20	1°15	8°59	3°48	4°25	7°14	n.a.	M 9
T 10	8 58 1	16°27'20	9♊15	5°23	3°32	10°46	15°46	5°57	21°22	1°17	9° 1	3°47	4°22	7°20	n.a.	T 10
W11	9 1 57	17°27'00	23°12	7°10	4°42	11°26	15°57	6° 0	21°25	1°19	9° 2	3°43	4°19	7°27	n.a.	W11
T 12	9 5 54	18°26'38	7♋ 4	8°58	5°51	12° 5	16° 7	6° 3	21°27	1°21	9° 4	3°36	4°16	7°33	n.a.	T 12
F 13	9 9 50	19°26'14	20°48	10°48	7° 0	12°45	16°17	6° 7	21°29	1°24	9° 5	3°26	4°13	7°40	n.a.	F 13
S 14	9 13 47	20°25'47	4♌22	12°39	8°10	13°24	16°28	6°11	21°31	1°26	9° 7	3°15	4° 9	7°47	n.a.	S 14
S 15	9 17 43	21°25'18	17°42	14°31	9°19	14° 4	16°39	6°15	21°34	1°28	9° 8	3° 3	4° 6	7°53	n.a.	S 15
M16	9 21 40	22°24'47	0♍46	16°24	10°29	14°43	16°49	6°18	21°36	1°30	9°10	2°51	4° 3	8° 0	n.a.	M16
T 17	9 25 37	23°24'14	13°34	18°19	11°39	15°22	17° 0	6°22	21°38	1°32	9°11	2°41	4° 0	8° 7	n.a.	T 17
W18	9 29 33	24°23'39	26° 4	20°15	12°48	16° 2	17°11	6°26	21°40	1°35	9°13	2°33	3°57	8°13	n.a.	W18
T 19	9 33 30	25°23'02	8♎19	22°11	13°58	16°41	17°22	6°30	21°42	1°37	9°14	2°27	3°53	8°20	n.a.	T 19
F 20	9 37 26	26°22'22	20°21	24° 9	15° 8	17°21	17°33	6°35	21°44	1°39	9°15	2°25	3°50	8°27	n.a.	F 20
S 21	9 41 23	27°21'41	2♏14	26° 9	16°18	18° 0	17°45	6°39	21°46	1°42	9°17	2°D24	3°47	8°33	n.a.	S 21
S 22	9 45 19	28°20'58	14° 2	28° 9	17°28	18°39	17°56	6°43	21°48	1°44	9°18	2°24	3°44	8°40	n.a.	S 22
M23	9 49 16	29°20'13	25°51	0♓10	18°38	19°19	18° 7	6°48	21°50	1°46	9°19	2°R25	3°41	8°47	n.a.	M23
T 24	9 53 12	0♓19'27	7♐46	2°11	19°48	19°58	18°19	6°53	21°52	1°48	9°21	2°25	3°38	8°53	n.a.	T 24
W25	9 57 9	1°18'38	19°53	4°14	20°59	20°37	18°30	6°57	21°53	1°51	9°22	2°23	3°34	9° 0	n.a.	W25
T 26	10 1 6	2°17'48	2♉16	6°17	22° 9	21°16	18°42	7° 2	21°55	1°53	9°23	2°19	3°31	9° 6	n.a.	T 26
F 27	10 5 2	3°16'55	14°59	8°20	23°19	21°56	18°54	7° 7	21°57	1°55	9°25	2°12	3°28	9°13	n.a.	F 27
S 28	10 8 59	4♓16'01	28♉ 5	10♓23	24♉30	22♈35	19♈ 6	7♉12	21♐59	1♓57	9♉26	2♏ 4	3♏25	9♏20	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	18s38	14s48	5n 0	24s 3	1s51	21s42	1n53	2n 7	0n11	4n45	1s 3	11n40	1s59	23s39	0s13	12s35	1s24	29s30	6s 4	13s12	13s18	13s41			n.a.
M 2	18 23	11 19	4 53	23 51	1 55	21 49	1 49	2 23	0 12	4 48	1 3	11 41	1 58	23 40	0 13	12 34	1 24	29 30	6 4	13 8	13 17	13 42			n.a.
T 3	18 7	7 10	4 29	23 37	1 58	21 56	1 44	2 40	0 13	4 52	1 3	11 42	1 58	23 40	0 13	12 34	1 24	29 30	6 4	13 4	13 16	13 43			n.a.
W 4	17 50	2 36	3 49	23 22	2 0	22 2	1 40	2 57	0 13	4 56	1 3	11 43	1 58	23 40	0 13	12 33	1 24	29 30	6 4	13 1	13 15	13 45			n.a.
T 5	17 34	2n10	2 54	23 4	2 2	22 7	1 36	3 13	0 14	5 0	1 2	11 44	1 58	23 40	0 13	12 32	1 24	29 30	6 4	12 59	13 14	13 46			n.a.
F 6	17 17	6 49	1 48	22 46	2 4	22 12	1 32	3 30	0 15	5 4	1 2	11 46	1 57	23 40	0 13	12 31	1 24	29 30	6 4	12 57	13 13	13 48			n.a.
S 7	17 0	11 6	0 36	22 25	2 5	22 17	1 28	3 46	0 16	5 8	1 2	11 47	1 57	23 41	0 13	12 31	1 24	29 30	6 5	12 57	13 12	13 49			n.a.
S 8	16 42	14 45	0s39	22 2	2 6	22 20	1 24	4 3	0 16	5 12	1 2	11 48	1 57	23 41	0 13	12 30	1 24	29 30	6 5	12 57	13 11	13 50			n.a.
M 9	16 24	17 31	1 51	21 38	2 6	22 24	1 20	4 19	0 17	5 17	1 1	11 49	1 57	23 41	0 13	12 29	1 24	29 30	6 5	12 57	13 9	13 52			n.a.
T 10	16 6	19 13	2 56	21 12	2 6	22 26	1 16	4 35	0 18	5 21	1 1	11 51	1 56	23 41	0 13	12 28	1 24	29 30	6 5	12 56	13 8	13 53			n.a.
W11	15 48	19 44	3 50	20 44	2 6	22 28	1 12	4 52	0 19	5 25	1 1	11 52	1 56	23 41	0 13	12 27	1 24	29 30	6 5	12 55	13 7	13 54			n.a.
T 12	15 30	19 3	4 30	20 15	2 4	22 29	1 8	5 8	0 19	5 29	1 1	11 54	1 56	23 41	0 13	12 27	1 24	29 31	6 5	12 53	13 6	13 56			n.a.
F 13	15 11	17 16	4 54	19 43	2 3	22 30	1 3	5 24	0 20	5 33	1 1	11 55	1 55	23 42	0 13	12 26	1 24	29 31	6 6	12 49	13 5	13 57			n.a.
S 14	14 52	14 32	5 2	19 10	2 1	22 30	0 59	5 40	0 21	5 38	1 0	11 57	1 55	23 42	0 13	12 25	1 24	29 31	6 6	12 45	13 4	13 58			n.a.
S 15	14 33	11 6	4 52	18 34	1 58	22 30	0 55	5 57	0 21	5 42	1 0	11 58	1 55	23 42	0 13	12 24	1 24	29 31	6 6	12 41	13 3	14 0			n.a.
M16	14 13	7 11	4 27	17 57	1 55	22 29	0 51	6 13	0 22	5 46	1 0	12 0	1 55	23 42	0 13	12 23	1 24	29 31	6 6	12 37	13 2	14 1			n.a.
T 17	13 53	3 1	3 49	17 18	1 52	22 27	0 47	6 29	0 23	5 51	1 0	12 1	1 54	23 42	0 13	12 22	1 24	29 31	6 6	12 33	13 1	14 2			n.a.
W18	13 34	1s11	3 1	16 37	1 47	22 24	0 43	6 45	0 23	5 55	0 59	12 3	1 54	23 42	0 14	12 22	1 24	29 31	6 7	12 31	13 0	14 4			n.a.
T 19	13 13	5 15	2 5	15 54	1 43	22 21	0 39	7 1	0 24	6 0	0 59	12 4	1 54	23 42	0 14	12 21	1 24	29 31	6 7	12 29	12 59	14 5			n.a.
F 20	12 53	9 2	1 4	15 10	1 37	22 17	0 35	7 16	0 25	6 4	0 59	12 6	1 54	23 43	0 14	12 20	1 24	29 31	6 7	12 28	12 58	14 6			n.a.
S 21	12 33	12 25	0 1	14 24	1 32	22 13	0 31	7 32	0 25	6 9	0 59	12 8	1 53	23 43	0 14	12 19	1 24	29 31	6 7	12 28	12 56	14 8			n.a.
S 22	12 12	15 16	1n 2	13 36	1 25	22 8	0 27	7 48	0 26	6 13	0 59	12 9	1 53	23 43	0 14	12 18	1 24	29 31	6 7	12 28	12 55	14 9			n.a.
M23	11 51	17 29	2 2	12 46	1 18	22 3	0 24	8 4	0 27	6 18	0 58	12 11	1 53	23 43	0 14	12 18	1 24	29 31	6 8	12 28	12 54	14 10			n.a.
T 24	11 30	18 58	2 58	11 55	1 10	21 56	0 20	8 19	0 27	6 22	0 58	12 13	1 53	23 43	0 14	12 17	1 24	29 32	6 8	12 28	12 53	14 12			n.a.
W25	11 9	19 36	3 46	11 3	1 2	21 49	0 16	8 35	0 28	6 27	0 58	12 15	1 52	23 43	0 14	12 16	1 24	29 32	6 8	12 27	12 52	14 13			n.a.
T 26	10 47	19 19	4 25	10 9	0 54	21 42	0 12	8 50	0 28	6 32	0 58	12 16	1 52	23 43	0 14	12 15	1 24	29 32	6 8	12 26	12 51	14 14			n.a.
F 27	10 26	18 4	4 52	9 14	0 44	21 34	0 8	9 6	0 29	6 36	0 58	12 18	1 52	23 44	0 14	12 14	1 24	29 32	6 8	12 24	12 50	14 16			n.a.
S 28	10s 4	15s50	5n 5	8s18	0s35	21s25	0n 5	9n21	0n30	6n41	0s57	12n20	1s52	23s44	0s14	12s13	1s24	29s32	6s 9	12s21	12s49	14s17			n.a.

Julian Day Number = 1559283.5, Delta T = 04h25m20s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'11, Lahiri = -10°05'11 Julian Calendar 1 Feb. 444 BCE == Greg. Calendar 27 Jan. 444 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

MARCH 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 12 55	5♓15'04	11♒35	12♓27	25♉40	23♈14	19♈17	7♉17	22♐ 0	2♓ 0	9♉27	1°R55	3♏22	9♏26	n.a.	S 1
M 2	10 16 52	6°14'06	25°27	14°29	26°51	23°53	19°29	7°22	22° 2	2° 2	9°28	1♏45	3°19	9°33	n.a.	M 2
T 3	10 20 48	7°13'05	9♓38	16°31	28° 1	24°32	19°41	7°27	22° 3	2° 4	9°29	1°37	3°15	9°40	n.a.	T 3
W 4	10 24 45	8°12'03	24° 2	18°32	29°12	25°12	19°54	7°32	22° 5	2° 6	9°30	1°30	3°12	9°46	n.a.	W 4
T 5	10 28 41	9°10'58	8♈34	20°31	0♒23	25°51	20° 6	7°37	22° 6	2° 9	9°31	1°25	3° 9	9°53	n.a.	T 5
F 6	10 32 38	10° 9'50	23° 7	22°29	1°34	26°30	20°18	7°43	22° 7	2°11	9°33	1°23	3° 6	10° 0	n.a.	F 6
S 7	10 36 34	11° 8'41	7♉35	24°24	2°44	27° 9	20°30	7°48	22° 9	2°13	9°34	1°D23	3° 3	10° 6	n.a.	S 7
S 8	10 40 31	12° 7'29	21°56	26°17	3°55	27°48	20°43	7°54	22°10	2°15	9°35	1°24	2°59	10°13	n.a.	S 8
M 9	10 44 28	13° 6'15	6♊ 6	28° 7	5° 6	28°27	20°55	7°59	22°11	2°18	9°36	1°25	2°56	10°20	n.a.	M 9
T 10	10 48 24	14° 4'58	20° 5	29°54	6°17	29° 6	21° 8	8° 5	22°12	2°20	9°37	1°R25	2°53	10°26	n.a.	T 10
W11	10 52 21	15° 3'40	3♋52	1♈37	7°28	29°45	21°20	8°11	22°14	2°22	9°38	1°23	2°50	10°33	n.a.	W11
T 12	10 56 17	16° 2'18	17°26	3°16	8°39	0♉24	21°33	8°17	22°15	2°24	9°38	1°20	2°47	10°40	n.a.	T 12
F 13	11 0 14	17° 0'55	0♌48	4°52	9°50	1° 3	21°46	8°23	22°16	2°27	9°39	1°14	2°44	10°46	n.a.	F 13
S 14	11 4 10	17°59'29	13°57	6°22	11° 1	1°42	21°58	8°29	22°17	2°29	9°40	1° 7	2°40	10°53	n.a.	S 14
S 15	11 8 7	18°58'00	26°54	7°49	12°12	2°21	22°11	8°35	22°17	2°31	9°41	1° 0	2°37	10°59	n.a.	S 15
M16	11 12 3	19°56'30	9♍37	9°10	13°23	3° 0	22°24	8°41	22°18	2°33	9°42	0°53	2°34	11° 6	n.a.	M16
T 17	11 16 0	20°54'58	22° 7	10°27	14°34	3°39	22°37	8°47	22°19	2°35	9°43	0°47	2°31	11°13	n.a.	T 17
W18	11 19 56	21°53'23	4♎25	11°38	15°46	4°18	22°50	8°53	22°20	2°38	9°44	0°42	2°28	11°19	n.a.	W18
T 19	11 23 53	22°51'47	16°31	12°44	16°57	4°57	23° 3	8°59	22°21	2°40	9°44	0°39	2°24	11°26	n.a.	T 19
F 20	11 27 50	23°50'09	28°28	13°45	18° 8	5°36	23°16	9° 6	22°21	2°42	9°45	0°D38	2°21	11°33	n.a.	F 20
S 21	11 31 46	24°48'29	10♏19	14°41	19°19	6°14	23°29	9°12	22°22	2°44	9°46	0°38	2°18	11°39	n.a.	S 21
S 22	11 35 43	25°46'47	22° 7	15°31	20°31	6°53	23°42	9°18	22°23	2°46	9°46	0°40	2°15	11°46	n.a.	S 22
M23	11 39 39	26°45'04	3♐56	16°16	21°42	7°32	23°55	9°25	22°23	2°48	9°47	0°42	2°12	11°53	n.a.	M23
T 24	11 43 36	27°43'19	15°51	16°55	22°54	8°11	24° 8	9°31	22°24	2°50	9°48	0°43	2° 9	11°59	n.a.	T 24
W25	11 47 32	28°41'33	27°57	17°28	24° 5	8°50	24°22	9°38	22°24	2°52	9°48	0°R44	2° 5	12° 6	n.a.	W25
T 26	11 51 29	29°39'44	10♑19	17°56	25°16	9°28	24°35	9°45	22°24	2°55	9°49	0°43	2° 2	12°13	n.a.	T 26
F 27	11 55 25	0♈37'55	23° 0	18°18	26°28	10° 7	24°48	9°51	22°25	2°57	9°49	0°41	1°59	12°19	n.a.	F 27
S 28	11 59 22	1°36'03	6♒ 6	18°34	27°40	10°46	25° 2	9°58	22°25	2°59	9°50	0°38	1°56	12°26	n.a.	S 28
S 29	12 3 19	2°34'10	19°38	18°45	28°51	11°25	25°15	10° 5	22°25	3° 1	9°51	0°34	1°53	12°33	n.a.	S 29
M30	12 7 15	3°32'16	3♓36	18°R50	0♓ 3	12° 3	25°29	10°12	22°25	3° 3	9°51	0°30	1°50	12°39	n.a.	M30
T 31	12 11 12	4♈30'20	17♓57	18♈50	1♓14	12♉42	25♈42	10♉19	22♐25	3♓ 5	9♉51	0♏27	1♏46	12♏46	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	9s42	12s43	5n 1	7s21	0s24	21s16	0n 1	9n36	0n30	6n46	0s57	12n22	1s51	23s44	0s14	12s13	1s24	29s32	6s 9	12s17	12s48	14s18		n.a.	S 1
M 2	9 20	8 49	4 40	6 24	0 14	21 6	0s 3	9 52	0 31	6 51	0 57	12 24	1 51	23 44	0 14	12 12	1 24	29 32	6 9	12 14	12 47	14 20		n.a.	M 2
T 3	8 58	4 20	4 1	5 26	0 3	20 55	0 6	10 7	0 31	6 55	0 57	12 26	1 51	23 44	0 14	12 11	1 24	29 32	6 9	12 11	12 45	14 21		n.a.	T 3
W 4	8 36	0n27	3 7	4 28	0n 8	20 44	0 10	10 22	0 32	7 0	0 57	12 28	1 51	23 44	0 14	12 10	1 24	29 32	6 9	12 9	12 44	14 22		n.a.	W 4
T 5	8 14	5 16	2 0	3 30	0 20	20 32	0 13	10 37	0 33	7 5	0 57	12 30	1 50	23 44	0 14	12 9	1 25	29 33	6 10	12 7	12 43	14 23		n.a.	T 5
F 6	7 51	9 47	0 44	2 32	0 32	20 20	0 16	10 52	0 33	7 10	0 56	12 32	1 50	23 44	0 14	12 9	1 25	29 33	6 10	12 6	12 42	14 25		n.a.	F 6
S 7	7 29	13 42	0s33	1 35	0 43	20 7	0 20	11 7	0 34	7 15	0 56	12 34	1 50	23 44	0 14	12 8	1 25	29 33	6 10	12 6	12 41	14 26		n.a.	S 7
S 8	7 6	16 44	1 49	0 39	0 55	19 54	0 23	11 21	0 34	7 19	0 56	12 36	1 50	23 45	0 14	12 7	1 25	29 33	6 10	12 7	12 40	14 27		n.a.	S 8
M 9	6 43	18 43	2 56	0n16	1 7	19 40	0 26	11 36	0 35	7 24	0 56	12 38	1 49	23 45	0 14	12 6	1 25	29 33	6 11	12 7	12 39	14 29		n.a.	M 9
T 10	6 20	19 30	3 52	1 9	1 18	19 25	0 30	11 51	0 35	7 29	0 56	12 40	1 49	23 45	0 14	12 5	1 25	29 33	6 11	12 7	12 38	14 30		n.a.	T 10
W11	5 58	19 7	4 34	2 1	1 30	19 10	0 33	12 5	0 36	7 34	0 55	12 42	1 49	23 45	0 14	12 5	1 25	29 33	6 11	12 6	12 37	14 31		n.a.	W11
T 12	5 35	17 38	5 0	2 51	1 41	18 54	0 36	12 20	0 36	7 39	0 55	12 44	1 49	23 45	0 14	12 4	1 25	29 34	6 11	12 5	12 36	14 32		n.a.	T 12
F 13	5 11	15 13	5 9	3 39	1 52	18 38	0 39	12 34	0 37	7 44	0 55	12 46	1 49	23 45	0 14	12 3	1 25	29 34	6 11	12 3	12 34	14 34		n.a.	F 13
S 14	4 48	12 3	5 1	4 25	2 2	18 22	0 42	12 48	0 37	7 49	0 55	12 48	1 48	23 45	0 14	12 2	1 25	29 34	6 12	12 1	12 33	14 35		n.a.	S 14
S 15	4 25	8 21	4 38	5 9	2 11	18 4	0 45	13 2	0 38	7 54	0 55	12 50	1 48	23 45	0 14	12 1	1 25	29 34	6 12	11 58	12 32	14 36		n.a.	S 15
M16	4 2	4 20	4 2	5 49	2 20	17 47	0 48	13 16	0 38	7 59	0 55	12 52	1 48	23 45	0 14	12 1	1 25	29 34	6 12	11 56	12 31	14 37		n.a.	M16
T 17	3 39	0 12	3 14	6 28	2 29	17 28	0 50	13 30	0 39	8 4	0 55	12 55	1 48	23 45	0 14	12 0	1 25	29 34	6 12	11 53	12 30	14 39		n.a.	T 17
W18	3 15	3s53	2 18	7 3	2 36	17 10	0 53	13 44	0 39	8 9	0 54	12 57	1 48	23 45	0 14	11 59	1 25	29 35	6 13	11 52	12 29	14 40		n.a.	W18
T 19	2 52	7 45	1 16	7 36	2 43	16 50	0 56	13 58	0 40	8 14	0 54	12 59	1 47	23 45	0 14	11 58	1 25	29 35	6 13	11 51	12 28	14 41		n.a.	T 19
F 20	2 29	11 15	0 12	8 5	2 49	16 31	0 58	14 11	0 40	8 19	0 54	13 1	1 47	23 45	0 14	11 58	1 25	29 35	6 13	11 50	12 27	14 42		n.a.	F 20
S 21	2 5	14 16	0n53	8 32	2 54	16 11	1 1	14 25	0 41	8 24	0 54	13 3	1 47	23 46	0 14	11 57	1 25	29 35	6 13	11 51	12 26	14 44		n.a.	S 21
S 22	1 42	16 41	1 55	8 55	2 58	15 50	1 3	14 38	0 41	8 29	0 54	13 6	1 47	23 46	0 14	11 56	1 25	29 35	6 14	11 51	12 25	14 45		n.a.	S 22
M23	1 18	18 23	2 52	9 15	3 1	15 29	1 5	14 52	0 42	8 34	0 54	13 8	1 47	23 46	0 14	11 55	1 25	29 36	6 14	11 52	12 23	14 46		n.a.	M23
T 24	0 55	19 18	3 43	9 32	3 3	15 8	1 8	15 5	0 42	8 39	0 53	13 10	1 46	23 46	0 14	11 55	1 25	29 36	6 14	11 52	12 22	14 47		n.a.	T 24
W25	0 32	19 20	4 24	9 46	3 4	14 46	1 10	15 18	0 43	8 44	0 53	13 12	1 46	23 46	0 14	11 54	1 25	29 36	6 14	11 52	12 21	14 49		n.a.	W25
T 26	0 8	18 27	4 54	9 57	3 4	14 23	1 12	15 31	0 43	8 49	0 53	13 15	1 46	23 46	0 14	11 53	1 25	29 36	6 15	11 52	12 20	14 50		n.a.	T 26
F 27	0n15	16 39	5 11	10 4	3 2	14 1	1 14	15 44	0 44	8 54	0 53	13 17	1 46	23 46	0 14	11 52	1 25	29 36	6 15	11 52	12 19	14 51		n.a.	F 27
S 28	0 39	13 57	5 12	10 8	3 0	13 38	1 16	15 56	0 44	8 59	0 53	13 19	1 46	23 46	0 14	11 52	1 25	29 37	6 15	11 51	12 18	14 52		n.a.	S 28
S 29	1 2	10 26	4 57	10 8	2 56	13 14	1 18	16 9	0 44	9 4	0 53	13 22	1 46	23 46	0 14	11 51	1 25	29 37	6 15	11 49	12 17	14 53		n.a.	S 29
M30	1 25	6 14	4 23	10 6	2 50	12 51	1 20	16 22	0 45	9 10	0 53	13 24	1 45	23 46	0 14	11 50	1 25	29 37	6 15	11 48	12 16	14 55		n.a.	M30
T 31	1n49	1s34	3n33	10n 0	2n44	12s26	1s22	16n34	0n45	9n15	0s53	13n26	1s45	23s46	0s14	11s50	1s25	29s37	6s16	11s46	12s15	14s56		n.a.	T 31

Julian Day Number = 1559311.5, Delta T = 04h25m19s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'07, Lahiri = -10°05'07 Julian Calendar 1 March 444 BCE == Greg. Calendar 24 Feb. 444 BCE

The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

APRIL 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 15 8	5♈28'22	2♈37	18°R45	2♓26	13♉21	25♈56	10♉26	22♐26	3♓ 7	9♑52	0°R24	1♏43	12♏52	n.a.	W 1
T 2	12 19 5	6°26'22	17°29	18♈35	3°38	13°59	26° 9	10°33	22°R26	3° 9	9°52	0♏22	1°40	12°59	n.a.	T 2
F 3	12 23 1	7°24'21	2♉25	18°20	4°49	14°38	26°23	10°40	22°26	3°11	9°53	0°D22	1°37	13° 6	n.a.	F 3
S 4	12 26 58	8°22'18	17°17	18° 1	6° 1	15°17	26°36	10°47	22°25	3°13	9°53	0°22	1°34	13°12	n.a.	S 4
S 5	12 30 54	9°20'13	1♊59	17°37	7°13	15°55	26°50	10°54	22°25	3°15	9°53	0°24	1°30	13°19	n.a.	S 5
M 6	12 34 51	10°18'06	16°25	17°11	8°25	16°34	27° 4	11° 1	22°25	3°16	9°54	0°25	1°27	13°26	n.a.	M 6
T 7	12 38 48	11°15'58	0♋32	16°41	9°37	17°12	27°17	11° 8	22°25	3°18	9°54	0°26	1°24	13°32	n.a.	T 7
W 8	12 42 44	12°13'47	14°19	16° 9	10°48	17°51	27°31	11°16	22°25	3°20	9°54	0°R26	1°21	13°39	n.a.	W 8
T 9	12 46 41	13°11'34	27°47	15°35	12° 0	18°29	27°45	11°23	22°24	3°22	9°54	0°26	1°18	13°46	n.a.	T 9
F 10	12 50 37	14° 9'20	10♌57	14°59	13°12	19° 8	27°59	11°30	22°24	3°24	9°54	0°24	1°15	13°52	n.a.	F 10
S 11	12 54 34	15° 7'04	23°50	14°23	14°24	19°47	28°12	11°37	22°24	3°26	9°55	0°22	1°11	13°59	n.a.	S 11
S 12	12 58 30	16° 4'46	6♍27	13°47	15°36	20°25	28°26	11°45	22°23	3°27	9°55	0°20	1° 8	14° 6	n.a.	S 12
M13	13 2 27	17° 2'26	18°52	13°12	16°48	21° 3	28°40	11°52	22°23	3°29	9°55	0°18	1° 5	14°12	n.a.	M13
T 14	13 6 23	18° 0'05	1♎ 6	12°38	18° 0	21°42	28°54	12° 0	22°22	3°31	9°55	0°17	1° 2	14°19	n.a.	T 14
W15	13 10 20	18°57'43	13°11	12° 5	19°12	22°20	29° 8	12° 7	22°21	3°33	9°55	0°16	0°59	14°26	n.a.	W15
T 16	13 14 16	19°55'18	25° 8	11°35	20°24	22°59	29°22	12°15	22°21	3°34	9°R55	0°D15	0°55	14°32	n.a.	T 16
F 17	13 18 13	20°52'53	6♏59	11° 8	21°36	23°37	29°35	12°22	22°20	3°36	9°55	0°15	0°52	14°39	n.a.	F 17
S 18	13 22 10	21°50'26	18°48	10°44	22°48	24°16	29°49	12°30	22°19	3°38	9°55	0°16	0°49	14°45	n.a.	S 18
S 19	13 26 6	22°47'59	0♐36	10°24	24° 0	24°54	0♉ 3	12°37	22°18	3°39	9°55	0°16	0°46	14°52	n.a.	S 19
M20	13 30 3	23°45'30	12°27	10° 7	25°12	25°32	0°17	12°45	22°18	3°41	9°55	0°17	0°43	14°59	n.a.	M20
T 21	13 33 59	24°43'00	24°24	9°54	26°24	26°11	0°31	12°53	22°17	3°43	9°55	0°18	0°40	15° 5	n.a.	T 21
W22	13 37 56	25°40'29	6♑30	9°46	27°36	26°49	0°45	13° 0	22°16	3°44	9°54	0°18	0°36	15°12	n.a.	W22
T 23	13 41 52	26°37'57	18°51	9°D42	28°48	27°28	0°59	13° 8	22°15	3°46	9°54	0°18	0°33	15°19	n.a.	T 23
F 24	13 45 49	27°35'24	1♒31	9°43	0♈ 1	28° 6	1°13	13°16	22°14	3°47	9°54	0°R18	0°30	15°25	n.a.	F 24
S 25	13 49 45	28°32'50	14°32	9°48	1°13	28°44	1°27	13°23	22°13	3°49	9°54	0°18	0°27	15°32	n.a.	S 25
S 26	13 53 42	29°30'16	27°59	9°58	2°25	29°22	1°41	13°31	22°12	3°50	9°54	0°18	0°24	15°39	n.a.	S 26
M27	13 57 39	0♉27'40	11♓52	10°12	3°37	0♊ 1	1°55	13°39	22°10	3°52	9°53	0°D18	0°21	15°45	n.a.	M27
T 28	14 1 35	1°25'04	26°10	10°30	4°49	0°39	2° 9	13°47	22° 9	3°53	9°53	0°18	0°17	15°52	n.a.	T 28
W29	14 5 32	2°22'27	10♈52	10°53	6° 2	1°17	2°23	13°55	22° 8	3°55	9°53	0°18	0°14	15°59	n.a.	W29
T 30	14 9 28	3♉19'49	25♈51	11♈21	7♈14	1♊56	2♉37	14♉ 2	22♐ 7	3♓56	9♑52	0°R19	0♏11	16♏ 5	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n12	3n18	2n27	9n50	2n36	12s 2	1s23	16n46	0n46	9n20	0s52	13n29	1s45	23s46	0s14	11s49	1s25	29s37	6s16	11s45	12s13	14s57		n.a.
T 2	2 35	8 2	1 10	9 38	2 27	11 37	1 25	16 58	0 46	9 25	0 52	13 31	1 45	23 46	0 14	11 48	1 25	29 38	6 16	11 45	12 12	14 58		n.a.
F 3	2 59	12 17	0s11	9 23	2 17	11 12	1 26	17 11	0 47	9 30	0 52	13 33	1 45	23 46	0 14	11 47	1 25	29 38	6 16	11 45	12 11	15 0		n.a.
S 4	3 22	15 44	1 32	9 5	2 6	10 47	1 28	17 22	0 47	9 35	0 52	13 36	1 45	23 46	0 14	11 47	1 25	29 38	6 17	11 45	12 10	15 1		n.a.
S 5	3 45	18 7	2 46	8 45	1 53	10 21	1 29	17 34	0 47	9 40	0 52	13 38	1 44	23 46	0 14	11 46	1 25	29 38	6 17	11 45	12 9	15 2		n.a.
M 6	4 8	19 16	3 48	8 22	1 40	9 55	1 31	17 46	0 48	9 45	0 52	13 41	1 44	23 46	0 14	11 45	1 25	29 38	6 17	11 46	12 8	15 3		n.a.
T 7	4 31	19 10	4 34	7 57	1 25	9 29	1 32	17 57	0 48	9 50	0 52	13 43	1 44	23 46	0 14	11 45	1 25	29 39	6 17	11 46	12 7	15 4		n.a.
W 8	4 54	17 56	5 4	7 30	1 10	9 2	1 33	18 9	0 49	9 55	0 52	13 45	1 44	23 46	0 15	11 44	1 25	29 39	6 18	11 46	12 6	15 5		n.a.
T 9	5 16	15 43	5 16	7 2	0 54	8 36	1 34	18 20	0 49	10 0	0 51	13 48	1 44	23 46	0 15	11 43	1 25	29 39	6 18	11 46	12 4	15 7		n.a.
F 10	5 39	12 43	5 11	6 33	0 38	8 9	1 35	18 31	0 49	10 6	0 51	13 50	1 44	23 46	0 15	11 43	1 25	29 39	6 18	11 46	12 3	15 8		n.a.
S 11	6 2	9 11	4 50	6 4	0 21	7 41	1 36	18 42	0 50	10 11	0 51	13 53	1 43	23 46	0 15	11 42	1 25	29 40	6 18	11 45	12 2	15 9		n.a.
S 12	6 24	5 18	4 16	5 34	0 4	7 14	1 37	18 53	0 50	10 16	0 51	13 55	1 43	23 46	0 15	11 42	1 26	29 40	6 19	11 44	12 1	15 10		n.a.
M13	6 47	1 15	3 30	5 4	0s13	6 46	1 38	19 4	0 50	10 21	0 51	13 57	1 43	23 46	0 15	11 41	1 26	29 40	6 19	11 43	12 0	15 11		n.a.
T 14	7 9	2s48	2 35	4 35	0 30	6 18	1 38	19 14	0 51	10 26	0 51	14 0	1 43	23 46	0 15	11 40	1 26	29 40	6 19	11 43	11 59	15 13		n.a.
W15	7 31	6 42	1 33	4 7	0 47	5 50	1 39	19 25	0 51	10 31	0 51	14 2	1 43	23 46	0 15	11 40	1 26	29 41	6 19	11 43	11 58	15 14		n.a.
T 16	7 53	10 17	0 28	3 40	1 4	5 22	1 39	19 35	0 52	10 36	0 51	14 5	1 43	23 46	0 15	11 39	1 26	29 41	6 20	11 42	11 57	15 15		n.a.
F 17	8 15	13 26	0n37	3 15	1 19	4 54	1 40	19 45	0 52	10 41	0 51	14 7	1 43	23 46	0 15	11 39	1 26	29 41	6 20	11 42	11 56	15 16		n.a.
S 18	8 37	16 1	1 41	2 51	1 34	4 25	1 40	19 55	0 52	10 46	0 50	14 10	1 43	23 46	0 15	11 38	1 26	29 41	6 20	11 43	11 54	15 17		n.a.
S 19	8 59	17 55	2 41	2 30	1 49	3 57	1 40	20 5	0 53	10 51	0 50	14 12	1 42	23 46	0 15	11 37	1 26	29 42	6 20	11 43	11 53	15 18		n.a.
M20	9 20	19 3	3 34	2 11	2 2	3 28	1 41	20 15	0 53	10 56	0 50	14 14	1 42	23 46	0 15	11 37	1 26	29 42	6 21	11 43	11 52	15 19		n.a.
T 21	9 42	19 20	4 18	1 54	2 15	2 59	1 41	20 24	0 53	11 1	0 50	14 17	1 42	23 46	0 15	11 36	1 26	29 42	6 21	11 43	11 51	15 21		n.a.
W22	10 3	18 44	4 51	1 40	2 27	2 30	1 41	20 34	0 54	11 6	0 50	14 19	1 42	23 46	0 15	11 36	1 26	29 42	6 21	11 43	11 50	15 22		n.a.
T 23	10 24	17 15	5 12	1 29	2 38	2 1	1 41	20 43	0 54	11 11	0 50	14 22	1 42	23 46	0 15	11 35	1 26	29 43	6 21	11 43	11 49	15 23		n.a.
F 24	10 45	14 55	5 18	1 20	2 47	1 32	1 41	20 52	0 54	11 16	0 50	14 24	1 42	23 46	0 15	11 35	1 26	29 43	6 22	11 44	11 48	15 24		n.a.
S 25	11 6	11 46	5 8	1 14	2 56	1 3	1 41	21 1	0 55	11 21	0 50	14 27	1 42	23 46	0 15	11 34	1 26	29 43	6 22	11 43	11 47	15 25		n.a.
S 26	11 26	7 56	4 42	1 11	3 4	0 33	1 40	21 10	0 55	11 26	0 50	14 29	1 42	23 46	0 15	11 34	1 26	29 43	6 22	11 43	11 45	15 26		n.a.
M27	11 47	3 32	3 58	1 11	3 10	0 4	1 40	21 19	0 55	11 31	0 50	14 32	1 42	23 46	0 15	11 33	1 26	29 44	6 22	11 43	11 44	15 27		n.a.
T 28	12 7	1n11	2 59	1 13	3 16	0n25	1 40	21 27	0 56	11 36	0 50	14 34	1 41	23 46	0 15	11 33	1 26	29 44	6 23	11 43	11 43	15 28		n.a.
W29	12 27	5 59	1 46	1 18	3 20	0 55	1 39	21 36	0 56	11 41	0 50	14 36	1 41	23 45	0 15	11 32	1 26	29 44	6 23	11 44	11 42	15 30		n.a.
T 30	12n47	10n30	0n25	1n25	3s24	1n24	1s39	21n44	0n56	11n46	0s49	14n39	1s41	23s45	0s15	11s32	1s26	29s44	6s23	11s44	11s41	15s31		n.a.

Julian Day Number = 1559342.5, Delta T = 04h25m17s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°12'03, Lahiri = -10°05'03 Julian Calendar 1 Apr. 444 BCE == Greg. Calendar 27 March 444 BCE

The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

MAY 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 13 25	4♉17'10	11♉ 0	11♈52	8♈26	2♊34	2♉50	14♉10	22°R 5	3♓57	9°R52	0°R18	0♏ 8	16♏12	n.a.	F 1
S 2	14 17 21	5°14'30	26° 8	12°28	9°39	3°12	3° 4	14°18	22♐ 4	3°59	9♑52	0♏18	0° 5	16°19	n.a.	S 2
S 3	14 21 18	6°11'50	11♊ 8	13° 7	10°51	3°50	3°18	14°26	22° 3	4° 0	9°51	0°18	0° 1	16°25	n.a.	S 3
M 4	14 25 14	7° 9'08	25°51	13°51	12° 4	4°29	3°32	14°34	22° 1	4° 1	9°51	0°17	29♎58	16°32	n.a.	M 4
T 5	14 29 11	8° 6'25	10♋12	14°38	13°16	5° 7	3°46	14°42	22° 0	4° 2	9°50	0°16	29°55	16°39	n.a.	T 5
W 6	14 33 8	9° 3'41	24° 8	15°29	14°28	5°45	4° 0	14°49	21°58	4° 4	9°50	0°16	29°52	16°45	n.a.	W 6
T 7	14 37 4	10° 0'56	7♌38	16°24	15°41	6°23	4°14	14°57	21°57	4° 5	9°49	0°D15	29°49	16°52	n.a.	T 7
F 8	14 41 1	10°58'10	20°45	17°23	16°53	7° 2	4°28	15° 5	21°55	4° 6	9°49	0°16	29°46	16°58	n.a.	F 8
S 9	14 44 57	11°55'23	3♍30	18°24	18° 6	7°40	4°42	15°13	21°53	4° 7	9°48	0°16	29°42	17° 5	n.a.	S 9
S 10	14 48 54	12°52'34	15°58	19°30	19°18	8°18	4°56	15°21	21°52	4° 8	9°48	0°17	29°39	17°12	n.a.	S 10
M11	14 52 50	13°49'45	28°11	20°38	20°31	8°56	5° 9	15°29	21°50	4° 9	9°47	0°18	29°36	17°18	n.a.	M11
T 12	14 56 47	14°46'56	10♎13	21°50	21°43	9°34	5°23	15°37	21°48	4°10	9°46	0°19	29°33	17°25	n.a.	T 12
W13	15 0 43	15°44'05	22° 8	23° 5	22°56	10°12	5°37	15°45	21°46	4°11	9°46	0°20	29°30	17°32	n.a.	W13
T 14	15 4 40	16°41'14	3♏58	24°24	24° 8	10°50	5°51	15°53	21°45	4°12	9°45	0°R20	29°27	17°38	n.a.	T 14
F 15	15 8 37	17°38'22	15°47	25°45	25°21	11°29	6° 5	16° 1	21°43	4°13	9°44	0°20	29°23	17°45	n.a.	F 15
S 16	15 12 33	18°35'30	27°35	27°10	26°34	12° 7	6°18	16° 8	21°41	4°14	9°43	0°18	29°20	17°52	n.a.	S 16
S 17	15 16 30	19°32'37	9♐26	28°38	27°46	12°45	6°32	16°16	21°39	4°15	9°43	0°16	29°17	17°58	n.a.	S 17
M18	15 20 26	20°29'44	21°22	0♑ 9	28°59	13°23	6°46	16°24	21°37	4°16	9°42	0°13	29°14	18° 5	n.a.	M18
T 19	15 24 23	21°26'51	3♑24	1°43	0♑12	14° 1	7° 0	16°32	21°35	4°17	9°41	0° 9	29°11	18°12	n.a.	T 19
W20	15 28 19	22°23'58	15°37	3°20	1°24	14°39	7°13	16°40	21°33	4°17	9°40	0° 6	29° 7	18°18	n.a.	W20
T 21	15 32 16	23°21'05	28° 1	5° 0	2°37	15°17	7°27	16°48	21°31	4°18	9°39	0° 4	29° 4	18°25	n.a.	T 21
F 22	15 36 12	24°18'11	10♒41	6°43	3°50	15°55	7°40	16°56	21°29	4°19	9°39	0° 2	29° 1	18°32	n.a.	F 22
S 23	15 40 9	25°15'18	23°40	8°29	5° 3	16°33	7°54	17° 4	21°27	4°19	9°38	0°D 1	28°58	18°38	n.a.	S 23
S 24	15 44 6	26°12'24	7♓ 0	10°18	6°16	17°11	8° 8	17°11	21°25	4°20	9°37	0° 2	28°55	18°45	n.a.	S 24
M25	15 48 2	27° 9'31	20°43	12° 9	7°28	17°50	8°21	17°19	21°23	4°21	9°36	0° 3	28°52	18°52	n.a.	M25
T 26	15 51 59	28° 6'37	4♈52	14° 3	8°41	18°28	8°35	17°27	21°21	4°21	9°35	0° 4	28°48	18°58	n.a.	T 26
W27	15 55 55	29° 3'44	19°24	16° 0	9°54	19° 6	8°48	17°35	21°18	4°22	9°34	0° 5	28°45	19° 5	n.a.	W27
T 28	15 59 52	0♊ 0'51	4♉15	17°59	11° 7	19°44	9° 2	17°43	21°16	4°22	9°33	0°R 6	28°42	19°12	n.a.	T 28
F 29	16 3 48	0°57'59	19°21	20° 0	12°20	20°22	9°15	17°51	21°14	4°23	9°32	0° 4	28°39	19°18	n.a.	F 29
S 30	16 7 45	1°55'06	4♊32	22° 3	13°33	21° 0	9°28	17°58	21°12	4°23	9°31	0° 2	28°36	19°25	n.a.	S 30
S 31	16 11 42	2♊52'13	19♊39	24♉ 8	14♉46	21♊38	9♉42	18♉ 6	21♐10	4♓24	9♑30	29♎58	28♎32	19♏32	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	13n 7	14n23	0s59	1n35	3s27	1n53	1s38	21n52	0n56	11n51	0s49	14n41	1s41	23s45	0s15	11s31	1s26	29s45	6s23	11s44	11s40	15s32		n.a.	
S 2	13 26	17 17	2 19	1 47	3 29	2 23	1 37	22 0	0 57	11 55	0 49	14 44	1 41	23 45	0 15	11 31	1 26	29 45	6 24	11 43	11 39	15 33		n.a.	
S 3	13 45	18 58	3 28	2 2	3 30	2 52	1 37	22 7	0 57	12 0	0 49	14 46	1 41	23 45	0 15	11 31	1 26	29 45	6 24	11 43	11 37	15 34		n.a.	
M 4	14 5	19 19	4 22	2 19	3 30	3 21	1 36	22 15	0 57	12 5	0 49	14 49	1 41	23 45	0 15	11 30	1 27	29 45	6 24	11 43	11 36	15 35		n.a.	
T 5	14 23	18 23	4 58	2 38	3 29	3 51	1 35	22 22	0 58	12 10	0 49	14 51	1 41	23 45	0 15	11 30	1 27	29 46	6 24	11 43	11 35	15 36		n.a.	
W 6	14 42	16 23	5 16	3 0	3 27	4 20	1 34	22 29	0 58	12 15	0 49	14 53	1 41	23 45	0 15	11 29	1 27	29 46	6 24	11 43	11 34	15 37		n.a.	
T 7	15 0	13 31	5 15	3 23	3 25	4 49	1 33	22 36	0 58	12 20	0 49	14 56	1 41	23 45	0 15	11 29	1 27	29 46	6 25	11 42	11 33	15 38		n.a.	
F 8	15 19	10 4	4 58	3 49	3 21	5 18	1 32	22 43	0 58	12 24	0 49	14 58	1 41	23 45	0 15	11 29	1 27	29 47	6 25	11 42	11 32	15 40		n.a.	
S 9	15 36	6 13	4 26	4 16	3 17	5 47	1 31	22 50	0 59	12 29	0 49	15 1	1 40	23 45	0 15	11 28	1 27	29 47	6 25	11 43	11 31	15 41		n.a.	
S 10	15 54	2 12	3 42	4 45	3 13	6 16	1 30	22 56	0 59	12 34	0 49	15 3	1 40	23 45	0 15	11 28	1 27	29 47	6 25	11 43	11 30	15 42		n.a.	
M11	16 12	1s51	2 49	5 16	3 7	6 45	1 29	23 3	0 59	12 39	0 49	15 5	1 40	23 45	0 15	11 27	1 27	29 47	6 26	11 43	11 28	15 43		n.a.	
T 12	16 29	5 46	1 49	5 49	3 2	7 13	1 27	23 9	0 59	12 43	0 49	15 8	1 40	23 45	0 15	11 27	1 27	29 48	6 26	11 44	11 27	15 44		n.a.	
W13	16 46	9 26	0 45	6 23	2 55	7 42	1 26	23 15	1 0	12 48	0 49	15 10	1 40	23 44	0 15	11 27	1 27	29 48	6 26	11 44	11 26	15 45		n.a.	
T 14	17 2	12 41	0n20	6 59	2 48	8 10	1 25	23 21	1 0	12 53	0 48	15 12	1 40	23 44	0 15	11 27	1 27	29 48	6 26	11 44	11 25	15 46		n.a.	
F 15	17 19	15 26	1 24	7 36	2 40	8 38	1 23	23 26	1 0	12 57	0 48	15 15	1 40	23 44	0 15	11 26	1 27	29 48	6 27	11 44	11 24	15 47		n.a.	
S 16	17 35	17 31	2 25	8 14	2 32	9 6	1 22	23 32	1 0	13 2	0 48	15 17	1 40	23 44	0 15	11 26	1 27	29 49	6 27	11 43	11 23	15 48		n.a.	
S 17	17 51	18 52	3 20	8 54	2 23	9 34	1 20	23 37	1 1	13 7	0 48	15 19	1 40	23 44	0 15	11 26	1 27	29 49	6 27	11 43	11 22	15 49		n.a.	
M18	18 6	19 22	4 6	9 35	2 14	10 2	1 18	23 42	1 1	13 11	0 48	15 22	1 40	23 44	0 15	11 25	1 27	29 49	6 27	11 41	11 20	15 50		n.a.	
T 19	18 21	19 1	4 41	10 17	2 4	10 29	1 17	23 47	1 1	13 16	0 48	15 24	1 40	23 44	0 15	11 25	1 27	29 50	6 27	11 40	11 19	15 51		n.a.	
W20	18 36	17 46	5 5	11 0	1 54	10 57	1 15	23 52	1 1	13 20	0 48	15 26	1 40	23 44	0 15	11 25	1 27	29 50	6 28	11 39	11 18	15 52		n.a.	
T 21	18 51	15 41	5 15	11 44	1 44	11 24	1 13	23 57	1 2	13 25	0 48	15 29	1 40	23 44	0 15	11 25	1 27	29 50	6 28	11 38	11 17	15 53		n.a.	
F 22	19 5	12 49	5 9	12 28	1 33	11 50	1 11	24 1	1 2	13 29	0 48	15 31	1 40	23 43	0 15	11 24	1 28	29 50	6 28	11 38	11 16	15 54		n.a.	
S 23	19 19	9 16	4 49	13 13	1 22	12 17	1 10	24 5	1 2	13 34	0 48	15 33	1 40	23 43	0 15	11 24	1 28	29 51	6 28	11 37	11 15	15 55		n.a.	
S 24	19 33	5 10	4 12	13 58	1 11	12 43	1 8	24 9	1 2	13 38	0 48	15 35	1 40	23 43	0 15	11 24	1 28	29 51	6 28	11 38	11 14	15 57		n.a.	
M25	19 47	0 40	3 20	14 44	1 0	13 9	1 6	24 13	1 2	13 43	0 48	15 38	1 40	23 43	0 15	11 24	1 28	29 51	6 29	11 38	11 12	15 58		n.a.	
T 26	20 0	4n 0	2 14	15 30	0 48	13 34	1 4	24 17	1 3	13 47	0 48	15 40	1 40	23 43	0 15	11 24	1 28	29 51	6 29	11 38	11 11	15 59		n.a.	
W27	20 12	8 35	0 58	16 15	0 37	14 0	1 2	24 20	1 3	13 52	0 48	15 42	1 40	23 43	0 15	11 24	1 28	29 52	6 29	11 39	11 10	16 0		n.a.	
T 28	20 25	12 45	0s23	17 0	0 25	14 25	1 0	24 23	1 3	13 56	0 48	15 44	1 39	23 43	0 15	11 23	1 28	29 52	6 29	11 39	11 9	16 1		n.a.	
F 29	20 37	16 8	1 44	17 45	0 14	14 49	0 58	24 27	1 3	14 0	0 48	15 47	1 39	23 43	0 15	11 23	1 28	29 52	6 29	11 39	11 8	16 2		n.a.	
S 30	20 49	18 25	2 58	18 28	0 3	15 14	0 55	24 30	1 3	14 5	0 48	15 49	1 39	23 42	0 15	11 23	1 28	29 52	6 30	11 38	11 7	16 3		n.a.	
S 31	21n 0	19n22	3s59	19n11	0n 8	15n38	0s53	24n32	1n 4	14n 9	0s48	15n51	1s39	23s42	0s15	11s23	1s28	29s53	6s30	11s36	11s 6	16s 4		n.a.	

Julian Day Number = 1559372.5, Delta T = 04h25m16s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'59, Lahiri = -10°04'59 Julian Calendar 1 May 444 BCE == Greg. Calendar 26 Apr. 444 BCE

The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

JUNE 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 15 38	3♊49'21	4♋32	26♉15	15♉59	22♊16	9♉55	18♉14	21°R 7	4♓24	9°R29	29°R53	28♎29	19♏38	n.a.	M 1
T 2	16 19 35	4°46'28	19° 4	28°23	17°12	22°54	10° 8	18°21	21♐ 5	4°25	9♑28	29♎48	28°26	19°45	n.a.	T 2
W 3	16 23 31	5°43'35	3♌ 9	0♊31	18°25	23°32	10°21	18°29	21° 3	4°25	9°27	29°44	28°23	19°52	n.a.	W 3
T 4	16 27 28	6°40'42	16°46	2°41	19°38	24°10	10°35	18°37	21° 1	4°25	9°26	29°41	28°20	19°58	n.a.	T 4
F 5	16 31 24	7°37'49	29°55	4°50	20°51	24°48	10°48	18°44	20°58	4°26	9°25	29°39	28°17	20° 5	n.a.	F 5
S 6	16 35 21	8°34'55	12♍40	7° 0	22° 4	25°26	11° 1	18°52	20°56	4°26	9°23	29°D39	28°13	20°11	n.a.	S 6
S 7	16 39 17	9°32'02	25° 4	9°10	23°17	26° 4	11°14	19° 0	20°54	4°26	9°22	29°40	28°10	20°18	n.a.	S 7
M 8	16 43 14	10°29'09	7♎12	11°19	24°31	26°42	11°27	19° 7	20°51	4°26	9°21	29°42	28° 7	20°25	n.a.	M 8
T 9	16 47 11	11°26'16	19° 9	13°27	25°44	27°20	11°40	19°15	20°49	4°26	9°20	29°43	28° 4	20°31	n.a.	T 9
W10	16 51 7	12°23'23	0♏59	15°35	26°57	27°58	11°53	19°22	20°46	4°26	9°19	29°R44	28° 1	20°38	n.a.	W10
T 11	16 55 4	13°20'30	12°47	17°41	28°10	28°36	12° 5	19°30	20°44	4°27	9°18	29°43	27°58	20°45	n.a.	T 11
F 12	16 59 0	14°17'37	24°35	19°47	29°24	29°15	12°18	19°37	20°42	4°27	9°16	29°40	27°54	20°51	n.a.	F 12
S 13	17 2 57	15°14'45	6♐27	21°51	0♊37	29°53	12°31	19°45	20°39	4°R27	9°15	29°35	27°51	20°58	n.a.	S 13
S 14	17 6 53	16°11'54	18°24	23°53	1°50	0♋31	12°44	19°52	20°37	4°27	9°14	29°28	27°48	21° 5	n.a.	S 14
M15	17 10 50	17° 9'03	0♑28	25°54	3° 3	1° 9	12°56	19°59	20°34	4°27	9°13	29°20	27°45	21°11	n.a.	M15
T 16	17 14 46	18° 6'12	12°42	27°54	4°17	1°47	13° 9	20° 7	20°32	4°26	9°12	29°11	27°42	21°18	n.a.	T 16
W17	17 18 43	19° 3'23	25° 5	29°51	5°30	2°25	13°21	20°14	20°30	4°26	9°10	29° 2	27°38	21°25	n.a.	W17
T 18	17 22 40	20° 0'34	7♒40	1♋47	6°44	3° 3	13°34	20°21	20°27	4°26	9° 9	28°55	27°35	21°31	n.a.	T 18
F 19	17 26 36	20°57'46	20°27	3°42	7°57	3°41	13°46	20°28	20°25	4°26	9° 8	28°49	27°32	21°38	n.a.	F 19
S 20	17 30 33	21°54'58	3♓29	5°34	9°11	4°19	13°58	20°36	20°22	4°26	9° 6	28°45	27°29	21°45	n.a.	S 20
S 21	17 34 29	22°52'12	16°48	7°25	10°24	4°57	14°11	20°43	20°20	4°26	9° 5	28°44	27°26	21°51	n.a.	S 21
M22	17 38 26	23°49'27	0♈25	9°14	11°38	5°35	14°23	20°50	20°18	4°25	9° 4	28°D44	27°23	21°58	n.a.	M22
T 23	17 42 22	24°46'43	14°22	11° 2	12°51	6°13	14°35	20°57	20°15	4°25	9° 2	28°44	27°19	22° 5	n.a.	T 23
W24	17 46 19	25°44'00	28°39	12°48	14° 5	6°51	14°47	21° 4	20°13	4°25	9° 1	28°R45	27°16	22°11	n.a.	W24
T 25	17 50 15	26°41'18	13♉15	14°31	15°18	7°29	14°59	21°11	20°10	4°24	9° 0	28°44	27°13	22°18	n.a.	T 25
F 26	17 54 12	27°38'37	28° 6	16°14	16°32	8° 7	15°11	21°18	20° 8	4°24	8°58	28°41	27°10	22°25	n.a.	F 26
S 27	17 58 9	28°35'58	13♊ 4	17°54	17°46	8°45	15°23	21°25	20° 6	4°23	8°57	28°36	27° 7	22°31	n.a.	S 27
S 28	18 2 5	29°33'19	28° 3	19°33	18°59	9°23	15°35	21°31	20° 3	4°23	8°56	28°28	27° 4	22°38	n.a.	S 28
M29	18 6 2	0♋30'42	12♋53	21°10	20°13	10° 1	15°46	21°38	20° 1	4°23	8°54	28°19	27° 0	22°45	n.a.	M29
T 30	18 9 58	1♋28'05	27♋25	22♋46	21♊27	10♋40	15♉58	21♉45	19♐58	4♓22	8♑53	28♎10	26♎57	22♏51	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n11	18n58	4s42	19n52	0n19	16n 1	0s51	24n35	1n 4	14n13	0s48	15n53	1s39	23s42	0s15	11s23	1s28	29s53	6s30	11s35	11s 4	16s 5		n.a.
T 2	21 22	17 19	5 7	20 32	0 29	16 24	0 49	24 37	1 4	14 18	0 48	15 55	1 39	23 42	0 15	11 23	1 28	29 53	6 30	11 33	11 3	16 6		n.a.
W 3	21 32	14 39	5 11	21 10	0 39	16 47	0 47	24 39	1 4	14 22	0 48	15 58	1 39	23 42	0 16	11 23	1 28	29 54	6 30	11 31	11 2	16 7		n.a.
T 4	21 42	11 16	4 58	21 46	0 49	17 9	0 44	24 41	1 4	14 26	0 48	16 0	1 39	23 42	0 16	11 23	1 28	29 54	6 30	11 30	11 1	16 8		n.a.
F 5	21 52	7 26	4 30	22 19	0 58	17 31	0 42	24 43	1 5	14 30	0 48	16 2	1 39	23 42	0 16	11 23	1 28	29 54	6 31	11 30	11 0	16 9		n.a.
S 6	22 1	3 23	3 49	22 51	1 6	17 53	0 40	24 45	1 5	14 34	0 47	16 4	1 39	23 41	0 16	11 23	1 28	29 54	6 31	11 30	10 59	16 10		n.a.
S 7	22 10	0s44	2 58	23 19	1 14	18 14	0 37	24 46	1 5	14 38	0 47	16 6	1 39	23 41	0 16	11 23	1 28	29 55	6 31	11 30	10 58	16 11		n.a.
M 8	22 18	4 43	2 0	23 45	1 21	18 34	0 35	24 47	1 5	14 42	0 47	16 8	1 39	23 41	0 16	11 23	1 28	29 55	6 31	11 30	10 56	16 12		n.a.
T 9	22 26	8 28	0 57	24 9	1 27	18 55	0 33	24 48	1 5	14 47	0 47	16 10	1 39	23 41	0 16	11 23	1 29	29 55	6 31	11 31	10 55	16 13		n.a.
W10	22 34	11 51	0n 7	24 29	1 33	19 14	0 30	24 49	1 5	14 51	0 47	16 12	1 39	23 41	0 16	11 23	1 29	29 55	6 31	11 31	10 54	16 14		n.a.
T 11	22 42	14 45	1 10	24 47	1 38	19 33	0 28	24 50	1 6	14 55	0 47	16 14	1 39	23 41	0 16	11 23	1 29	29 56	6 32	11 31	10 53	16 15		n.a.
F 12	22 49	17 3	2 11	25 2	1 42	19 52	0 26	24 50	1 6	14 59	0 47	16 16	1 39	23 40	0 16	11 23	1 29	29 56	6 32	11 30	10 52	16 16		n.a.
S 13	22 55	18 37	3 5	25 15	1 45	20 10	0 23	24 51	1 6	15 2	0 47	16 18	1 39	23 40	0 16	11 23	1 29	29 56	6 32	11 28	10 51	16 17		n.a.
S 14	23 1	19 22	3 52	25 24	1 48	20 27	0 21	24 51	1 6	15 6	0 47	16 20	1 39	23 40	0 16	11 23	1 29	29 56	6 32	11 26	10 50	16 18		n.a.
M15	23 7	19 15	4 29	25 31	1 50	20 44	0 18	24 51	1 6	15 10	0 47	16 22	1 39	23 40	0 16	11 23	1 29	29 56	6 32	11 23	10 48	16 19		n.a.
T 16	23 12	18 15	4 55	25 35	1 52	21 1	0 16	24 50	1 6	15 14	0 47	16 24	1 39	23 40	0 16	11 23	1 29	29 57	6 32	11 19	10 47	16 20		n.a.
W17	23 17	16 22	5 6	25 37	1 53	21 17	0 13	24 50	1 6	15 18	0 47	16 26	1 39	23 40	0 16	11 23	1 29	29 57	6 32	11 16	10 46	16 20		n.a.
T 18	23 22	13 42	5 3	25 37	1 53	21 32	0 11	24 49	1 7	15 22	0 47	16 28	1 39	23 39	0 16	11 23	1 29	29 57	6 33	11 14	10 45	16 21		n.a.
F 19	23 26	10 21	4 46	25 34	1 52	21 47	0 8	24 48	1 7	15 25	0 47	16 30	1 39	23 39	0 16	11 23	1 29	29 57	6 33	11 12	10 44	16 22		n.a.
S 20	23 30	6 26	4 13	25 29	1 51	22 1	0 6	24 47	1 7	15 29	0 47	16 32	1 39	23 39	0 16	11 23	1 29	29 58	6 33	11 10	10 43	16 23		n.a.
S 21	23 33	2 7	3 26	25 21	1 49	22 14	0 3	24 46	1 7	15 33	0 47	16 34	1 39	23 39	0 16	11 24	1 29	29 58	6 33	11 10	10 41	16 24		n.a.
M22	23 36	2n24	2 26	25 12	1 47	22 27	0 1	24 45	1 7	15 37	0 47	16 36	1 39	23 39	0 16	11 24	1 29	29 58	6 33	11 10	10 40	16 25		n.a.
T 23	23 39	6 55	1 16	25 1	1 44	22 39	0n 1	24 43	1 7	15 40	0 47	16 38	1 39	23 39	0 16	11 24	1 29	29 58	6 33	11 10	10 39	16 26		n.a.
W24	23 41	11 9	0 0	24 48	1 41	22 51	0 4	24 41	1 7	15 44	0 47	16 39	1 39	23 38	0 16	11 24	1 29	29 59	6 33	11 10	10 38	16 27		n.a.
T 25	23 42	14 48	1s17	24 33	1 37	23 2	0 6	24 39	1 8	15 47	0 47	16 41	1 40	23 38	0 16	11 24	1 29	29 59	6 33	11 10	10 37	16 28		n.a.
F 26	23 43	17 33	2 30	24 17	1 33	23 12	0 9	24 37	1 8	15 51	0 47	16 43	1 40	23 38	0 16	11 24	1 30	29 59	6 34	11 9	10 36	16 29		n.a.
S 27	23 44	19 7	3 34	23 59	1 28	23 22	0 11	24 35	1 8	15 54	0 47	16 45	1 40	23 38	0 16	11 25	1 30	29 59	6 34	11 7	10 34	16 30		n.a.
S 28	23 45	19 21	4 23	23 40	1 23	23 30	0 14	24 32	1 8	15 58	0 47	16 46	1 40	23 38	0 16	11 25	1 30	29 59	6 34	11 4	10 33	16 31		n.a.
M29	23 45	18 15	4 53	23 20	1 17	23 39	0 16	24 29	1 8	16 1	0 47	16 48	1 40	23 38	0 16	11 25	1 30	30 0	6 34	11 1	10 32	16 32		n.a.
T 30	23n44	15n59	5s 4	22n58	1n11	23n46	0n18	24n27	1n 8	16n 5	0s47	16n50	1s40	23s37	0s16	11s25	1s30	30s 0	6s34	10s57	10s31	16s33		n.a.

Julian Day Number = 1559403.5, Delta T = 04h25m15s
Ecliptic obliquity = 23°44'48, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'55, Lahiri = -10°04'54 Julian Calendar 1 June 444 BCE == Greg. Calendar 27 May 444 BCE

The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

JULY 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 13 55	2♋25'29	11♌33	24♋19	22♊41	11♋18	16♉ 9	21♉52	19°R56	4°R21	8°R52	28°R 1	26♎54	22♏58	n.a.	W 1
T 2	18 17 51	3°22'54	25°13	25°51	23°55	11°56	16°21	21°58	19♐54	4♓21	8♑50	27♎54	26°51	23° 5	n.a.	T 2
F 3	18 21 48	4°20'20	8♍26	27°22	25° 8	12°34	16°32	22° 5	19°51	4°20	8°49	27°49	26°48	23°11	n.a.	F 3
S 4	18 25 45	5°17'47	21°13	28°50	26°22	13°12	16°44	22°11	19°49	4°20	8°48	27°46	26°44	23°18	n.a.	S 4
S 5	18 29 41	6°15'14	3♎37	0♌17	27°36	13°50	16°55	22°18	19°47	4°19	8°46	27°D45	26°41	23°25	n.a.	S 5
M 6	18 33 38	7°12'43	15°45	1°42	28°50	14°28	17° 6	22°24	19°45	4°18	8°45	27°45	26°38	23°31	n.a.	M 6
T 7	18 37 34	8°10'12	27°41	3° 5	0♋ 4	15° 6	17°17	22°31	19°42	4°17	8°44	27°R45	26°35	23°38	n.a.	T 7
W 8	18 41 31	9° 7'43	9♏30	4°26	1°18	15°44	17°28	22°37	19°40	4°17	8°42	27°45	26°32	23°45	n.a.	W 8
T 9	18 45 27	10° 5'14	21°18	5°46	2°32	16°23	17°39	22°43	19°38	4°16	8°41	27°42	26°29	23°51	n.a.	T 9
F 10	18 49 24	11° 2'47	3♐ 9	7° 3	3°46	17° 1	17°50	22°49	19°36	4°15	8°39	27°37	26°25	23°58	n.a.	F 10
S 11	18 53 20	12° 0'21	15° 6	8°19	5° 0	17°39	18° 0	22°55	19°34	4°14	8°38	27°30	26°22	24° 5	n.a.	S 11
S 12	18 57 17	12°57'56	27°11	9°33	6°14	18°17	18°11	23° 1	19°31	4°13	8°37	27°20	26°19	24°11	n.a.	S 12
M13	19 1 14	13°55'32	9♑28	10°44	7°28	18°55	18°21	23° 7	19°29	4°12	8°35	27° 8	26°16	24°18	n.a.	M13
T 14	19 5 10	14°53'10	21°56	11°53	8°42	19°33	18°32	23°13	19°27	4°12	8°34	26°55	26°13	24°25	n.a.	T 14
W15	19 9 7	15°50'49	4♒36	13° 0	9°56	20°12	18°42	23°19	19°25	4°11	8°33	26°43	26°10	24°31	n.a.	W15
T 16	19 13 3	16°48'30	17°28	14° 5	11°11	20°50	18°52	23°25	19°23	4°10	8°31	26°31	26° 6	24°38	n.a.	T 16
F 17	19 17 0	17°46'12	0♓31	15° 7	12°25	21°28	19° 2	23°31	19°21	4° 9	8°30	26°22	26° 3	24°45	n.a.	F 17
S 18	19 20 56	18°43'56	13°45	16° 6	13°39	22° 6	19°12	23°36	19°19	4° 8	8°29	26°16	26° 0	24°51	n.a.	S 18
S 19	19 24 53	19°41'42	27°12	17° 3	14°53	22°44	19°22	23°42	19°17	4° 6	8°27	26°13	25°57	24°58	n.a.	S 19
M20	19 28 49	20°39'30	10♈51	17°57	16° 8	23°23	19°32	23°47	19°15	4° 5	8°26	26°11	25°54	25° 5	n.a.	M20
T 21	19 32 46	21°37'19	24°43	18°48	17°22	24° 1	19°42	23°53	19°13	4° 4	8°25	26°11	25°50	25°11	n.a.	T 21
W22	19 36 43	22°35'10	8♉49	19°36	18°36	24°39	19°51	23°58	19°11	4° 3	8°23	26°11	25°47	25°18	n.a.	W22
T 23	19 40 39	23°33'04	23° 8	20°20	19°50	25°17	20° 1	24° 4	19° 9	4° 2	8°22	26° 9	25°44	25°25	n.a.	T 23
F 24	19 44 36	24°30'59	7♊38	21° 1	21° 5	25°56	20°10	24° 9	19° 7	4° 1	8°21	26° 5	25°41	25°31	n.a.	F 24
S 25	19 48 32	25°28'56	22°15	21°37	22°19	26°34	20°19	24°14	19° 6	4° 0	8°19	25°59	25°38	25°38	n.a.	S 25
S 26	19 52 29	26°26'56	6♋53	22°10	23°34	27°12	20°28	24°19	19° 4	3°58	8°18	25°49	25°35	25°45	n.a.	S 26
M27	19 56 25	27°24'57	21°25	22°39	24°48	27°51	20°37	24°24	19° 2	3°57	8°17	25°38	25°31	25°51	n.a.	M27
T 28	20 0 22	28°22'59	5♌43	23° 3	26° 3	28°29	20°46	24°29	19° 1	3°56	8°15	25°26	25°28	25°58	n.a.	T 28
W29	20 4 18	29°21'04	19°43	23°22	27°17	29° 7	20°55	24°34	18°59	3°55	8°14	25°15	25°25	26° 5	n.a.	W29
T 30	20 8 15	0♌19'10	3♍19	23°36	28°32	29°46	21° 3	24°38	18°57	3°53	8°13	25° 6	25°22	26°11	n.a.	T 30
F 31	20 12 12	1♌17'17	16♍30	23♌44	29♋46	0♌24	21♉12	24♉43	18♐56	3♓52	8♑12	24♎58	25♎19	26♏18	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	23n43	12n48	4s56	22n35	1n 5	23n53	0n21	24n23	1n 8	16n 8	0s47	16n52	1s40	23s37	0s16	11s26	1s30	30s 0	6s34	10s54	10s30	16s34			n.a.
T 2	23 42	9 2	4 31	22 12	0 58	23 59	0 23	24 20	1 8	16 11	0 47	16 53	1 40	23 37	0 16	11 26	1 30	30 0	6 34	10 52	10 29	16 35			n.a.
F 3	23 40	4 56	3 52	21 47	0 51	24 5	0 25	24 17	1 8	16 15	0 47	16 55	1 40	23 37	0 16	11 26	1 30	30 0	6 34	10 50	10 28	16 35			n.a.
S 4	23 38	0 45	3 2	21 22	0 44	24 9	0 27	24 13	1 8	16 18	0 47	16 57	1 40	23 37	0 16	11 26	1 30	30 0	6 34	10 49	10 26	16 36			n.a.
S 5	23 36	3s22	2 5	20 56	0 36	24 13	0 30	24 9	1 9	16 21	0 47	16 58	1 40	23 37	0 16	11 27	1 30	30 1	6 34	10 48	10 25	16 37			n.a.
M 6	23 33	7 15	1 4	20 29	0 28	24 16	0 32	24 5	1 9	16 24	0 47	17 0	1 40	23 36	0 16	11 27	1 30	30 1	6 35	10 48	10 24	16 38			n.a.
T 7	23 29	10 47	0 0	20 2	0 19	24 19	0 34	24 1	1 9	16 27	0 47	17 1	1 40	23 36	0 16	11 27	1 30	30 1	6 35	10 49	10 23	16 39			n.a.
W 8	23 26	13 52	1n 2	19 34	0 11	24 21	0 36	23 57	1 9	16 30	0 47	17 3	1 40	23 36	0 16	11 28	1 30	30 1	6 35	10 48	10 22	16 40			n.a.
T 9	23 21	16 22	2 2	19 6	0 2	24 22	0 38	23 52	1 9	16 34	0 47	17 4	1 40	23 36	0 16	11 28	1 30	30 1	6 35	10 47	10 21	16 41			n.a.
F 10	23 17	18 10	2 56	18 37	0s 7	24 22	0 41	23 47	1 9	16 37	0 47	17 6	1 40	23 36	0 16	11 28	1 30	30 2	6 35	10 46	10 19	16 42			n.a.
S 11	23 12	19 12	3 43	18 9	0 17	24 22	0 43	23 42	1 9	16 40	0 47	17 7	1 40	23 36	0 16	11 29	1 30	30 2	6 35	10 43	10 18	16 43			n.a.
S 12	23 6	19 22	4 21	17 40	0 26	24 20	0 45	23 37	1 9	16 43	0 47	17 9	1 40	23 35	0 16	11 29	1 30	30 2	6 35	10 39	10 17	16 43			n.a.
M13	23 0	18 38	4 47	17 11	0 36	24 19	0 47	23 32	1 9	16 45	0 47	17 10	1 40	23 35	0 16	11 30	1 30	30 2	6 35	10 35	10 16	16 44			n.a.
T 14	22 54	17 0	5 0	16 42	0 46	24 16	0 49	23 26	1 9	16 48	0 47	17 12	1 40	23 35	0 16	11 30	1 30	30 2	6 35	10 30	10 15	16 45			n.a.
W15	22 48	14 32	4 58	16 14	0 56	24 12	0 51	23 21	1 9	16 51	0 47	17 13	1 41	23 35	0 16	11 30	1 31	30 2	6 35	10 26	10 14	16 46			n.a.
T 16	22 40	11 20	4 41	15 45	1 7	24 8	0 52	23 15	1 9	16 54	0 47	17 15	1 41	23 35	0 16	11 31	1 31	30 2	6 35	10 22	10 12	16 47			n.a.
F 17	22 33	7 33	4 10	15 17	1 17	24 3	0 54	23 9	1 9	16 57	0 47	17 16	1 41	23 35	0 16	11 31	1 31	30 3	6 35	10 18	10 11	16 48			n.a.
S 18	22 25	3 20	3 24	14 49	1 28	23 58	0 56	23 3	1 9	16 59	0 47	17 17	1 41	23 34	0 16	11 32	1 31	30 3	6 35	10 16	10 10	16 49			n.a.
S 19	22 17	1n 7	2 27	14 22	1 38	23 52	0 58	22 57	1 9	17 2	0 47	17 19	1 41	23 34	0 16	11 32	1 31	30 3	6 35	10 15	10 9	16 50			n.a.
M20	22 8	5 34	1 20	13 55	1 49	23 45	0 59	22 50	1 10	17 5	0 47	17 20	1 41	23 34	0 16	11 32	1 31	30 3	6 35	10 14	10 8	16 50			n.a.
T 21	21 59	9 49	0 8	13 29	2 0	23 37	1 1	22 43	1 10	17 7	0 47	17 21	1 41	23 34	0 16	11 33	1 31	30 3	6 35	10 14	10 7	16 51			n.a.
W22	21 50	13 34	1s 6	13 4	2 11	23 28	1 3	22 37	1 10	17 10	0 47	17 23	1 41	23 34	0 16	11 33	1 31	30 3	6 35	10 14	10 5	16 52			n.a.
T 23	21 40	16 35	2 17	12 40	2 21	23 19	1 4	22 30	1 10	17 13	0 47	17 24	1 41	23 34	0 16	11 34	1 31	30 3	6 35	10 13	10 4	16 53			n.a.
F 24	21 30	18 34	3 20	12 17	2 32	23 9	1 6	22 22	1 10	17 15	0 47	17 25	1 41	23 33	0 16	11 34	1 31	30 3	6 35	10 12	10 3	16 54			n.a.
S 25	21 19	19 21	4 11	11 55	2 42	22 59	1 7	22 15	1 10	17 18	0 47	17 26	1 41	23 33	0 16	11 35	1 31	30 4	6 35	10 10	10 2	16 55			n.a.
S 26	21 8	18 50	4 45	11 35	2 53	22 47	1 9	22 8	1 10	17 20	0 47	17 27	1 41	23 33	0 16	11 35	1 31	30 4	6 35	10 6	10 1	16 55			n.a.
M27	20 57	17 5	5 0	11 16	3 3	22 35	1 10	22 0	1 10	17 22	0 48	17 28	1 41	23 33	0 16	11 36	1 31	30 4	6 35	10 2	10 0	16 56			n.a.
T 28	20 45	14 18	4 56	10 59	3 13	22 23	1 11	21 52	1 10	17 25	0 48	17 30	1 42	23 33	0 16	11 36	1 31	30 4	6 36	9 58	9 58	16 57			n.a.
W29	20 33	10 46	4 34	10 43	3 22	22 9	1 12	21 44	1 10	17 27	0 48	17 31	1 42	23 33	0 16	11 37	1 31	30 4	6 36	9 53	9 57	16 58			n.a.
T 30	20 20	6 44	3 57	10 30	3 32	21 55	1 14	21 36	1 10	17 29	0 48	17 32	1 42	23 33	0 16	11 37	1 31	30 4	6 36	9 50	9 56	16 59			n.a.
F 31	20n 8	2n31	3s 8	10n19	3s40	21n41	1n15	21n28	1n10	17n31	0s48	17n33	1s42	23s32	0s16	11s38	1s31	30s 4	6s36	9s47	9s55	17s 0			n.a.

Julian Day Number = 1559433.5, Delta T = 04h25m14s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'51, Lahiri = -10°04'50 Julian Calendar 1 July 444 BCE == Greg. Calendar 26 June 444 BCE

The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

AUGUST 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 16 8	2♌15'26	29♍16	23°R47	1♌ 1	1♌ 2	21♉20	24♉48	18°R54	3°R51	8°R10	24°R54	25♎16	26♏25	n.a.	S 1
S 2	20 20 5	3°13'37	11♎42	23♌44	2°15	1°41	21°28	24°52	18♐53	3♓49	8♑ 9	24♎52	25°12	26°31	n.a.	S 2
M 3	20 24 1	4°11'50	23°51	23°34	3°30	2°19	21°36	24°57	18°51	3°48	8° 8	24°D51	25° 9	26°38	n.a.	M 3
T 4	20 27 58	5°10'04	5♏47	23°19	4°45	2°58	21°44	25° 1	18°50	3°46	8° 7	24°R52	25° 6	26°45	n.a.	T 4
W 5	20 31 54	6° 8'19	17°38	22°57	5°59	3°36	21°52	25° 5	18°48	3°45	8° 6	24°51	25° 3	26°51	n.a.	W 5
T 6	20 35 51	7° 6'37	29°27	22°28	7°14	4°15	22° 0	25° 9	18°47	3°44	8° 4	24°49	25° 0	26°58	n.a.	T 6
F 7	20 39 47	8° 4'56	11♐20	21°54	8°28	4°53	22° 7	25°13	18°46	3°42	8° 3	24°45	24°56	27° 5	n.a.	F 7
S 8	20 43 44	9° 3'17	23°22	21°13	9°43	5°31	22°15	25°17	18°44	3°41	8° 2	24°38	24°53	27°11	n.a.	S 8
S 9	20 47 40	10° 1'39	5♑35	20°26	10°58	6°10	22°22	25°21	18°43	3°39	8° 1	24°29	24°50	27°18	n.a.	S 9
M10	20 51 37	11° 0'04	18° 3	19°34	12°13	6°48	22°29	25°25	18°42	3°38	8° 0	24°17	24°47	27°25	n.a.	M10
T 11	20 55 34	11°58'30	0♒46	18°38	13°27	7°27	22°36	25°29	18°41	3°36	7°59	24° 5	24°44	27°31	n.a.	T 11
W12	20 59 30	12°56'58	13°44	17°39	14°42	8° 5	22°43	25°32	18°40	3°35	7°58	23°53	24°41	27°38	n.a.	W12
T 13	21 3 27	13°55'28	26°57	16°37	15°57	8°44	22°49	25°36	18°39	3°33	7°57	23°42	24°37	27°45	n.a.	T 13
F 14	21 7 23	14°54'01	10♓23	15°35	17°11	9°23	22°56	25°39	18°38	3°32	7°56	23°34	24°34	27°51	n.a.	F 14
S 15	21 11 20	15°52'35	23°59	14°33	18°26	10° 1	23° 2	25°42	18°37	3°30	7°55	23°28	24°31	27°58	n.a.	S 15
S 16	21 15 16	16°51'12	7♈44	13°33	19°41	10°40	23° 8	25°46	18°36	3°28	7°54	23°25	24°28	28° 5	n.a.	S 16
M17	21 19 13	17°49'50	21°36	12°36	20°56	11°18	23°14	25°49	18°35	3°27	7°53	23°D24	24°25	28°11	n.a.	M17
T 18	21 23 9	18°48'32	5♉35	11°45	22°11	11°57	23°20	25°52	18°34	3°25	7°52	23°24	24°21	28°18	n.a.	T 18
W19	21 27 6	19°47'15	19°39	11° 0	23°26	12°36	23°26	25°55	18°33	3°24	7°51	23°R24	24°18	28°25	n.a.	W19
T 20	21 31 3	20°46'02	3♊48	10°22	24°40	13°14	23°31	25°57	18°33	3°22	7°50	23°24	24°15	28°31	n.a.	T 20
F 21	21 34 59	21°44'50	18° 1	9°53	25°55	13°53	23°37	26° 0	18°32	3°20	7°49	23°21	24°12	28°38	n.a.	F 21
S 22	21 38 56	22°43'41	2♋15	9°33	27°10	14°32	23°42	26° 3	18°31	3°19	7°48	23°16	24° 9	28°45	n.a.	S 22
S 23	21 42 52	23°42'35	16°27	9°22	28°25	15°10	23°47	26° 5	18°31	3°17	7°47	23° 8	24° 6	28°51	n.a.	S 23
M24	21 46 49	24°41'30	0♌33	9°D22	29°40	15°49	23°52	26° 8	18°30	3°15	7°46	22°59	24° 2	28°58	n.a.	M24
T 25	21 50 45	25°40'28	14°27	9°32	0♍55	16°28	23°57	26°10	18°30	3°14	7°45	22°50	23°59	29° 5	n.a.	T 25
W26	21 54 42	26°39'28	28° 7	9°51	2°10	17° 7	24° 1	26°12	18°29	3°12	7°45	22°40	23°56	29°11	n.a.	W26
T 27	21 58 38	27°38'30	11♍28	10°21	3°25	17°45	24° 5	26°14	18°29	3°10	7°44	22°32	23°53	29°18	n.a.	T 27
F 28	22 2 35	28°37'34	24°29	10°59	4°40	18°24	24°10	26°16	18°29	3° 9	7°43	22°27	23°50	29°25	n.a.	F 28
S 29	22 6 31	29°36'41	7♎11	11°46	5°55	19° 3	24°14	26°18	18°28	3° 7	7°42	22°23	23°47	29°31	n.a.	S 29
S 30	22 10 28	0♍35'49	19°34	12°42	7°10	19°42	24°17	26°20	18°28	3° 5	7°42	22°D22	23°43	29°38	n.a.	S 30
M31	22 14 25	1♍34'59	1♏42	13♌44	8♍25	20♌21	24♉21	26♉21	18♐28	3♓ 4	7♑41	22♎22	23♎40	29♏45	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n55	1s43	2s11	10n11	3s48	21n25	1n16	21n19	1n10	17n34	0s48	17n34	1s42	23s32	0s16	11s38	1s31	30s 4	6s36	9s46	9s54	17s 0		n.a.
S 2	19 41	5 45	1 9	10 5	3 55	21 9	1 17	21 11	1 10	17 36	0 48	17 35	1 42	23 32	0 16	11 39	1 31	30 4	6 36	9 45	9 52	17 1		n.a.
M 3	19 27	9 27	0 5	10 2	4 2	20 53	1 18	21 2	1 10	17 38	0 48	17 36	1 42	23 32	0 16	11 39	1 31	30 4	6 36	9 45	9 51	17 2		n.a.
T 4	19 13	12 43	0n58	10 2	4 7	20 36	1 19	20 53	1 10	17 40	0 48	17 37	1 42	23 32	0 16	11 40	1 31	30 4	6 35	9 45	9 50	17 3		n.a.
W 5	18 59	15 26	1 58	10 5	4 12	20 18	1 20	20 44	1 10	17 42	0 48	17 38	1 42	23 32	0 16	11 41	1 31	30 4	6 35	9 45	9 49	17 4		n.a.
T 6	18 44	17 29	2 53	10 11	4 14	20 0	1 20	20 35	1 10	17 44	0 48	17 39	1 42	23 32	0 16	11 41	1 31	30 4	6 35	9 44	9 48	17 4		n.a.
F 7	18 29	18 48	3 40	10 21	4 16	19 41	1 21	20 25	1 10	17 46	0 48	17 39	1 43	23 32	0 16	11 42	1 31	30 5	6 35	9 42	9 47	17 5		n.a.
S 8	18 13	19 16	4 19	10 34	4 16	19 21	1 22	20 16	1 10	17 48	0 48	17 40	1 43	23 31	0 16	11 42	1 31	30 5	6 35	9 40	9 45	17 6		n.a.
S 9	17 58	18 52	4 46	10 51	4 14	19 1	1 22	20 6	1 10	17 49	0 48	17 41	1 43	23 31	0 16	11 43	1 31	30 5	6 35	9 36	9 44	17 7		n.a.
M10	17 42	17 33	5 0	11 11	4 11	18 41	1 23	19 56	1 10	17 51	0 48	17 42	1 43	23 31	0 16	11 43	1 32	30 5	6 35	9 32	9 43	17 8		n.a.
T 11	17 25	15 22	5 0	11 33	4 5	18 19	1 23	19 46	1 10	17 53	0 48	17 43	1 43	23 31	0 16	11 44	1 32	30 5	6 35	9 28	9 42	17 8		n.a.
W12	17 9	12 23	4 44	11 59	3 57	17 58	1 24	19 36	1 10	17 55	0 48	17 43	1 43	23 31	0 16	11 45	1 32	30 5	6 35	9 23	9 41	17 9		n.a.
T 13	16 52	8 43	4 13	12 26	3 48	17 36	1 24	19 26	1 10	17 56	0 48	17 44	1 43	23 31	0 16	11 45	1 32	30 5	6 35	9 19	9 40	17 10		n.a.
F 14	16 34	4 34	3 28	12 56	3 36	17 13	1 24	19 15	1 10	17 58	0 48	17 45	1 43	23 31	0 16	11 46	1 32	30 5	6 35	9 16	9 38	17 11		n.a.
S 15	16 17	0 8	2 30	13 27	3 23	16 50	1 24	19 5	1 10	18 0	0 48	17 46	1 43	23 31	0 16	11 46	1 32	30 5	6 35	9 14	9 37	17 12		n.a.
S 16	15 59	4n22	1 22	13 58	3 8	16 26	1 25	18 54	1 10	18 1	0 48	17 46	1 43	23 31	0 16	11 47	1 32	30 5	6 35	9 12	9 36	17 12		n.a.
M17	15 41	8 40	0 10	14 30	2 51	16 2	1 25	18 43	1 10	18 3	0 48	17 47	1 44	23 31	0 16	11 48	1 32	30 5	6 35	9 12	9 35	17 13		n.a.
T 18	15 23	12 32	1s 5	15 2	2 34	15 38	1 25	18 32	1 10	18 4	0 48	17 47	1 44	23 31	0 16	11 48	1 32	30 5	6 35	9 12	9 34	17 14		n.a.
W19	15 4	15 42	2 15	15 32	2 15	15 13	1 25	18 21	1 10	18 5	0 48	17 48	1 44	23 31	0 16	11 49	1 32	30 5	6 35	9 12	9 32	17 15		n.a.
T 20	14 45	17 56	3 18	16 1	1 56	14 47	1 24	18 10	1 10	18 7	0 48	17 49	1 44	23 30	0 16	11 49	1 32	30 5	6 35	9 12	9 31	17 15		n.a.
F 21	14 26	19 4	4 9	16 27	1 36	14 22	1 24	17 59	1 10	18 8	0 48	17 49	1 44	23 30	0 16	11 50	1 32	30 5	6 35	9 11	9 30	17 16		n.a.
S 22	14 7	18 59	4 45	16 52	1 17	13 55	1 24	17 47	1 10	18 9	0 48	17 50	1 44	23 30	0 16	11 51	1 32	30 5	6 35	9 9	9 29	17 17		n.a.
S 23	13 47	17 43	5 3	17 13	0 57	13 29	1 24	17 36	1 9	18 11	0 48	17 50	1 44	23 30	0 16	11 51	1 32	30 5	6 35	9 6	9 28	17 18		n.a.
M24	13 28	15 23	5 2	17 31	0 39	13 2	1 23	17 24	1 9	18 12	0 49	17 51	1 44	23 30	0 16	11 52	1 32	30 5	6 35	9 3	9 27	17 18		n.a.
T 25	13 7	12 11	4 44	17 46	0 21	12 35	1 23	17 12	1 9	18 13	0 49	17 51	1 45	23 30	0 16	11 52	1 32	30 5	6 35	8 59	9 25	17 19		n.a.
W26	12 47	8 23	4 9	17 57	0 3	12 7	1 22	17 0	1 9	18 14	0 49	17 51	1 45	23 30	0 16	11 53	1 32	30 5	6 35	8 56	9 24	17 20		n.a.
T 27	12 27	4 15	3 21	18 5	0n13	11 39	1 22	16 48	1 9	18 15	0 49	17 52	1 45	23 30	0 16	11 54	1 32	30 5	6 35	8 53	9 23	17 21		n.a.
F 28	12 6	0 1	2 24	18 9	0 28	11 11	1 21	16 36	1 9	18 16	0 49	17 52	1 45	23 30	0 16	11 54	1 32	30 5	6 34	8 51	9 22	17 21		n.a.
S 29	11 45	4s 7	1 21	18 9	0 42	10 42	1 20	16 24	1 9	18 17	0 49	17 52	1 45	23 30	0 16	11 55	1 32	30 5	6 34	8 49	9 21	17 22		n.a.
S 30	11 24	7 59	0 15	18 5	0 54	10 13	1 20	16 11	1 9	18 18	0 49	17 53	1 45	23 30	0 16	11 56	1 32	30 5	6 34	8 49	9 19	17 23		n.a.
M31	11n 3	11s26	0n50	17n58	1n 6	9n44	1n19	15n59	1n 9	18n19	0s49	17n53	1s45	23s30	0s16	11s56	1s32	30s 5	6s34	8s49	9s18	17s23		n.a.

Julian Day Number = 1559464.5, Delta T = 04h25m13s
Ecliptic obliquity = 23°44'48, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'46, Lahiri = -10°04'46 Julian Calendar 1 Aug. 444 BCE == Greg. Calendar 27 July 444 BCE

The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

SEPTEMBER 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 18 21	2♍34'11	13♏39	14♌54	9♍40	21♌ 0	24♉24	26♉23	18°R28	3°R 2	7°R40	22♎23	23♎37	29♏51	n.a.	T 1
W 2	22 22 18	3°33'25	25°30	16° 9	10°55	21°38	24°28	26°24	18♐28	3♓ 0	7♑40	22°24	23°34	29°58	n.a.	W 2
T 3	22 26 14	4°32'41	7♐19	17°30	12°10	22°17	24°31	26°26	18°D28	2°59	7°39	22°R25	23°31	0♐ 5	n.a.	T 3
F 4	22 30 11	5°31'59	19°13	18°55	13°25	22°56	24°34	26°27	18°28	2°57	7°38	22°24	23°27	0°11	n.a.	F 4
S 5	22 34 7	6°31'19	1♑16	20°24	14°40	23°35	24°36	26°28	18°28	2°55	7°38	22°20	23°24	0°18	n.a.	S 5
S 6	22 38 4	7°30'40	13°33	21°56	15°55	24°14	24°39	26°29	18°28	2°54	7°37	22°15	23°21	0°25	n.a.	S 6
M 7	22 42 0	8°30'04	26° 7	23°31	17°10	24°53	24°41	26°30	18°28	2°52	7°37	22° 9	23°18	0°31	n.a.	M 7
T 8	22 45 57	9°29'29	9♒ 0	25° 9	18°25	25°32	24°43	26°30	18°28	2°50	7°36	22° 2	23°15	0°38	n.a.	T 8
W 9	22 49 54	10°28'57	22°14	26°48	19°40	26°11	24°45	26°31	18°28	2°49	7°36	21°54	23°12	0°45	n.a.	W 9
T 10	22 53 50	11°28'27	5♓46	28°29	20°55	26°50	24°47	26°32	18°29	2°47	7°35	21°48	23° 8	0°51	n.a.	T 10
F 11	22 57 47	12°27'58	19°35	0♍11	22°10	27°29	24°48	26°32	18°29	2°45	7°35	21°43	23° 5	0°58	n.a.	F 11
S 12	23 1 43	13°27'32	3♈37	1°53	23°25	28° 8	24°50	26°32	18°30	2°44	7°34	21°39	23° 2	1° 5	n.a.	S 12
S 13	23 5 40	14°27'08	17°48	3°37	24°40	28°48	24°51	26°33	18°30	2°42	7°34	21°D38	22°59	1°11	n.a.	S 13
M14	23 9 36	15°26'46	2♉ 5	5°20	25°55	29°27	24°52	26°R33	18°31	2°41	7°34	21°38	22°56	1°18	n.a.	M14
T 15	23 13 33	16°26'27	16°22	7° 4	27°10	0♍ 6	24°53	26°33	18°31	2°39	7°33	21°40	22°53	1°25	n.a.	T 15
W16	23 17 29	17°26'10	0♊38	8°48	28°25	0°45	24°53	26°32	18°32	2°37	7°33	21°41	22°49	1°31	n.a.	W16
T 17	23 21 26	18°25'56	14°49	10°31	29°40	1°24	24°53	26°32	18°33	2°36	7°33	21°R42	22°46	1°38	n.a.	T 17
F 18	23 25 22	19°25'44	28°55	12°15	0♎55	2° 3	24°R54	26°32	18°33	2°34	7°33	21°42	22°43	1°45	n.a.	F 18
S 19	23 29 19	20°25'35	12♋53	13°58	2°10	2°43	24°54	26°31	18°34	2°33	7°32	21°40	22°40	1°51	n.a.	S 19
S 20	23 33 16	21°25'28	26°43	15°40	3°25	3°22	24°53	26°31	18°35	2°31	7°32	21°37	22°37	1°58	n.a.	S 20
M21	23 37 12	22°25'23	10♌22	17°23	4°40	4° 1	24°53	26°30	18°36	2°29	7°32	21°33	22°33	2° 5	n.a.	M21
T 22	23 41 9	23°25'20	23°50	19° 5	5°55	4°40	24°52	26°29	18°37	2°28	7°32	21°28	22°30	2°11	n.a.	T 22
W23	23 45 5	24°25'19	7♍ 4	20°46	7°11	5°20	24°51	26°28	18°38	2°26	7°32	21°24	22°27	2°18	n.a.	W23
T 24	23 49 2	25°25'21	20° 3	22°27	8°26	5°59	24°50	26°27	18°39	2°25	7°32	21°20	22°24	2°25	n.a.	T 24
F 25	23 52 58	26°25'25	2♎48	24° 8	9°41	6°39	24°49	26°26	18°40	2°23	7°32	21°17	22°21	2°31	n.a.	F 25
S 26	23 56 55	27°25'30	15°18	25°48	10°56	7°18	24°47	26°25	18°41	2°22	7°D32	21°D16	22°18	2°38	n.a.	S 26
S 27	0 0 51	28°25'38	27°34	27°27	12°11	7°57	24°46	26°23	18°42	2°20	7°32	21°16	22°14	2°45	n.a.	S 27
M28	0 4 48	29°25'47	9♏38	29° 6	13°26	8°37	24°44	26°22	18°43	2°19	7°32	21°17	22°11	2°51	n.a.	M28
T 29	0 8 45	0♎25'58	21°33	0♎45	14°41	9°16	24°42	26°20	18°45	2°18	7°32	21°19	22° 8	2°58	n.a.	T 29
W30	0 12 41	1♎26'11	3♐23	2♎23	15♎56	9♍56	24♉40	26♉19	18♐46	2♓16	7♑32	21♎20	22♎ 5	3♐ 5	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n41	14s21	1n52	17n47	1n16	9n15	1n18	15n46	1n 9	18n20	0s49	17n53	1s45	23s30	0s16	11s57	1s32	30s 5	6s34	8s49	9s17	17s24		n.a.
W 2	10 20	16 39	2 49	17 33	1 25	8 45	1 17	15 33	1 9	18 20	0 49	17 53	1 45	23 30	0 16	11 57	1 32	30 5	6 34	8 50	9 16	17 25		n.a.
T 3	9 58	18 13	3 39	17 15	1 32	8 15	1 16	15 20	1 9	18 21	0 49	17 54	1 46	23 30	0 16	11 58	1 32	30 5	6 34	8 50	9 15	17 26		n.a.
F 4	9 36	19 0	4 19	16 55	1 39	7 45	1 15	15 7	1 9	18 22	0 49	17 54	1 46	23 30	0 16	11 59	1 32	30 5	6 34	8 49	9 13	17 26		n.a.
S 5	9 14	18 56	4 49	16 31	1 44	7 15	1 14	14 54	1 9	18 22	0 49	17 54	1 46	23 30	0 16	11 59	1 32	30 5	6 34	8 48	9 12	17 27		n.a.
S 6	8 52	17 59	5 6	16 5	1 49	6 44	1 13	14 41	1 8	18 23	0 49	17 54	1 46	23 30	0 16	12 0	1 32	30 4	6 34	8 46	9 11	17 28		n.a.
M 7	8 29	16 9	5 8	15 36	1 52	6 14	1 11	14 28	1 8	18 23	0 49	17 54	1 46	23 30	0 16	12 1	1 32	30 4	6 34	8 44	9 10	17 28		n.a.
T 8	8 7	13 29	4 56	15 6	1 54	5 43	1 10	14 14	1 8	18 24	0 49	17 54	1 46	23 30	0 16	12 1	1 32	30 4	6 34	8 41	9 9	17 29		n.a.
W 9	7 44	10 4	4 27	14 33	1 56	5 12	1 9	14 1	1 8	18 24	0 49	17 54	1 46	23 30	0 16	12 2	1 32	30 4	6 33	8 38	9 8	17 30		n.a.
T 10	7 21	6 3	3 43	13 58	1 56	4 40	1 7	13 47	1 8	18 25	0 49	17 54	1 46	23 30	0 16	12 2	1 32	30 4	6 33	8 36	9 6	17 30		n.a.
F 11	6 58	1 39	2 45	13 22	1 56	4 9	1 6	13 34	1 8	18 25	0 49	17 54	1 47	23 30	0 16	12 3	1 32	30 4	6 33	8 34	9 5	17 31		n.a.
S 12	6 35	2n56	1 37	12 44	1 56	3 38	1 4	13 20	1 8	18 25	0 49	17 54	1 47	23 30	0 16	12 4	1 32	30 4	6 33	8 33	9 4	17 32		n.a.
S 13	6 12	7 24	0 21	12 5	1 54	3 6	1 3	13 6	1 8	18 26	0 49	17 54	1 47	23 30	0 16	12 4	1 32	30 4	6 33	8 32	9 3	17 33		n.a.
M14	5 48	11 28	0s57	11 25	1 52	2 35	1 1	12 52	1 8	18 26	0 49	17 54	1 47	23 30	0 16	12 5	1 32	30 4	6 33	8 32	9 2	17 33		n.a.
T 15	5 25	14 51	2 11	10 43	1 50	2 3	0 59	12 38	1 8	18 26	0 49	17 54	1 47	23 30	0 16	12 5	1 32	30 4	6 33	8 33	9 0	17 34		n.a.
W16	5 2	17 20	3 17	10 1	1 47	1 31	0 58	12 24	1 7	18 26	0 49	17 54	1 47	23 30	0 16	12 6	1 32	30 4	6 33	8 33	8 59	17 35		n.a.
T 17	4 38	18 43	4 11	9 18	1 43	0 59	0 56	12 10	1 7	18 26	0 49	17 54	1 47	23 30	0 16	12 6	1 32	30 4	6 33	8 34	8 58	17 35		n.a.
F 18	4 14	18 56	4 49	8 35	1 39	0 27	0 54	11 55	1 7	18 26	0 49	17 53	1 47	23 30	0 16	12 7	1 32	30 4	6 33	8 34	8 57	17 36		n.a.
S 19	3 50	17 59	5 9	7 51	1 35	0s 5	0 52	11 41	1 7	18 26	0 49	17 53	1 47	23 30	0 16	12 8	1 32	30 4	6 32	8 33	8 56	17 36		n.a.
S 20	3 27	15 59	5 12	7 6	1 31	0 37	0 50	11 26	1 7	18 26	0 50	17 53	1 48	23 31	0 16	12 8	1 32	30 3	6 32	8 32	8 54	17 37		n.a.
M21	3 3	13 7	4 56	6 22	1 26	1 8	0 48	11 12	1 7	18 26	0 50	17 53	1 48	23 31	0 16	12 9	1 32	30 3	6 32	8 30	8 53	17 38		n.a.
T 22	2 39	9 35	4 25	5 37	1 21	1 40	0 46	10 57	1 7	18 26	0 50	17 52	1 48	23 31	0 16	12 9	1 32	30 3	6 32	8 28	8 52	17 38		n.a.
W23	2 15	5 38	3 39	4 51	1 15	2 12	0 44	10 42	1 6	18 25	0 50	17 52	1 48	23 31	0 16	12 10	1 32	30 3	6 32	8 27	8 51	17 39		n.a.
T 24	1 50	1 29	2 43	4 6	1 10	2 44	0 42	10 27	1 6	18 25	0 50	17 52	1 48	23 31	0 16	12 10	1 32	30 3	6 32	8 25	8 50	17 40		n.a.
F 25	1 26	2s39	1 40	3 20	1 4	3 16	0 40	10 13	1 6	18 25	0 50	17 51	1 48	23 31	0 16	12 11	1 32	30 3	6 32	8 24	8 48	17 40		n.a.
S 26	1 2	6 36	0 33	2 35	0 58	3 48	0 38	9 58	1 6	18 24	0 50	17 51	1 48	23 31	0 16	12 11	1 32	30 3	6 32	8 24	8 47	17 41		n.a.
S 27	0 38	10 12	0n35	1 49	0 52	4 19	0 36	9 43	1 6	18 24	0 50	17 50	1 48	23 31	0 16	12 12	1 32	30 3	6 32	8 24	8 46	17 42		n.a.
M28	0 14	13 19	1 40	1 4	0 46	4 51	0 34	9 27	1 6	18 24	0 50	17 50	1 48	23 31	0 16	12 12	1 32	30 3	6 32	8 24	8 45	17 42		n.a.
T 29	0s10	16 49	2 40	0 19	0 40	5 23	0 31	9 12	1 6	18 23	0 50	17 50	1 48	23 31	0 16	12 13	1 32	30 3	6 31	8 25	8 44	17 43		n.a.
W30	0s35	17s38	3n32	0s27	0n34	5s54	0n29	8n57	1n 5	18n22	0s50	17n49	1s49	23s31	0s16	12s13	1s32	30s 2	6s31	8s26	8s42	17s44		n.a.

Julian Day Number = 1559495.5, Delta T = 04h25m11s
Ecliptic obliquity = 23°44'48, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'42, Lahiri = -10°04'42 Julian Calendar 1 Sept. 444 BCE == Greg. Calendar 27 Aug. 444 BCE

The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

OCTOBER 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 16 38	2♎26'26	15♐13	4♎ 0	17♎11	10♍35	24°R37	26°R17	18♐47	2°R15	7♑32	21♎22	22♎ 2	3♐12	n.a.	T 1
F 2	0 20 34	3°26'42	27° 6	5°37	18°26	11°15	24♉34	26♉15	18°49	2♓13	7°32	21°23	21°58	3°18	n.a.	F 2
S 3	0 24 31	4°27'00	9♑ 7	7°14	19°41	11°54	24°32	26°13	18°50	2°12	7°32	21°R23	21°55	3°25	n.a.	S 3
S 4	0 28 27	5°27'19	21°22	8°50	20°56	12°34	24°29	26°11	18°52	2°11	7°32	21°22	21°52	3°32	n.a.	S 4
M 5	0 32 24	6°27'40	3♒55	10°26	22°11	13°13	24°25	26° 8	18°54	2° 9	7°33	21°21	21°49	3°38	n.a.	M 5
T 6	0 36 20	7°28'03	16°49	12° 1	23°26	13°53	24°22	26° 6	18°55	2° 8	7°33	21°19	21°46	3°45	n.a.	T 6
W 7	0 40 17	8°28'27	0♓ 7	13°36	24°41	14°33	24°18	26° 4	18°57	2° 7	7°33	21°17	21°43	3°52	n.a.	W 7
T 8	0 44 13	9°28'53	13°49	15°11	25°56	15°12	24°14	26° 1	18°59	2° 5	7°34	21°15	21°39	3°58	n.a.	T 8
F 9	0 48 10	10°29'20	27°54	16°45	27°11	15°52	24°10	25°58	19° 0	2° 4	7°34	21°14	21°36	4° 5	n.a.	F 9
S 10	0 52 7	11°29'49	12♈17	18°19	28°26	16°32	24° 6	25°56	19° 2	2° 3	7°34	21°13	21°33	4°12	n.a.	S 10
S 11	0 56 3	12°30'20	26°55	19°53	29°41	17°11	24° 2	25°53	19° 4	2° 2	7°35	21°D13	21°30	4°18	n.a.	S 11
M12	1 0 0	13°30'52	11♉40	21°26	0♏56	17°51	23°57	25°50	19° 6	2° 1	7°35	21°14	21°27	4°25	n.a.	M12
T 13	1 3 56	14°31'26	26°24	22°59	2°11	18°31	23°53	25°47	19° 8	2° 0	7°36	21°14	21°24	4°32	n.a.	T 13
W14	1 7 53	15°32'03	11♊ 3	24°32	3°26	19°11	23°48	25°44	19°10	1°58	7°36	21°15	21°20	4°38	n.a.	W14
T 15	1 11 49	16°32'41	25°30	26° 4	4°41	19°51	23°43	25°41	19°12	1°57	7°37	21°15	21°17	4°45	n.a.	T 15
F 16	1 15 46	17°33'21	9♋42	27°37	5°56	20°30	23°37	25°37	19°14	1°56	7°37	21°16	21°14	4°52	n.a.	F 16
S 17	1 19 42	18°34'03	23°38	29° 9	7°11	21°10	23°32	25°34	19°16	1°55	7°38	21°R16	21°11	4°58	n.a.	S 17
S 18	1 23 39	19°34'46	7♌16	0♏40	8°26	21°50	23°26	25°30	19°18	1°54	7°38	21°16	21° 8	5° 5	n.a.	S 18
M19	1 27 36	20°35'32	20°37	2°12	9°41	22°30	23°21	25°27	19°20	1°53	7°39	21°15	21° 4	5°12	n.a.	M19
T 20	1 31 32	21°36'19	3♍42	3°43	10°56	23°10	23°15	25°23	19°23	1°52	7°39	21°D15	21° 1	5°18	n.a.	T 20
W21	1 35 29	22°37'08	16°33	5°14	12°11	23°50	23° 9	25°19	19°25	1°51	7°40	21°16	20°58	5°25	n.a.	W21
T 22	1 39 25	23°37'58	29°10	6°45	13°26	24°30	23° 3	25°16	19°27	1°50	7°41	21°16	20°55	5°32	n.a.	T 22
F 23	1 43 22	24°38'50	11♎36	8°15	14°40	25°10	22°56	25°12	19°30	1°50	7°42	21°16	20°52	5°39	n.a.	F 23
S 24	1 47 18	25°39'43	23°51	9°45	15°55	25°50	22°50	25° 8	19°32	1°49	7°42	21°R16	20°49	5°45	n.a.	S 24
S 25	1 51 15	26°40'38	5♏56	11°15	17°10	26°30	22°43	25° 4	19°34	1°48	7°43	21°16	20°45	5°52	n.a.	S 25
M26	1 55 11	27°41'33	17°54	12°45	18°25	27°10	22°37	25° 0	19°37	1°47	7°44	21°15	20°42	5°59	n.a.	M26
T 27	1 59 8	28°42'30	29°47	14°14	19°40	27°50	22°30	24°56	19°39	1°46	7°45	21°14	20°39	6° 5	n.a.	T 27
W28	2 3 5	29°43'28	11♐36	15°42	20°55	28°31	22°23	24°51	19°42	1°46	7°46	21°13	20°36	6°12	n.a.	W28
T 29	2 7 1	0♏44'28	23°26	17°10	22°10	29°11	22°16	24°47	19°45	1°45	7°46	21°12	20°33	6°19	n.a.	T 29
F 30	2 10 58	1°45'28	5♑18	18°38	23°25	29°51	22° 9	24°43	19°47	1°44	7°47	21°10	20°29	6°25	n.a.	F 30
S 31	2 14 54	2♏46'29	17♑18	20♏ 5	24♏39	0♎31	22♉ 1	24♉38	19♐50	1♓44	7♑48	21♎ 9	20♎26	6♐32	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	0s59	18s41	4n16	1s12	0n27	6s25	0n27	8n42	1n 5	18n22	0s50	17n49	1s49	23s32	0s16	12s14	1s32	30s 2	6s31	8s26	8s41	17s44			n.a.
F 2	1 23	18 54	4 49	1 57	0 21	6 56	0 25	8 26	1 5	18 21	0 50	17 48	1 49	23 32	0 16	12 14	1 32	30 2	6 31	8 26	8 40	17 45			n.a.
S 3	1 47	18 17	5 9	2 41	0 14	7 27	0 22	8 11	1 5	18 20	0 50	17 47	1 49	23 32	0 16	12 15	1 32	30 2	6 31	8 26	8 39	17 45			n.a.
S 4	2 12	16 49	5 17	3 26	0 8	7 58	0 20	7 55	1 5	18 20	0 50	17 47	1 49	23 32	0 16	12 15	1 32	30 2	6 31	8 26	8 38	17 46			n.a.
M 5	2 36	14 31	5 9	4 10	0 1	8 29	0 17	7 40	1 4	18 19	0 50	17 46	1 49	23 32	0 16	12 16	1 32	30 2	6 31	8 26	8 36	17 47			n.a.
T 6	3 0	11 27	4 46	4 54	0s 6	8 59	0 15	7 24	1 4	18 18	0 50	17 46	1 49	23 32	0 16	12 16	1 32	30 2	6 31	8 25	8 35	17 47			n.a.
W 7	3 24	7 44	4 7	5 37	0 12	9 29	0 12	7 9	1 4	18 17	0 50	17 45	1 49	23 32	0 16	12 17	1 32	30 2	6 31	8 24	8 34	17 48			n.a.
T 8	3 48	3 29	3 13	6 20	0 19	9 59	0 10	6 53	1 4	18 16	0 50	17 44	1 49	23 32	0 16	12 17	1 32	30 1	6 30	8 24	8 33	17 48			n.a.
F 9	4 12	1n 4	2 6	7 3	0 25	10 29	0 8	6 37	1 4	18 15	0 50	17 44	1 49	23 33	0 16	12 18	1 32	30 1	6 30	8 23	8 32	17 49			n.a.
S 10	4 36	5 40	0 49	7 46	0 32	10 59	0 5	6 21	1 3	18 14	0 50	17 43	1 49	23 33	0 16	12 18	1 32	30 1	6 30	8 23	8 30	17 50			n.a.
S 11	5 0	10 1	0s32	8 27	0 38	11 28	0 3	6 5	1 3	18 13	0 50	17 42	1 49	23 33	0 16	12 18	1 32	30 1	6 30	8 23	8 29	17 50			n.a.
M12	5 24	13 46	1 51	9 9	0 45	11 57	0s 0	5 50	1 3	18 12	0 50	17 41	1 50	23 33	0 16	12 19	1 31	30 1	6 30	8 23	8 28	17 51			n.a.
T 13	5 48	16 38	3 3	9 50	0 51	12 26	0 3	5 34	1 3	18 11	0 50	17 41	1 50	23 33	0 16	12 19	1 31	30 1	6 30	8 23	8 27	17 51			n.a.
W14	6 11	18 23	4 3	10 30	0 57	12 54	0 5	5 18	1 3	18 10	0 50	17 40	1 50	23 33	0 16	12 20	1 31	30 1	6 30	8 24	8 26	17 52			n.a.
T 15	6 35	18 54	4 46	11 10	1 3	13 22	0 8	5 2	1 2	18 8	0 50	17 39	1 50	23 34	0 16	12 20	1 31	30 0	6 30	8 24	8 24	17 52			n.a.
F 16	6 59	18 13	5 11	11 50	1 9	13 50	0 10	4 45	1 2	18 7	0 50	17 38	1 50	23 34	0 16	12 20	1 31	30 0	6 30	8 24	8 23	17 53			n.a.
S 17	7 22	16 26	5 17	12 29	1 15	14 17	0 13	4 29	1 2	18 6	0 50	17 37	1 50	23 34	0 16	12 21	1 31	30 0	6 29	8 24	8 22	17 54			n.a.
S 18	7 45	13 46	5 6	13 7	1 21	14 44	0 15	4 13	1 2	18 4	0 50	17 36	1 50	23 34	0 16	12 21	1 31	30 0	6 29	8 24	8 21	17 54			n.a.
M19	8 9	10 26	4 37	13 44	1 26	15 11	0 18	3 57	1 1	18 3	0 49	17 35	1 50	23 34	0 16	12 21	1 31	30 0	6 29	8 24	8 20	17 55			n.a.
T 20	8 32	6 38	3 55	14 21	1 32	15 37	0 20	3 41	1 1	18 2	0 49	17 35	1 50	23 34	0 16	12 22	1 31	30 0	6 29	8 24	8 18	17 55			n.a.
W21	8 55	2 36	3 1	14 57	1 37	16 3	0 23	3 25	1 1	18 0	0 49	17 34	1 50	23 35	0 16	12 22	1 31	30 0	6 29	8 24	8 17	17 56			n.a.
T 22	9 17	1s30	2 0	15 33	1 42	16 28	0 25	3 8	1 1	17 59	0 49	17 33	1 50	23 35	0 16	12 22	1 31	29 59	6 29	8 24	8 16	17 56			n.a.
F 23	9 40	5 28	0 54	16 7	1 47	16 54	0 28	2 52	1 0	17 57	0 49	17 32	1 50	23 35	0 16	12 23	1 31	29 59	6 29	8 24	8 15	17 57			n.a.
S 24	10 3	9 9	0n14	16 41	1 52	17 18	0 31	2 36	1 0	17 55	0 49	17 31	1 50	23 35	0 16	12 23	1 31	29 59	6 29	8 24	8 13	17 57			n.a.
S 25	10 25	12 24	1 21	17 14	1 56	17 42	0 33	2 19	1 0	17 54	0 49	17 30	1 50	23 35	0 16	12 23	1 31	29 59	6 29	8 24	8 12	17 58			n.a.
M26	10 47	15 6	2 23	17 46	2 0	18 6	0 36	2 3	1 0	17 52	0 49	17 29	1 50	23 36	0 16	12 23	1 31	29 59	6 29	8 24	8 11	17 59			n.a.
T 27	11 9	17 8	3 18	18 17	2 4	18 29	0 38	1 46	0 59	17 50	0 49	17 28	1 50	23 36	0 16	12 24	1 31	29 59	6 28	8 23	8 10	17 59			n.a.
W28	11 31	18 26	4 5	18 47	2 8	18 52	0 40	1 30	0 59	17 49	0 49	17 27	1 50	23 36	0 15	12 24	1 31	29 59	6 28	8 23	8 9	18 0			n.a.
T 29	11 53	18 55	4 41	19 16	2 11	19 14	0 43	1 14	0 59	17 47	0 49	17 26	1 50	23 36	0 15	12 24	1 31	29 58	6 28	8 22	8 7	18 0			n.a.
F 30	12 14	18 34	5 5	19 44	2 14	19 36	0 45	0 57	0 58	17 45	0 49	17 25	1 50	23 36	0 15	12 24	1 31	29 58	6 28	8 22	8 6	18 1			n.a.
S 31	12s35	17s23	5n16	20s11	2s17	19s57	0s48	0n41	0n58	17n43	0s49	17n24	1s50	23s37	0s15	12s24	1s31	29s58	6s28	8s21	8s 5	18s 1			n.a.

Julian Day Number = 1559525.5, Delta T = 04h25m10s
Ecliptic obliquity = 23°44'48, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'38, Lahiri = -10°04'38 Julian Calendar 1 Oct. 444 BCE == Greg. Calendar 26 Sept. 444 BCE

The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

NOVEMBER 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 18 51	3♏47'30	29♑29	21♏31	25♏54	1♎11	21°R54	24°R34	19♐53	1°R43	7♑49	21°D 9	20♎23	6♐39	n.a.	S 1
M 2	2 22 47	4°48'33	11♒56	22°56	27° 9	1°52	21♉46	24♉29	19°55	1♓43	7°50	21♎ 9	20°20	6°45	n.a.	M 2
T 3	2 26 44	5°49'36	24°44	24°20	28°24	2°32	21°39	24°25	19°58	1°42	7°51	21°10	20°17	6°52	n.a.	T 3
W 4	2 30 40	6°50'40	7♓56	25°43	29°39	3°12	21°31	24°20	20° 1	1°42	7°52	21°11	20°14	6°59	n.a.	W 4
T 5	2 34 37	7°51'45	21°34	27° 4	0♐53	3°52	21°24	24°16	20° 4	1°41	7°53	21°12	20°10	7° 5	n.a.	T 5
F 6	2 38 34	8°52'50	5♈39	28°24	2° 8	4°33	21°16	24°11	20° 7	1°41	7°54	21°13	20° 7	7°12	n.a.	F 6
S 7	2 42 30	9°53'56	20°10	29°42	3°23	5°13	21° 8	24° 6	20° 9	1°40	7°56	21°R14	20° 4	7°19	n.a.	S 7
S 8	2 46 27	10°55'02	5♉ 2	0♐57	4°38	5°53	21° 0	24° 1	20°12	1°40	7°57	21°13	20° 1	7°25	n.a.	S 8
M 9	2 50 23	11°56'10	20° 8	2°10	5°52	6°34	20°52	23°57	20°15	1°40	7°58	21°12	19°58	7°32	n.a.	M 9
T 10	2 54 20	12°57'18	5♊18	3°20	7° 7	7°14	20°44	23°52	20°18	1°39	7°59	21° 9	19°55	7°39	n.a.	T 10
W11	2 58 16	13°58'27	20°22	4°27	8°22	7°55	20°36	23°47	20°21	1°39	8° 0	21° 6	19°51	7°46	n.a.	W11
T 12	3 2 13	14°59'37	5♋13	5°29	9°36	8°35	20°28	23°42	20°24	1°39	8° 1	21° 3	19°48	7°52	n.a.	T 12
F 13	3 6 9	16° 0'48	19°42	6°27	10°51	9°16	20°20	23°37	20°27	1°39	8° 3	21° 0	19°45	7°59	n.a.	F 13
S 14	3 10 6	17° 2'00	3♌47	7°19	12° 6	9°56	20°12	23°32	20°31	1°38	8° 4	20°58	19°42	8° 6	n.a.	S 14
S 15	3 14 3	18° 3'13	17°27	8° 6	13°20	10°37	20° 4	23°27	20°34	1°38	8° 5	20°D58	19°39	8°12	n.a.	S 15
M16	3 17 59	19° 4'26	0♍43	8°45	14°35	11°17	19°55	23°22	20°37	1°38	8° 6	20°58	19°35	8°19	n.a.	M16
T 17	3 21 56	20° 5'40	13°37	9°17	15°50	11°58	19°47	23°17	20°40	1°38	8° 8	21° 0	19°32	8°26	n.a.	T 17
W18	3 25 52	21° 6'55	26°13	9°39	17° 4	12°39	19°39	23°12	20°43	1°D38	8° 9	21° 1	19°29	8°32	n.a.	W18
T 19	3 29 49	22° 8'11	8♎34	9°53	18°19	13°19	19°31	23° 7	20°46	1°38	8°10	21° 3	19°26	8°39	n.a.	T 19
F 20	3 33 45	23° 9'27	20°44	9°R56	19°33	14° 0	19°23	23° 2	20°50	1°38	8°12	21°R 4	19°23	8°46	n.a.	F 20
S 21	3 37 42	24°10'43	2♏46	9°48	20°48	14°41	19°15	22°57	20°53	1°38	8°13	21° 3	19°20	8°52	n.a.	S 21
S 22	3 41 38	25°12'00	14°42	9°28	22° 2	15°22	19° 6	22°52	20°56	1°38	8°15	21° 0	19°16	8°59	n.a.	S 22
M23	3 45 35	26°13'18	26°34	8°56	23°17	16° 2	18°58	22°47	20°59	1°39	8°16	20°56	19°13	9° 6	n.a.	M23
T 24	3 49 32	27°14'35	8♐24	8°13	24°31	16°43	18°50	22°42	21° 3	1°39	8°18	20°50	19°10	9°13	n.a.	T 24
W25	3 53 28	28°15'53	20°15	7°19	25°46	17°24	18°42	22°37	21° 6	1°39	8°19	20°43	19° 7	9°19	n.a.	W25
T 26	3 57 25	29°17'10	2♑ 6	6°15	27° 0	18° 5	18°35	22°32	21° 9	1°39	8°21	20°35	19° 4	9°26	n.a.	T 26
F 27	4 1 21	0♐18'28	14° 2	5° 3	28°15	18°46	18°27	22°27	21°13	1°40	8°22	20°27	19° 1	9°33	n.a.	F 27
S 28	4 5 18	1°19'45	26° 3	3°46	29°29	19°26	18°19	22°22	21°16	1°40	8°24	20°21	18°57	9°39	n.a.	S 28
S 29	4 9 14	2°21'03	8♒14	2°25	0♑43	20° 7	18°11	22°18	21°20	1°40	8°25	20°16	18°54	9°46	n.a.	S 29
M30	4 13 11	3♐22'19	20♒38	1♐ 3	1♑58	20♎48	18♉ 3	22♉13	21♐23	1♓41	8♑27	20♎13	18♎51	9♐53	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	12s57	15s24	5n14	20s36	2s19	20s17	0s50	0n24	0n58	17n42	0s49	17n22	1s50	23s37	0s15	12s25	1s31	29s58	6s28	8s21	8s 4	18s 2			n.a.
M 2	13 17	12 41	4 56	21 0	2 20	20 37	0 52	0 8	0 58	17 40	0 49	17 21	1 50	23 37	0 15	12 25	1 31	29 58	6 28	8 21	8 3	18 2			n.a.
T 3	13 38	9 18	4 24	21 23	2 22	20 57	0 55	0s 9	0 57	17 38	0 49	17 20	1 50	23 37	0 15	12 25	1 31	29 58	6 28	8 22	8 1	18 3			n.a.
W 4	13 58	5 21	3 37	21 44	2 22	21 16	0 57	0 25	0 57	17 36	0 48	17 19	1 50	23 37	0 15	12 25	1 31	29 58	6 28	8 22	8 0	18 3			n.a.
T 5	14 19	0 59	2 37	22 4	2 22	21 34	0 59	0 42	0 57	17 34	0 48	17 18	1 50	23 38	0 15	12 25	1 31	29 57	6 28	8 22	7 59	18 4			n.a.
F 6	14 38	3n34	1 25	22 22	2 22	21 52	1 2	0 58	0 56	17 32	0 48	17 17	1 50	23 38	0 15	12 25	1 31	29 57	6 28	8 23	7 58	18 4			n.a.
S 7	14 58	8 4	0 6	22 38	2 21	22 9	1 4	1 15	0 56	17 30	0 48	17 16	1 50	23 38	0 15	12 25	1 31	29 57	6 27	8 23	7 57	18 5			n.a.
S 8	15 18	12 11	1s16	22 53	2 19	22 25	1 6	1 31	0 56	17 28	0 48	17 15	1 50	23 38	0 15	12 26	1 31	29 57	6 27	8 23	7 55	18 5			n.a.
M 9	15 37	15 33	2 33	23 5	2 16	22 41	1 8	1 48	0 55	17 26	0 48	17 13	1 50	23 38	0 15	12 26	1 30	29 57	6 27	8 22	7 54	18 6			n.a.
T 10	15 56	17 51	3 40	23 16	2 13	22 56	1 10	2 4	0 55	17 24	0 48	17 12	1 50	23 39	0 15	12 26	1 30	29 57	6 27	8 21	7 53	18 6			n.a.
W11	16 14	18 53	4 31	23 24	2 9	23 10	1 12	2 21	0 55	17 22	0 48	17 11	1 50	23 39	0 15	12 26	1 30	29 56	6 27	8 20	7 52	18 7			n.a.
T 12	16 33	18 36	5 3	23 31	2 3	23 24	1 14	2 37	0 54	17 20	0 48	17 10	1 50	23 39	0 15	12 26	1 30	29 56	6 27	8 19	7 50	18 7			n.a.
F 13	16 51	17 5	5 15	23 35	1 57	23 37	1 16	2 54	0 54	17 18	0 47	17 9	1 50	23 39	0 15	12 26	1 30	29 56	6 27	8 18	7 49	18 8			n.a.
S 14	17 8	14 35	5 7	23 37	1 49	23 49	1 18	3 10	0 54	17 16	0 47	17 8	1 50	23 40	0 15	12 26	1 30	29 56	6 27	8 17	7 48	18 8			n.a.
S 15	17 26	11 20	4 42	23 36	1 41	24 1	1 20	3 26	0 53	17 14	0 47	17 6	1 50	23 40	0 15	12 26	1 30	29 56	6 27	8 17	7 47	18 9			n.a.
M16	17 43	7 35	4 2	23 32	1 31	24 12	1 22	3 43	0 53	17 12	0 47	17 5	1 50	23 40	0 15	12 26	1 30	29 56	6 27	8 17	7 46	18 9			n.a.
T 17	18 0	3 35	3 11	23 26	1 20	24 22	1 24	3 59	0 52	17 9	0 47	17 4	1 49	23 40	0 15	12 26	1 30	29 56	6 27	8 18	7 44	18 10			n.a.
W18	18 16	0s30	2 12	23 17	1 7	24 31	1 25	4 16	0 52	17 7	0 47	17 3	1 49	23 40	0 15	12 26	1 30	29 55	6 27	8 18	7 43	18 10			n.a.
T 19	18 32	4 29	1 8	23 5	0 53	24 40	1 27	4 32	0 52	17 5	0 47	17 2	1 49	23 41	0 15	12 26	1 30	29 55	6 27	8 19	7 42	18 11			n.a.
F 20	18 48	8 13	0 2	22 51	0 38	24 48	1 29	4 48	0 51	17 3	0 46	17 1	1 49	23 41	0 16	12 26	1 30	29 55	6 27	8 19	7 41	18 11			n.a.
S 21	19 3	11 36	1n 4	22 33	0 21	24 55	1 30	5 5	0 51	17 1	0 46	16 59	1 49	23 41	0 16	12 26	1 30	29 55	6 27	8 19	7 40	18 11			n.a.
S 22	19 19	14 27	2 6	22 12	0 3	25 2	1 32	5 21	0 50	16 59	0 46	16 58	1 49	23 41	0 16	12 25	1 30	29 55	6 26	8 18	7 38	18 12			n.a.
M23	19 33	16 42	3 2	21 49	0n16	25 7	1 33	5 37	0 50	16 57	0 46	16 57	1 49	23 42	0 16	12 25	1 30	29 55	6 26	8 16	7 37	18 12			n.a.
T 24	19 48	18 13	3 50	21 22	0 36	25 12	1 34	5 53	0 50	16 55	0 46	16 56	1 49	23 42	0 16	12 25	1 30	29 55	6 26	8 14	7 36	18 13			n.a.
W25	20 2	18 56	4 27	20 54	0 56	25 16	1 36	6 10	0 49	16 53	0 46	16 55	1 49	23 42	0 16	12 25	1 30	29 54	6 26	8 11	7 35	18 13			n.a.
T 26	20 15	18 50	4 54	20 23	1 16	25 20	1 37	6 26	0 49	16 51	0 45	16 54	1 49	23 42	0 16	12 25	1 30	29 54	6 26	8 8	7 33	18 14			n.a.
F 27	20 29	17 54	5 8	19 51	1 35	25 22	1 38	6 42	0 48	16 49	0 45	16 52	1 48	23 43	0 16	12 25	1 30	29 54	6 26	8 5	7 32	18 14			n.a.
S 28	20 41	16 10	5 8	19 18	1 54	25 24	1 39	6 58	0 48	16 47	0 45	16 51	1 48	23 43	0 16	12 25	1 30	29 54	6 26	8 3	7 31	18 15			n.a.
S 29	20 54	13 42	4 55	18 46	2 12	25 25	1 40	7 14	0 47	16 45	0 45	16 50	1 48	23 43	0 16	12 25	1 30	29 54	6 26	8 1	7 30	18 15			n.a.
M30	21s 6	10s35	4n27	18s14	2n27	25s25	1s41	7s30	0n47	16n43	0s45	16n49	1s48	23s43	0s16	12s24	1s30	29s54	6s26	8s 0	7s29	18s15			n.a.

Julian Day Number = 1559556.5, Delta T = 04h25m09s
Ecliptic obliquity = 23°44'48, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'34, Lahiri = -10°04'33 Julian Calendar 1 Nov. 444 BCE == Greg. Calendar 27 Oct. 444 BCE

The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 444 BCE
geocentric

DECEMBER 444 BCE (-443) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 17 8	4♐23'36	3♓19	29°R44	3♑12	21♎29	17°R56	22°R 8	21♐26	1♓41	8♑28	20°D12	18♎48	9♐59	n.a.	T 1
W 2	4 21 4	5°24'52	16°21	28♏29	4°26	22°10	17♉48	22♉ 3	21°30	1°42	8°30	20♎13	18°45	10° 6	n.a.	W 2
T 3	4 25 1	6°26'07	29°48	27°21	5°41	22°51	17°41	21°58	21°33	1°42	8°31	20°14	18°41	10°13	n.a.	T 3
F 4	4 28 57	7°27'23	13♈42	26°21	6°55	23°32	17°34	21°54	21°37	1°43	8°33	20°R15	18°38	10°19	n.a.	F 4
S 5	4 32 54	8°28'37	28° 4	25°30	8° 9	24°13	17°27	21°49	21°40	1°43	8°35	20°15	18°35	10°26	n.a.	S 5
S 6	4 36 50	9°29'51	12♉51	24°49	9°23	24°54	17°20	21°44	21°44	1°44	8°36	20°13	18°32	10°33	n.a.	S 6
M 7	4 40 47	10°31'05	27°59	24°18	10°37	25°35	17°13	21°40	21°47	1°44	8°38	20° 9	18°29	10°40	n.a.	M 7
T 8	4 44 43	11°32'18	13♊18	23°57	11°51	26°16	17° 6	21°35	21°51	1°45	8°40	20° 2	18°26	10°46	n.a.	T 8
W 9	4 48 40	12°33'31	28°38	23°45	13° 5	26°57	16°59	21°31	21°54	1°46	8°41	19°54	18°22	10°53	n.a.	W 9
T 10	4 52 37	13°34'44	13♋46	23°D43	14°19	27°38	16°53	21°26	21°58	1°47	8°43	19°45	18°19	11° 0	n.a.	T 10
F 11	4 56 33	14°35'56	28°34	23°49	15°33	28°20	16°46	21°22	22° 1	1°47	8°45	19°37	18°16	11° 6	n.a.	F 11
S 12	5 0 30	15°37'08	12♌55	24° 4	16°47	29° 1	16°40	21°18	22° 5	1°48	8°46	19°31	18°13	11°13	n.a.	S 12
S 13	5 4 26	16°38'20	26°45	24°25	18° 1	29°42	16°34	21°13	22° 8	1°49	8°48	19°27	18°10	11°20	n.a.	S 13
M14	5 8 23	17°39'31	10♍ 6	24°53	19°15	0♏23	16°28	21° 9	22°12	1°50	8°50	19°25	18° 7	11°26	n.a.	M14
T 15	5 12 19	18°40'42	23° 1	25°27	20°29	1° 5	16°22	21° 5	22°15	1°51	8°52	19°D24	18° 3	11°33	n.a.	T 15
W16	5 16 16	19°41'52	5♎33	26° 6	21°42	1°46	16°16	21° 1	22°19	1°52	8°53	19°25	18° 0	11°40	n.a.	W16
T 17	5 20 12	20°43'02	17°48	26°50	22°56	2°27	16°10	20°57	22°23	1°53	8°55	19°R26	17°57	11°47	n.a.	T 17
F 18	5 24 9	21°44'12	29°50	27°39	24°10	3° 8	16° 5	20°53	22°26	1°54	8°57	19°25	17°54	11°53	n.a.	F 18
S 19	5 28 6	22°45'20	11♏45	28°31	25°23	3°50	16° 0	20°49	22°30	1°55	8°59	19°22	17°51	12° 0	n.a.	S 19
S 20	5 32 2	23°46'29	23°35	29°27	26°37	4°31	15°55	20°45	22°33	1°56	9° 0	19°17	17°47	12° 7	n.a.	S 20
M21	5 35 59	24°47'36	5♐23	0♐26	27°51	5°13	15°50	20°42	22°37	1°57	9° 2	19° 9	17°44	12°13	n.a.	M21
T 22	5 39 55	25°48'43	17°14	1°28	29° 4	5°54	15°45	20°38	22°40	1°58	9° 4	18°58	17°41	12°20	n.a.	T 22
W23	5 43 52	26°49'49	29° 7	2°33	0♒18	6°35	15°41	20°34	22°44	1°59	9° 6	18°45	17°38	12°27	n.a.	W23
T 24	5 47 48	27°50'54	11♑ 4	3°40	1°31	7°17	15°36	20°31	22°47	2° 0	9° 8	18°31	17°35	12°33	n.a.	T 24
F 25	5 51 45	28°51'58	23° 7	4°49	2°44	7°58	15°32	20°28	22°51	2° 2	9° 9	18°18	17°32	12°40	n.a.	F 25
S 26	5 55 42	29°53'01	5♒17	6° 0	3°58	8°40	15°28	20°24	22°54	2° 3	9°11	18° 5	17°28	12°47	n.a.	S 26
S 27	5 59 38	0♑54'02	17°35	7°13	5°11	9°21	15°24	20°21	22°58	2° 4	9°13	17°56	17°25	12°54	n.a.	S 27
M28	6 3 35	1°55'02	0♓ 3	8°28	6°24	10° 3	15°21	20°18	23° 2	2° 5	9°15	17°49	17°22	13° 0	n.a.	M28
T 29	6 7 31	2°56'01	12°45	9°44	7°37	10°44	15°17	20°15	23° 5	2° 7	9°17	17°45	17°19	13° 7	n.a.	T 29
W30	6 11 28	3°56'58	25°43	11° 1	8°50	11°26	15°14	20°12	23° 9	2° 8	9°19	17°43	17°16	13°14	n.a.	W30
T 31	6 15 24	4♑57'53	9♈ 1	12♐20	10♒ 3	12♏ 7	15♉11	20♉ 9	23♐12	2♓10	9♑20	17°D43	17♎13	13♐20	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21s18	6s54	3n47	17s44	2n41	25s25	1s42	7s46	0n47	16n41	0s44	16n48	1s48	23s43	0s16	12s24	1s30	29s54	6s26	8s 0	7s27	18s16			n.a.
W 2	21 29	2 48	2 53	17 17	2 52	25 23	1 43	8 2	0 46	16 39	0 44	16 47	1 48	23 44	0 16	12 24	1 29	29 53	6 26	8 0	7 26	18 16			n.a.
T 3	21 40	1n34	1 48	16 53	3 1	25 21	1 44	8 17	0 46	16 37	0 44	16 46	1 48	23 44	0 16	12 24	1 29	29 53	6 26	8 0	7 25	18 17			n.a.
F 4	21 50	6 1	0 35	16 33	3 7	25 18	1 45	8 33	0 45	16 35	0 44	16 45	1 48	23 44	0 16	12 23	1 29	29 53	6 26	8 1	7 24	18 17			n.a.
S 5	22 0	10 16	0s42	16 17	3 11	25 14	1 45	8 49	0 45	16 33	0 44	16 44	1 47	23 44	0 16	12 23	1 29	29 53	6 26	8 1	7 22	18 17			n.a.
S 6	22 10	14 1	1 59	16 5	3 13	25 10	1 46	9 5	0 44	16 32	0 43	16 42	1 47	23 45	0 16	12 23	1 29	29 53	6 26	8 0	7 21	18 18			n.a.
M 7	22 19	16 54	3 9	15 58	3 13	25 5	1 46	9 20	0 44	16 30	0 43	16 41	1 47	23 45	0 16	12 23	1 29	29 53	6 26	7 58	7 20	18 18			n.a.
T 8	22 27	18 37	4 6	15 54	3 12	24 59	1 47	9 36	0 43	16 28	0 43	16 40	1 47	23 45	0 16	12 22	1 29	29 53	6 26	7 56	7 19	18 19			n.a.
W 9	22 36	18 59	4 46	15 54	3 9	24 52	1 47	9 51	0 43	16 26	0 43	16 39	1 47	23 45	0 16	12 22	1 29	29 53	6 26	7 53	7 18	18 19			n.a.
T 10	22 43	17 59	5 4	15 58	3 5	24 44	1 47	10 7	0 42	16 25	0 43	16 38	1 47	23 45	0 16	12 22	1 29	29 52	6 26	7 49	7 16	18 19			n.a.
F 11	22 51	15 47	5 2	16 4	2 59	24 36	1 47	10 22	0 42	16 23	0 42	16 37	1 46	23 46	0 16	12 21	1 29	29 52	6 26	7 46	7 15	18 20			n.a.
S 12	22 58	12 40	4 41	16 14	2 53	24 27	1 47	10 37	0 41	16 21	0 42	16 36	1 46	23 46	0 16	12 21	1 29	29 52	6 26	7 44	7 14	18 20			n.a.
S 13	23 4	8 56	4 4	16 26	2 46	24 17	1 47	10 53	0 41	16 20	0 42	16 35	1 46	23 46	0 16	12 21	1 29	29 52	6 26	7 42	7 13	18 21			n.a.
M14	23 10	4 53	3 15	16 40	2 39	24 7	1 47	11 8	0 40	16 18	0 42	16 35	1 46	23 46	0 16	12 20	1 29	29 52	6 26	7 41	7 11	18 21			n.a.
T 15	23 15	0 43	2 17	16 56	2 31	23 56	1 47	11 23	0 40	16 17	0 42	16 34	1 46	23 47	0 16	12 20	1 29	29 52	6 26	7 41	7 10	18 21			n.a.
W16	23 20	3s21	1 14	17 13	2 22	23 44	1 47	11 38	0 39	16 15	0 41	16 33	1 45	23 47	0 16	12 20	1 29	29 52	6 26	7 42	7 9	18 22			n.a.
T 17	23 25	7 12	0 9	17 32	2 14	23 31	1 47	11 53	0 38	16 14	0 41	16 32	1 45	23 47	0 16	12 19	1 29	29 52	6 26	7 42	7 8	18 22			n.a.
F 18	23 29	10 42	0n55	17 52	2 5	23 18	1 46	12 8	0 38	16 13	0 41	16 31	1 45	23 47	0 16	12 19	1 29	29 51	6 26	7 42	7 7	18 22			n.a.
S 19	23 33	13 43	1 56	18 12	1 56	23 4	1 46	12 22	0 37	16 11	0 41	16 30	1 45	23 47	0 16	12 18	1 29	29 51	6 26	7 41	7 5	18 23			n.a.
S 20	23 36	16 8	2 51	18 33	1 47	22 49	1 45	12 37	0 37	16 10	0 40	16 29	1 45	23 48	0 16	12 18	1 29	29 51	6 26	7 39	7 4	18 23			n.a.
M21	23 39	17 53	3 39	18 55	1 38	22 34	1 45	12 52	0 36	16 9	0 40	16 29	1 44	23 48	0 16	12 18	1 29	29 51	6 26	7 35	7 3	18 24			n.a.
T 22	23 41	18 51	4 17	19 16	1 29	22 18	1 44	13 6	0 36	16 8	0 40	16 28	1 44	23 48	0 16	12 17	1 29	29 51	6 26	7 31	7 2	18 24			n.a.
W23	23 42	19 0	4 44	19 38	1 19	22 1	1 43	13 20	0 35	16 7	0 40	16 27	1 44	23 48	0 16	12 17	1 29	29 51	6 26	7 26	7 0	18 24			n.a.
T 24	23 44	18 19	4 59	20 0	1 10	21 44	1 42	13 35	0 34	16 6	0 39	16 26	1 44	23 48	0 16	12 16	1 29	29 51	6 26	7 21	6 59	18 25			n.a.
F 25	23 44	16 48	5 0	20 22	1 1	21 26	1 41	13 49	0 34	16 5	0 39	16 26	1 44	23 49	0 16	12 16	1 29	29 51	6 26	7 16	6 58	18 25			n.a.
S 26	23 45	14 32	4 48	20 44	0 52	21 8	1 40	14 3	0 33	16 4	0 39	16 25	1 43	23 49	0 16	12 15	1 29	29 51	6 26	7 11	6 57	18 25			n.a.
S 27	23 45	11 36	4 23	21 5	0 43	20 49	1 39	14 17	0 32	16 3	0 39	16 24	1 43	23 49	0 16	12 15	1 28	29 51	6 26	7 7	6 55	18 26			n.a.
M28	23 44	8 6	3 44	21 26	0 35	20 29	1 38	14 31	0 32	16 2	0 39	16 24	1 43	23 49	0 16	12 14	1 28	29 50	6 26	7 5	6 54	18 26			n.a.
T 29	23 43	4 11	2 54	21 46	0 26	20 9	1 36	14 45	0 31	16 1	0 38	16 23	1 43	23 49	0 16	12 14	1 28	29 50	6 26	7 3	6 53	18 26			n.a.
W30	23 41	0n 1	1 54	22 6	0 17	19 48	1 35	14 58	0 30	16 0	0 38	16 23	1 42	23 50	0 16	12 13	1 28	29 50	6 26	7 2	6 52	18 27			n.a.
T 31	23s39	4n19	0n46	22s25	0n 9	19s27	1s33	15s12	0n30	16n 0	0s38	16n22	1s42	23s50	0s16	12s13	1s28	29s50	6s26	7s 2	6s51	18s27			n.a.

Julian Day Number = 1559586.5, Delta T = 04h25m08s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'30, Lahiri = -10°04'29 Julian Calendar 1 Dec. 444 BCE == Greg. Calendar 26 Nov. 444 BCE

The year -443 astronomical counting style corresponds to year 444 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

JANUARY 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 19 21	5♉58'47	22♈43	13♐41	11♒16	12♏49	15°R 8	20°R 7	23♐16	2♓11	9♉22	17°R43	17♎ 9	13♐27	n.a.	F 1
S 2	6 23 17	6°59'40	6♉49	15° 2	12°29	13°31	15♉ 6	20♉ 4	23°19	2°12	9°24	17♎42	17° 6	13°34	n.a.	S 2
S 3	6 27 14	8° 0'31	21°20	16°24	13°42	14°12	15° 3	20° 2	23°23	2°14	9°26	17°38	17° 3	13°40	n.a.	S 3
M 4	6 31 11	9° 1'20	6♊12	17°48	14°55	14°54	15° 1	19°59	23°26	2°15	9°28	17°32	17° 0	13°47	n.a.	M 4
T 5	6 35 7	10° 2'08	21°20	19°13	16° 7	15°36	14°59	19°57	23°29	2°17	9°30	17°23	16°57	13°54	n.a.	T 5
W 6	6 39 4	11° 2'55	6♋34	20°38	17°20	16°17	14°57	19°55	23°33	2°19	9°31	17°12	16°53	14° 1	n.a.	W 6
T 7	6 43 0	12° 3'40	21°43	22° 5	18°32	16°59	14°55	19°53	23°36	2°20	9°33	17° 1	16°50	14° 7	n.a.	T 7
F 8	6 46 57	13° 4'23	6♌36	23°33	19°45	17°41	14°54	19°51	23°40	2°22	9°35	16°49	16°47	14°14	n.a.	F 8
S 9	6 50 53	14° 5'05	21° 5	25° 1	20°57	18°23	14°53	19°49	23°43	2°23	9°37	16°40	16°44	14°21	n.a.	S 9
S 10	6 54 50	15° 5'46	5♍ 5	26°31	22° 9	19° 4	14°51	19°47	23°46	2°25	9°39	16°33	16°41	14°27	n.a.	S 10
M11	6 58 46	16° 6'25	18°35	28° 1	23°21	19°46	14°51	19°45	23°50	2°27	9°41	16°29	16°38	14°34	n.a.	M11
T 12	7 2 43	17° 7'03	1♎37	29°32	24°34	20°28	14°50	19°44	23°53	2°28	9°42	16°27	16°34	14°41	n.a.	T 12
W13	7 6 40	18° 7'40	14°13	1♏ 4	25°46	21°10	14°50	19°42	23°57	2°30	9°44	16°26	16°31	14°47	n.a.	W13
T 14	7 10 36	19° 8'15	26°30	2°37	26°57	21°52	14°49	19°41	24° 0	2°32	9°46	16°26	16°28	14°54	n.a.	T 14
F 15	7 14 33	20° 8'49	8♏32	4°11	28° 9	22°34	14°D49	19°40	24° 3	2°34	9°48	16°25	16°25	15° 1	n.a.	F 15
S 16	7 18 29	21° 9'22	20°25	5°46	29°21	23°15	14°49	19°39	24° 6	2°35	9°50	16°22	16°22	15° 8	n.a.	S 16
S 17	7 22 26	22° 9'53	2♐14	7°22	0♓33	23°57	14°50	19°38	24°10	2°37	9°52	16°17	16°19	15°14	n.a.	S 17
M18	7 26 22	23°10'22	14° 3	8°58	1°44	24°39	14°50	19°37	24°13	2°39	9°53	16° 8	16°15	15°21	n.a.	M18
T 19	7 30 19	24°10'50	25°55	10°36	2°56	25°21	14°51	19°36	24°16	2°41	9°55	15°57	16°12	15°28	n.a.	T 19
W20	7 34 15	25°11'17	7♉53	12°14	4° 7	26° 3	14°52	19°35	24°19	2°43	9°57	15°44	16° 9	15°34	n.a.	W20
T 21	7 38 12	26°11'42	19°58	13°54	5°18	26°45	14°53	19°35	24°22	2°45	9°59	15°29	16° 6	15°41	n.a.	T 21
F 22	7 42 9	27°12'04	2♒12	15°34	6°29	27°27	14°55	19°34	24°26	2°47	10° 0	15°15	16° 3	15°48	n.a.	F 22
S 23	7 46 5	28°12'25	14°35	17°16	7°40	28° 9	14°56	19°34	24°29	2°49	10° 2	15° 2	15°59	15°54	n.a.	S 23
S 24	7 50 2	29°12'44	27° 7	18°58	8°51	28°51	14°58	19°34	24°32	2°50	10° 4	14°52	15°56	16° 1	n.a.	S 24
M25	7 53 58	0♒13'01	9♓50	20°41	10° 2	29°33	15° 0	19°D34	24°35	2°52	10° 6	14°44	15°53	16° 8	n.a.	M25
T 26	7 57 55	1°13'16	22°44	22°26	11°13	0♐15	15° 2	19°34	24°38	2°54	10° 7	14°40	15°50	16°15	n.a.	T 26
W27	8 1 51	2°13'29	5♈50	24°11	12°23	0°57	15° 4	19°34	24°41	2°56	10° 9	14°38	15°47	16°21	n.a.	W27
T 28	8 5 48	3°13'39	19°11	25°57	13°34	1°39	15° 7	19°34	24°44	2°58	10°11	14°D37	15°44	16°28	n.a.	T 28
F 29	8 9 44	4°13'47	2♉49	27°45	14°44	2°21	15° 9	19°34	24°47	3° 0	10°13	14°R38	15°40	16°35	n.a.	F 29
S 30	8 13 41	5°13'53	16°45	29°33	15°54	3° 4	15°12	19°35	24°50	3° 3	10°14	14°37	15°37	16°41	n.a.	S 30
S 31	8 17 38	6♒13'57	0♊59	1♒23	17♓ 4	3♐46	15♉15	19♉36	24♐53	3♓ 5	10♉16	14♎35	15♎34	16♐48	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s37	8n32	0s26	22s43	0n 1	19s 5	1s32	15s25	0n29	15n59	0s38	16n22	1s42	23s50	0s16	12s12	1s28	29s50	6s27	7s 2	6s49	18s27		n.a.
S 2	23 34	12 24	1 39	23 1	0s 7	18 43	1 30	15 39	0 28	15 59	0 37	16 21	1 42	23 50	0 16	12 12	1 28	29 50	6 27	7 2	6 48	18 28		n.a.
S 3	23 30	15 38	2 48	23 17	0 15	18 20	1 28	15 52	0 28	15 58	0 37	16 21	1 42	23 50	0 16	12 11	1 28	29 50	6 27	7 1	6 47	18 28		n.a.
M 4	23 26	17 54	3 46	23 33	0 22	17 57	1 27	16 5	0 27	15 58	0 37	16 20	1 41	23 51	0 16	12 10	1 28	29 50	6 27	6 58	6 46	18 28		n.a.
T 5	23 22	18 58	4 30	23 48	0 30	17 33	1 25	16 18	0 26	15 57	0 37	16 20	1 41	23 51	0 16	12 10	1 28	29 50	6 27	6 55	6 44	18 29		n.a.
W 6	23 17	18 40	4 55	24 1	0 37	17 9	1 23	16 31	0 26	15 57	0 36	16 20	1 41	23 51	0 16	12 9	1 28	29 50	6 27	6 51	6 43	18 29		n.a.
T 7	23 11	17 3	4 59	24 14	0 44	16 44	1 21	16 43	0 25	15 57	0 36	16 19	1 41	23 51	0 16	12 9	1 28	29 50	6 27	6 46	6 42	18 29		n.a.
F 8	23 6	14 18	4 43	24 26	0 51	16 19	1 18	16 56	0 24	15 57	0 36	16 19	1 40	23 51	0 16	12 8	1 28	29 50	6 27	6 42	6 41	18 29		n.a.
S 9	22 59	10 44	4 8	24 36	0 57	15 54	1 16	17 9	0 24	15 56	0 36	16 19	1 40	23 52	0 16	12 7	1 28	29 50	6 27	6 38	6 39	18 30		n.a.
S 10	22 53	6 40	3 20	24 45	1 3	15 28	1 14	17 21	0 23	15 56	0 35	16 18	1 40	23 52	0 16	12 7	1 28	29 49	6 27	6 35	6 38	18 30		n.a.
M11	22 46	2 24	2 22	24 53	1 9	15 2	1 12	17 33	0 22	15 56	0 35	16 18	1 40	23 52	0 16	12 6	1 28	29 49	6 27	6 33	6 37	18 30		n.a.
T 12	22 38	1s50	1 18	25 0	1 15	14 35	1 9	17 45	0 21	15 56	0 35	16 18	1 39	23 52	0 16	12 5	1 28	29 49	6 27	6 33	6 36	18 31		n.a.
W13	22 30	5 51	0 12	25 5	1 20	14 8	1 6	17 57	0 21	15 56	0 35	16 18	1 39	23 52	0 16	12 5	1 28	29 49	6 27	6 33	6 35	18 31		n.a.
T 14	22 22	9 32	0n53	25 9	1 26	13 41	1 4	18 9	0 20	15 57	0 34	16 18	1 39	23 52	0 16	12 4	1 28	29 49	6 28	6 33	6 33	18 31		n.a.
F 15	22 13	12 44	1 54	25 11	1 31	13 13	1 1	18 20	0 19	15 57	0 34	16 18	1 39	23 53	0 16	12 3	1 28	29 49	6 28	6 32	6 32	18 31		n.a.
S 16	22 3	15 22	2 49	25 12	1 35	12 45	0 58	18 32	0 18	15 57	0 34	16 18	1 38	23 53	0 16	12 3	1 28	29 49	6 28	6 31	6 31	18 32		n.a.
S 17	21 54	17 20	3 37	25 12	1 39	12 17	0 55	18 43	0 17	15 57	0 34	16 18	1 38	23 53	0 16	12 2	1 28	29 49	6 28	6 29	6 30	18 32		n.a.
M18	21 44	18 34	4 15	25 9	1 43	11 49	0 53	18 54	0 17	15 58	0 33	16 18	1 38	23 53	0 16	12 1	1 28	29 49	6 28	6 26	6 28	18 32		n.a.
T 19	21 33	18 59	4 42	25 6	1 47	11 20	0 49	19 6	0 16	15 58	0 33	16 18	1 37	23 53	0 16	12 1	1 28	29 49	6 28	6 21	6 27	18 33		n.a.
W20	21 22	18 34	4 57	25 0	1 50	10 51	0 46	19 16	0 15	15 59	0 33	16 18	1 37	23 53	0 16	12 0	1 28	29 49	6 28	6 16	6 26	18 33		n.a.
T 21	21 11	17 19	4 59	24 53	1 53	10 21	0 43	19 27	0 14	15 59	0 33	16 18	1 37	23 54	0 16	11 59	1 28	29 49	6 28	6 10	6 25	18 33		n.a.
F 22	20 59	15 16	4 47	24 44	1 56	9 52	0 40	19 38	0 13	16 0	0 33	16 18	1 37	23 54	0 16	11 59	1 28	29 49	6 28	6 5	6 23	18 33		n.a.
S 23	20 47	12 30	4 22	24 34	1 58	9 22	0 37	19 48	0 12	16 1	0 32	16 18	1 36	23 54	0 16	11 58	1 28	29 49	6 29	6 0	6 22	18 34		n.a.
S 24	20 35	9 8	3 43	24 22	2 0	8 52	0 33	19 58	0 12	16 1	0 32	16 18	1 36	23 54	0 16	11 57	1 28	29 49	6 29	5 56	6 21	18 34		n.a.
M25	20 22	5 19	2 53	24 8	2 1	8 22	0 30	20 8	0 11	16 2	0 32	16 19	1 36	23 54	0 16	11 56	1 28	29 49	6 29	5 53	6 20	18 34		n.a.
T 26	20 9	1 11	1 53	23 52	2 2	7 52	0 26	20 18	0 10	16 3	0 32	16 19	1 36	23 54	0 16	11 56	1 28	29 49	6 29	5 51	6 18	18 34		n.a.
W27	19 55	3n 3	0 46	23 34	2 3	7 21	0 23	20 28	0 9	16 4	0 31	16 19	1 35	23 54	0 16	11 55	1 28	29 49	6 29	5 50	6 17	18 35		n.a.
T 28	19 41	7 14	0s24	23 14	2 3	6 50	0 19	20 38	0 8	16 5	0 31	16 19	1 35	23 55	0 16	11 54	1 28	29 49	6 29	5 50	6 16	18 35		n.a.
F 29	19 27	11 7	1 35	22 53	2 3	6 20	0 16	20 47	0 7	16 6	0 31	16 20	1 35	23 55	0 16	11 53	1 28	29 49	6 29	5 50	6 15	18 35		n.a.
S 30	19 12	14 28	2 42	22 29	2 2	5 49	0 12	20 56	0 6	16 7	0 31	16 20	1 35	23 55	0 16	11 53	1 28	29 49	6 29	5 50	6 13	18 35		n.a.
S 31	18s57	17n 2	3s40	22s 4	2s 1	5s18	0s 8	21s 5	0n 5	16n 8	0s30	16n21	1s34	23s55	0s16	11s52	1s28	29s49	6s30	5s49	6s12	18s35		n.a.

Julian Day Number = 1559617.5, Delta T = 04h25m06s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'26, Lahiri = -10°04'25 Julian Calendar 1 Jan. 443 BCE == Greg. Calendar 27 Dec. 444 BCE

The year -442 astronomical counting style corresponds to year 443 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

FEBRUARY 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 21 34	7♒13'58	15♊31	3♒13	18♓14	4♐28	15♉19	19♉36	24♐55	3♓ 7	10♑18	14°R30	15♎31	16♐55	n.a.	M 1
T 2	8 25 31	8°13'58	0♋15	5° 5	19°24	5°10	15°22	19°37	24°58	3° 9	10°19	14♎23	15°28	17° 2	n.a.	T 2
W 3	8 29 27	9°13'55	15° 7	6°58	20°34	5°52	15°26	19°38	25° 1	3°11	10°21	14°14	15°24	17° 8	n.a.	W 3
T 4	8 33 24	10°13'50	29°56	8°51	21°43	6°34	15°30	19°39	25° 4	3°13	10°23	14° 3	15°21	17°15	n.a.	T 4
F 5	8 37 20	11°13'42	14♌36	10°46	22°52	7°16	15°34	19°40	25° 7	3°15	10°24	13°54	15°18	17°22	n.a.	F 5
S 6	8 41 17	12°13'33	28°58	12°42	24° 2	7°58	15°38	19°41	25° 9	3°17	10°26	13°45	15°15	17°28	n.a.	S 6
S 7	8 45 13	13°13'21	12♍56	14°38	25°11	8°41	15°42	19°43	25°12	3°19	10°28	13°39	15°12	17°35	n.a.	S 7
M 8	8 49 10	14°13'08	26°28	16°35	26°19	9°23	15°47	19°44	25°15	3°22	10°29	13°35	15° 9	17°42	n.a.	M 8
T 9	8 53 6	15°12'52	9♎33	18°33	27°28	10° 5	15°51	19°46	25°17	3°24	10°31	13°D34	15° 5	17°48	n.a.	T 9
W10	8 57 3	16°12'35	22°15	20°32	28°37	10°47	15°56	19°48	25°20	3°26	10°32	13°34	15° 2	17°55	n.a.	W10
T 11	9 1 0	17°12'16	4♏36	22°31	29°45	11°30	16° 1	19°49	25°22	3°28	10°34	13°35	14°59	18° 2	n.a.	T 11
F 12	9 4 56	18°11'55	16°42	24°30	0♈53	12°12	16° 7	19°51	25°25	3°30	10°35	13°R36	14°56	18° 9	n.a.	F 12
S 13	9 8 53	19°11'33	28°38	26°29	2° 1	12°54	16°12	19°53	25°27	3°33	10°37	13°35	14°53	18°15	n.a.	S 13
S 14	9 12 49	20°11'08	10♐29	28°28	3° 9	13°36	16°17	19°56	25°30	3°35	10°38	13°33	14°50	18°22	n.a.	S 14
M15	9 16 46	21°10'42	22°19	0♓27	4°17	14°19	16°23	19°58	25°32	3°37	10°40	13°28	14°46	18°29	n.a.	M15
T 16	9 20 42	22°10'13	4♑14	2°25	5°24	15° 1	16°29	20° 0	25°34	3°39	10°41	13°21	14°43	18°35	n.a.	T 16
W17	9 24 39	23° 9'43	16°17	4°21	6°31	15°43	16°35	20° 3	25°37	3°41	10°43	13°13	14°40	18°42	n.a.	W17
T 18	9 28 35	24° 9'11	28°30	6°17	7°38	16°25	16°41	20° 5	25°39	3°44	10°44	13° 4	14°37	18°49	n.a.	T 18
F 19	9 32 32	25° 8'37	10♒55	8°10	8°45	17° 8	16°48	20° 8	25°41	3°46	10°46	12°55	14°34	18°56	n.a.	F 19
S 20	9 36 29	26° 8'00	23°33	10° 1	9°52	17°50	16°54	20°11	25°43	3°48	10°47	12°46	14°30	19° 2	n.a.	S 20
S 21	9 40 25	27° 7'21	6♓23	11°50	10°58	18°32	17° 1	20°13	25°45	3°50	10°48	12°39	14°27	19° 9	n.a.	S 21
M22	9 44 22	28° 6'40	19°26	13°35	12° 4	19°15	17° 7	20°16	25°47	3°53	10°50	12°35	14°24	19°16	n.a.	M22
T 23	9 48 18	29° 5'57	2♈41	15°17	13°10	19°57	17°14	20°20	25°49	3°55	10°51	12°33	14°21	19°22	n.a.	T 23
W24	9 52 15	0♓ 5'12	16° 7	16°54	14°16	20°39	17°21	20°23	25°51	3°57	10°52	12°D32	14°18	19°29	n.a.	W24
T 25	9 56 11	1° 4'24	29°44	18°28	15°22	21°22	17°29	20°26	25°53	3°59	10°54	12°33	14°15	19°36	n.a.	T 25
F 26	10 0 8	2° 3'34	13♉32	19°56	16°27	22° 4	17°36	20°29	25°55	4° 2	10°55	12°34	14°11	19°43	n.a.	F 26
S 27	10 4 4	3° 2'41	27°31	21°20	17°32	22°46	17°44	20°33	25°57	4° 4	10°56	12°R35	14° 8	19°49	n.a.	S 27
S 28	10 8 1	4♓ 1'46	11♊39	22♓38	18♈37	23♐28	17♉51	20♉36	25♐59	4♓ 6	10♑57	12♎35	14♎ 5	19♐56	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s42	18n33	4s25	21s37	1s59	4s46	0s 4	21s14	0n 4	16n 9	0s30	16n21	1s34	23s55	0s16	11s51	1s28	29s49	6s30	5s47	6s11	18s36		n.a.
T 2	18 26	18 51	4 54	21 7	1 57	4 15	0 0	21 23	0 3	16 10	0 30	16 22	1 34	23 55	0 16	11 50	1 28	29 49	6 30	5 44	6 10	18 36		n.a.
W 3	18 10	17 52	5 3	20 36	1 54	3 44	0n 4	21 31	0 2	16 12	0 30	16 22	1 34	23 55	0 16	11 49	1 28	29 49	6 30	5 41	6 9	18 36		n.a.
T 4	17 54	15 40	4 52	20 3	1 50	3 13	0 8	21 40	0 1	16 13	0 30	16 23	1 33	23 55	0 16	11 49	1 27	29 49	6 30	5 37	6 7	18 36		n.a.
F 5	17 38	12 30	4 21	19 28	1 46	2 41	0 12	21 48	0 0	16 14	0 29	16 23	1 33	23 56	0 16	11 48	1 27	29 49	6 30	5 33	6 6	18 37		n.a.
S 6	17 21	8 38	3 34	18 51	1 42	2 10	0 16	21 56	0s 1	16 16	0 29	16 24	1 33	23 56	0 16	11 47	1 27	29 49	6 31	5 30	6 5	18 37		n.a.
S 7	17 4	4 23	2 36	18 12	1 37	1 38	0 20	22 3	0 2	16 17	0 29	16 24	1 33	23 56	0 16	11 46	1 27	29 49	6 31	5 27	6 4	18 37		n.a.
M 8	16 46	0 3	1 30	17 31	1 31	1 7	0 24	22 11	0 3	16 19	0 29	16 25	1 32	23 56	0 16	11 46	1 27	29 49	6 31	5 26	6 2	18 37		n.a.
T 9	16 29	4s10	0 21	16 48	1 25	0 35	0 28	22 18	0 4	16 21	0 29	16 26	1 32	23 56	0 16	11 45	1 27	29 49	6 31	5 25	6 1	18 37		n.a.
W10	16 11	8 3	0n46	16 4	1 18	0 4	0 33	22 26	0 5	16 22	0 28	16 26	1 32	23 56	0 16	11 44	1 27	29 49	6 31	5 25	6 0	18 38		n.a.
T 11	15 53	11 29	1 50	15 18	1 10	0n28	0 37	22 32	0 6	16 24	0 28	16 27	1 32	23 56	0 16	11 43	1 27	29 49	6 31	5 26	5 59	18 38		n.a.
F 12	15 34	14 22	2 48	14 30	1 2	0 59	0 41	22 39	0 7	16 26	0 28	16 28	1 31	23 56	0 16	11 42	1 27	29 49	6 32	5 26	5 57	18 38		n.a.
S 13	15 15	16 34	3 38	13 41	0 54	1 30	0 46	22 46	0 8	16 27	0 28	16 29	1 31	23 56	0 16	11 41	1 27	29 49	6 32	5 26	5 56	18 38		n.a.
S 14	14 57	18 4	4 17	12 51	0 44	2 2	0 50	22 52	0 9	16 29	0 27	16 29	1 31	23 57	0 16	11 41	1 27	29 49	6 32	5 25	5 55	18 38		n.a.
M15	14 37	18 46	4 46	11 59	0 34	2 33	0 54	22 58	0 10	16 31	0 27	16 30	1 30	23 57	0 16	11 40	1 27	29 49	6 32	5 23	5 54	18 38		n.a.
T 16	14 18	18 38	5 3	11 7	0 24	3 4	0 59	23 4	0 11	16 33	0 27	16 31	1 30	23 57	0 16	11 39	1 27	29 49	6 32	5 20	5 52	18 39		n.a.
W17	13 58	17 41	5 6	10 14	0 13	3 35	1 3	23 10	0 12	16 35	0 27	16 32	1 30	23 57	0 17	11 38	1 27	29 50	6 32	5 17	5 51	18 39		n.a.
T 18	13 38	15 54	4 56	9 21	0 2	4 6	1 8	23 16	0 13	16 37	0 27	16 33	1 30	23 57	0 17	11 37	1 27	29 50	6 33	5 13	5 50	18 39		n.a.
F 19	13 18	13 22	4 31	8 27	0n10	4 37	1 12	23 21	0 14	16 39	0 26	16 34	1 29	23 57	0 17	11 37	1 27	29 50	6 33	5 10	5 49	18 39		n.a.
S 20	12 58	10 11	3 53	7 34	0 22	5 8	1 17	23 26	0 15	16 41	0 26	16 35	1 29	23 57	0 17	11 36	1 27	29 50	6 33	5 6	5 47	18 39		n.a.
S 21	12 38	6 27	3 3	6 41	0 35	5 38	1 21	23 31	0 16	16 43	0 26	16 36	1 29	23 57	0 17	11 35	1 27	29 50	6 33	5 4	5 46	18 39		n.a.
M22	12 17	2 22	2 2	5 49	0 47	6 9	1 26	23 36	0 18	16 45	0 26	16 37	1 29	23 57	0 17	11 34	1 27	29 50	6 33	5 2	5 45	18 40		n.a.
T 23	11 56	1n54	0 53	4 57	1 0	6 39	1 30	23 40	0 19	16 47	0 26	16 38	1 29	23 57	0 17	11 33	1 27	29 50	6 34	5 1	5 44	18 40		n.a.
W24	11 35	6 7	0s19	4 7	1 13	7 9	1 35	23 45	0 20	16 49	0 25	16 39	1 28	23 57	0 17	11 32	1 27	29 50	6 34	5 1	5 42	18 40		n.a.
T 25	11 14	10 5	1 32	3 19	1 25	7 39	1 40	23 49	0 21	16 52	0 25	16 40	1 28	23 58	0 17	11 32	1 27	29 50	6 34	5 1	5 41	18 40		n.a.
F 26	10 53	13 34	2 40	2 32	1 38	8 9	1 44	23 53	0 22	16 54	0 25	16 41	1 28	23 58	0 17	11 31	1 27	29 50	6 34	5 2	5 40	18 40		n.a.
S 27	10 31	16 17	3 40	1 48	1 50	8 38	1 49	23 56	0 23	16 56	0 25	16 43	1 28	23 58	0 17	11 30	1 27	29 50	6 34	5 2	5 39	18 40		n.a.
S 28	10s 9	18n 4	4s27	1s 6	2n 2	9n 8	1n53	24s 0	0s25	16n59	0s25	16n44	1s27	23s58	0s17	11s29	1s27	29s50	6s35	5s 2	5s37	18s41		n.a.

Julian Day Number = 1559648.5, Delta T = 04h25m05s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'21, Lahiri = -10°04'21 Julian Calendar 1 Feb. 443 BCE == Greg. Calendar 27 Jan. 443 BCE

The year -442 astronomical counting style corresponds to year 443 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

MARCH 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 11 57	5♓ 0'49	25♊56	23♓50	19♈41	24♐11	17♉59	20♉40	26♐ 1	4♓ 9	10♑59	12°R34	14♎ 2	20♐ 3	n.a.	M 1
T 2	10 15 54	5°59'49	10♋18	24°56	20°45	24°53	18° 7	20°44	26° 3	4°11	11° 0	12♎30	13°59	20° 9	n.a.	T 2
W 3	10 19 51	6°58'46	24°42	25°56	21°49	25°35	18°15	20°48	26° 4	4°13	11° 1	12°26	13°56	20°16	n.a.	W 3
T 4	10 23 47	7°57'41	9♌ 4	26°50	22°53	26°18	18°23	20°52	26° 6	4°15	11° 2	12°20	13°52	20°23	n.a.	T 4
F 5	10 27 44	8°56'34	23°17	27°38	23°56	27° 0	18°32	20°56	26° 8	4°18	11° 3	12°15	13°49	20°30	n.a.	F 5
S 6	10 31 40	9°55'25	7♍16	28°18	24°59	27°42	18°40	21° 0	26° 9	4°20	11° 4	12°11	13°46	20°36	n.a.	S 6
S 7	10 35 37	10°54'14	20°58	28°52	26° 2	28°24	18°49	21° 4	26°11	4°22	11° 6	12° 8	13°43	20°43	n.a.	S 7
M 8	10 39 33	11°53'00	4♎20	29°20	27° 4	29° 7	18°57	21° 8	26°12	4°24	11° 7	12° 6	13°40	20°50	n.a.	M 8
T 9	10 43 30	12°51'45	17°21	29°40	28° 6	29°49	19° 6	21°13	26°14	4°27	11° 8	12°D 6	13°36	20°56	n.a.	T 9
W10	10 47 26	13°50'27	0♏ 1	29°54	29° 8	0♑31	19°15	21°17	26°15	4°29	11° 9	12° 7	13°33	21° 3	n.a.	W10
T 11	10 51 23	14°49'08	12°24	0♈ 2	0♉ 9	1°13	19°24	21°22	26°16	4°31	11°10	12° 9	13°30	21°10	n.a.	T 11
F 12	10 55 20	15°47'47	24°33	0°R 2	1°10	1°56	19°33	21°26	26°18	4°33	11°11	12°10	13°27	21°17	n.a.	F 12
S 13	10 59 16	16°46'24	6♐31	29♓57	2°11	2°38	19°42	21°31	26°19	4°36	11°12	12°12	13°24	21°23	n.a.	S 13
S 14	11 3 13	17°44'59	18°24	29°46	3°11	3°20	19°52	21°36	26°20	4°38	11°13	12°R12	13°21	21°30	n.a.	S 14
M15	11 7 9	18°43'33	0♑17	29°29	4°11	4° 2	20° 1	21°41	26°21	4°40	11°13	12°12	13°17	21°37	n.a.	M15
T 16	11 11 6	19°42'05	12°14	29° 7	5°10	4°45	20°11	21°46	26°22	4°42	11°14	12°10	13°14	21°43	n.a.	T 16
W17	11 15 2	20°40'35	24°20	28°40	6° 9	5°27	20°21	21°51	26°23	4°44	11°15	12° 7	13°11	21°50	n.a.	W17
T 18	11 18 59	21°39'03	6♒37	28° 9	7° 7	6° 9	20°30	21°56	26°24	4°47	11°16	12° 4	13° 8	21°57	n.a.	T 18
F 19	11 22 55	22°37'29	19°10	27°35	8° 6	6°51	20°40	22° 1	26°25	4°49	11°17	12° 1	13° 5	22° 4	n.a.	F 19
S 20	11 26 52	23°35'54	1♓59	26°57	9° 3	7°33	20°50	22° 7	26°26	4°51	11°18	11°59	13° 1	22°10	n.a.	S 20
S 21	11 30 48	24°34'17	15° 6	26°18	10° 0	8°15	21° 0	22°12	26°27	4°53	11°18	11°56	12°58	22°17	n.a.	S 21
M22	11 34 45	25°32'37	28°30	25°37	10°57	8°57	21°11	22°17	26°28	4°55	11°19	11°55	12°55	22°24	n.a.	M22
T 23	11 38 42	26°30'56	12♈ 9	24°56	11°53	9°40	21°21	22°23	26°28	4°57	11°20	11°D55	12°52	22°30	n.a.	T 23
W24	11 42 38	27°29'13	26° 2	24°15	12°49	10°22	21°31	22°28	26°29	5° 0	11°20	11°55	12°49	22°37	n.a.	W24
T 25	11 46 35	28°27'28	10♉ 4	23°35	13°44	11° 4	21°42	22°34	26°30	5° 2	11°21	11°56	12°46	22°44	n.a.	T 25
F 26	11 50 31	29°25'41	24°14	22°56	14°39	11°46	21°53	22°40	26°30	5° 4	11°22	11°57	12°42	22°51	n.a.	F 26
S 27	11 54 28	0♈23'52	8♊27	22°19	15°33	12°28	22° 3	22°46	26°31	5° 6	11°22	11°58	12°39	22°57	n.a.	S 27
S 28	11 58 24	1°22'00	22°42	21°46	16°26	13° 9	22°14	22°51	26°31	5° 8	11°23	11°58	12°36	23° 4	n.a.	S 28
M29	12 2 21	2°20'07	6♋56	21°15	17°19	13°51	22°25	22°57	26°32	5°10	11°23	11°R59	12°33	23°11	n.a.	M29
T 30	12 6 17	3°18'11	21° 5	20°48	18°11	14°33	22°36	23° 3	26°32	5°12	11°24	11°58	12°30	23°17	n.a.	T 30
W31	12 10 14	4♈16'14	5♌ 9	20♓26	19♉ 2	15♑15	22♉47	23♉ 9	26♐33	5♓14	11♑24	11♎58	12♎27	23♐24	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	9s48	18n43	4s58	0s27	2n13	9n37	1n58	24s 3	0s26	17n 1	0s25	16n45	1s27	23s58	0s17	11s28	1s27	29s51	6s35	5s 1	5s36	18s41			n.a.
T 2	9 26	18 11	5 11	0n10	2 24	10 6	2 3	24 6	0 27	17 3	0 24	16 46	1 27	23 58	0 17	11 27	1 27	29 51	6 35	5 0	5 35	18 41			n.a.
W 3	9 4	16 29	5 4	0 43	2 34	10 34	2 7	24 9	0 28	17 6	0 24	16 47	1 27	23 58	0 17	11 27	1 27	29 51	6 35	4 58	5 34	18 41			n.a.
T 4	8 41	13 45	4 38	1 13	2 44	11 2	2 12	24 11	0 30	17 8	0 24	16 49	1 26	23 58	0 17	11 26	1 27	29 51	6 36	4 56	5 32	18 41			n.a.
F 5	8 19	10 14	3 55	1 40	2 52	11 30	2 16	24 13	0 31	17 11	0 24	16 50	1 26	23 58	0 17	11 25	1 27	29 51	6 36	4 54	5 31	18 41			n.a.
S 6	7 57	6 11	2 59	2 4	3 0	11 58	2 21	24 16	0 32	17 13	0 24	16 51	1 26	23 58	0 17	11 24	1 27	29 51	6 36	4 52	5 30	18 41			n.a.
S 7	7 34	1 54	1 53	2 24	3 7	12 26	2 25	24 18	0 33	17 16	0 23	16 53	1 26	23 58	0 17	11 23	1 28	29 51	6 36	4 51	5 29	18 41			n.a.
M 8	7 12	2s23	0 42	2 40	3 12	12 53	2 30	24 19	0 35	17 18	0 23	16 54	1 25	23 58	0 17	11 22	1 28	29 51	6 36	4 51	5 27	18 42			n.a.
T 9	6 49	6 27	0n29	2 52	3 17	13 20	2 34	24 21	0 36	17 21	0 23	16 55	1 25	23 58	0 17	11 22	1 28	29 52	6 37	4 51	5 26	18 42			n.a.
W10	6 26	10 7	1 37	3 1	3 20	13 46	2 38	24 22	0 37	17 24	0 23	16 57	1 25	23 58	0 17	11 21	1 28	29 52	6 37	4 51	5 25	18 42			n.a.
T 11	6 3	13 14	2 39	3 6	3 22	14 12	2 43	24 23	0 39	17 26	0 23	16 58	1 25	23 59	0 17	11 20	1 28	29 52	6 37	4 52	5 24	18 42			n.a.
F 12	5 40	15 43	3 32	3 7	3 23	14 38	2 47	24 24	0 40	17 29	0 23	17 0	1 25	23 59	0 17	11 19	1 28	29 52	6 37	4 52	5 22	18 42			n.a.
S 13	5 17	17 29	4 16	3 4	3 22	15 3	2 51	24 24	0 41	17 32	0 22	17 1	1 24	23 59	0 17	11 18	1 28	29 52	6 38	4 53	5 21	18 42			n.a.
S 14	4 54	18 27	4 48	2 57	3 20	15 29	2 56	24 25	0 43	17 34	0 22	17 3	1 24	23 59	0 17	11 18	1 28	29 52	6 38	4 53	5 20	18 42			n.a.
M15	4 31	18 37	5 8	2 47	3 16	15 53	3 0	24 25	0 44	17 37	0 22	17 4	1 24	23 59	0 17	11 17	1 28	29 52	6 38	4 53	5 19	18 42			n.a.
T 16	4 8	17 57	5 14	2 33	3 10	16 18	3 4	24 25	0 45	17 40	0 22	17 6	1 24	23 59	0 17	11 16	1 28	29 53	6 38	4 52	5 17	18 42			n.a.
W17	3 44	16 29	5 7	2 16	3 4	16 41	3 8	24 25	0 47	17 43	0 22	17 7	1 24	23 59	0 17	11 15	1 28	29 53	6 38	4 51	5 16	18 42			n.a.
T 18	3 21	14 14	4 46	1 56	2 55	17 5	3 12	24 24	0 48	17 46	0 22	17 9	1 23	23 59	0 17	11 14	1 28	29 53	6 39	4 50	5 15	18 42			n.a.
F 19	2 58	11 17	4 11	1 33	2 46	17 28	3 16	24 23	0 49	17 48	0 21	17 10	1 23	23 59	0 17	11 14	1 28	29 53	6 39	4 49	5 14	18 43			n.a.
S 20	2 34	7 45	3 23	1 8	2 35	17 51	3 20	24 22	0 51	17 51	0 21	17 12	1 23	23 59	0 17	11 13	1 28	29 53	6 39	4 48	5 12	18 43			n.a.
S 21	2 11	3 45	2 23	0 41	2 22	18 13	3 24	24 21	0 52	17 54	0 21	17 13	1 23	23 59	0 17	11 12	1 28	29 53	6 39	4 47	5 11	18 43			n.a.
M22	1 48	0n31	1 13	0 13	2 9	18 35	3 27	24 20	0 54	17 57	0 21	17 15	1 22	23 59	0 17	11 11	1 28	29 54	6 40	4 46	5 10	18 43			n.a.
T 23	1 24	4 51	0s 1	0s17	1 55	18 56	3 31	24 18	0 55	18 0	0 21	17 17	1 22	23 59	0 17	11 10	1 28	29 54	6 40	4 46	5 9	18 43			n.a.
W24	1 1	8 59	1 17	0 47	1 40	19 17	3 35	24 16	0 57	18 3	0 21	17 18	1 22	23 59	0 17	11 10	1 28	29 54	6 40	4 46	5 7	18 43			n.a.
T 25	0 37	12 40	2 30	1 18	1 24	19 37	3 38	24 15	0 58	18 6	0 20	17 20	1 22	23 59	0 17	11 9	1 28	29 54	6 40	4 47	5 6	18 43			n.a.
F 26	0 14	15 38	3 33	1 48	1 8	19 57	3 41	24 12	0 59	18 9	0 20	17 21	1 22	23 59	0 17	11 8	1 28	29 54	6 41	4 47	5 5	18 43			n.a.
S 27	0n10	17 39	4 24	2 18	0 51	20 17	3 45	24 10	1 1	18 11	0 20	17 23	1 22	23 59	0 17	11 7	1 28	29 55	6 41	4 47	5 4	18 43			n.a.
S 28	0 33	18 34	4 59	2 47	0 35	20 36	3 48	24 7	1 2	18 14	0 20	17 25	1 21	23 59	0 17	11 7	1 28	29 55	6 41	4 48	5 2	18 43			n.a.
M29	0 56	18 19	5 15	3 14	0 18	20 54	3 51	24 4	1 4	18 17	0 20	17 26	1 21	23 59	0 17	11 6	1 28	29 55	6 41	4 48	5 1	18 43			n.a.
T 30	1 20	16 55	5 13	3 40	0 1	21 12	3 54	24 1	1 5	18 20	0 20	17 28	1 21	23 59	0 17	11 5	1 28	29 55	6 42	4 47	5 0	18 43			n.a.
W31	1n43	14n31	4s51	4s 4	0s15	21n30	3n57	23s58	1s 7	18n23	0s20	17n30	1s21	23s59	0s17	11s 4	1s28	29s55	6s42	4s47	4s59	18s43			n.a.

Julian Day Number = 1559676.5, Delta T = 04h25m04s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'18, Lahiri = -10°04'17 Julian Calendar 1 March 443 BCE == Greg. Calendar 24 Feb. 443 BCE

The year -442 astronomical counting style corresponds to year 443 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

APRIL 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 14 11	5♈14'14	19♌ 4	20°R 7	19♉53	15♑57	22♉58	23♉15	26♐33	5♓16	11♑25	11°R57	12♎23	23♐31	n.a.	T 1
F 2	12 18 7	6°12'12	2♍48	19♓53	20°43	16°39	23° 9	23°22	26°33	5°18	11°25	11♎56	12°20	23°38	n.a.	F 2
S 3	12 22 4	7°10'08	16°20	19°44	21°32	17°20	23°20	23°28	26°33	5°20	11°26	11°55	12°17	23°44	n.a.	S 3
S 4	12 26 0	8° 8'03	29°38	19°D40	22°20	18° 2	23°32	23°34	26°33	5°22	11°26	11°55	12°14	23°51	n.a.	S 4
M 5	12 29 57	9° 5'56	12♎41	19°40	23° 8	18°44	23°43	23°40	26°34	5°24	11°26	11°D55	12°11	23°58	n.a.	M 5
T 6	12 33 53	10° 3'47	25°28	19°45	23°55	19°25	23°55	23°47	26°R34	5°26	11°27	11°55	12° 7	24° 4	n.a.	T 6
W 7	12 37 50	11° 1'37	8♏ 0	19°54	24°41	20° 7	24° 6	23°53	26°34	5°28	11°27	11°55	12° 4	24°11	n.a.	W 7
T 8	12 41 46	11°59'25	20°19	20° 9	25°26	20°49	24°18	24° 0	26°34	5°30	11°27	11°R55	12° 1	24°18	n.a.	T 8
F 9	12 45 43	12°57'12	2♐26	20°27	26°10	21°30	24°30	24° 6	26°33	5°32	11°28	11°55	11°58	24°25	n.a.	F 9
S 10	12 49 39	13°54'57	14°25	20°51	26°53	22°12	24°41	24°13	26°33	5°34	11°28	11°55	11°55	24°31	n.a.	S 10
S 11	12 53 36	14°52'42	26°19	21°18	27°35	22°53	24°53	24°20	26°33	5°36	11°28	11°55	11°52	24°38	n.a.	S 11
M12	12 57 33	15°50'25	8♑12	21°50	28°16	23°35	25° 5	24°26	26°33	5°37	11°28	11°55	11°48	24°45	n.a.	M12
T 13	13 1 29	16°48'06	20° 9	22°25	28°56	24°16	25°17	24°33	26°33	5°39	11°28	11°D55	11°45	24°51	n.a.	T 13
W14	13 5 26	17°45'47	2♒15	23° 5	29°35	24°57	25°29	24°40	26°32	5°41	11°28	11°55	11°42	24°58	n.a.	W14
T 15	13 9 22	18°43'26	14°33	23°48	0♊13	25°38	25°41	24°47	26°32	5°43	11°29	11°55	11°39	25° 5	n.a.	T 15
F 16	13 13 19	19°41'04	27° 8	24°35	0°49	26°20	25°53	24°54	26°31	5°45	11°29	11°56	11°36	25°12	n.a.	F 16
S 17	13 17 15	20°38'41	10♓ 2	25°26	1°24	27° 1	26° 6	25° 1	26°31	5°46	11°29	11°57	11°32	25°18	n.a.	S 17
S 18	13 21 12	21°36'17	23°19	26°20	1°58	27°42	26°18	25° 8	26°30	5°48	11°R29	11°57	11°29	25°25	n.a.	S 18
M19	13 25 8	22°33'52	6♈58	27°17	2°31	28°23	26°30	25°15	26°30	5°50	11°29	11°R58	11°26	25°32	n.a.	M19
T 20	13 29 5	23°31'25	20°58	28°17	3° 2	29° 4	26°43	25°22	26°29	5°51	11°29	11°58	11°23	25°38	n.a.	T 20
W21	13 33 2	24°28'58	5♉15	29°21	3°32	29°44	26°55	25°29	26°28	5°53	11°29	11°57	11°20	25°45	n.a.	W21
T 22	13 36 58	25°26'28	19°45	0♈27	4° 0	0♒25	27° 7	25°36	26°28	5°55	11°28	11°56	11°17	25°52	n.a.	T 22
F 23	13 40 55	26°23'58	4♊22	1°36	4°27	1° 6	27°20	25°43	26°27	5°56	11°28	11°54	11°13	25°59	n.a.	F 23
S 24	13 44 51	27°21'27	18°59	2°49	4°52	1°47	27°33	25°51	26°26	5°58	11°28	11°52	11°10	26° 5	n.a.	S 24
S 25	13 48 48	28°18'54	3♋31	4° 4	5°16	2°27	27°45	25°58	26°25	6° 0	11°28	11°51	11° 7	26°12	n.a.	S 25
M26	13 52 44	29°16'19	17°52	5°21	5°37	3° 8	27°58	26° 5	26°24	6° 1	11°28	11°50	11° 4	26°19	n.a.	M26
T 27	13 56 41	0♉13'43	2♌ 0	6°42	5°57	3°48	28°11	26°13	26°23	6° 3	11°28	11°D49	11° 1	26°25	n.a.	T 27
W28	14 0 37	1°11'06	15°53	8° 5	6°15	4°28	28°23	26°20	26°22	6° 4	11°27	11°50	10°58	26°32	n.a.	W28
T 29	14 4 34	2° 8'27	29°31	9°31	6°31	5° 8	28°36	26°27	26°21	6° 6	11°27	11°51	10°54	26°39	n.a.	T 29
F 30	14 8 31	3♉ 5'47	12♍53	10♈59	6♊45	5♒48	28♉49	26♉35	26♐20	6♓ 7	11♑27	11♎52	10♎51	26♐46	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n 6	11n18	4s13	4s26	0s30	21n46	4n 0	23s55	1s 8	18n26	0s19	17n32	1s21	23s59	0s17	11s 4	1s28	29s56	6s42	4s47	4s57	18s43		n.a.
F 2	2 30	7 30	3 20	4 45	0 46	22 3	4 2	23 51	1 10	18 29	0 19	17 33	1 20	24 0	0 17	11 3	1 28	29 56	6 42	4 47	4 56	18 43		n.a.
S 3	2 53	3 21	2 17	5 2	1 0	22 19	4 5	23 47	1 11	18 32	0 19	17 35	1 20	24 0	0 18	11 2	1 28	29 56	6 43	4 46	4 55	18 43		n.a.
S 4	3 16	0s53	1 8	5 17	1 14	22 34	4 7	23 43	1 13	18 35	0 19	17 37	1 20	24 0	0 18	11 1	1 28	29 56	6 43	4 46	4 54	18 43		n.a.
M 5	3 39	5 0	0n 4	5 29	1 27	22 49	4 9	23 39	1 15	18 38	0 19	17 39	1 20	24 0	0 18	11 1	1 28	29 56	6 43	4 46	4 52	18 43		n.a.
T 6	4 2	8 49	1 14	5 38	1 40	23 3	4 12	23 35	1 16	18 41	0 19	17 40	1 20	24 0	0 18	11 0	1 28	29 57	6 43	4 46	4 51	18 43		n.a.
W 7	4 25	12 9	2 20	5 45	1 51	23 16	4 13	23 30	1 18	18 44	0 19	17 42	1 20	24 0	0 18	10 59	1 28	29 57	6 44	4 46	4 50	18 43		n.a.
T 8	4 48	14 53	3 17	5 49	2 2	23 29	4 15	23 25	1 19	18 47	0 18	17 44	1 19	24 0	0 18	10 59	1 28	29 57	6 44	4 46	4 49	18 43		n.a.
F 9	5 11	16 55	4 5	5 51	2 12	23 42	4 17	23 20	1 21	18 50	0 18	17 46	1 19	24 0	0 18	10 58	1 28	29 57	6 44	4 46	4 47	18 43		n.a.
S 10	5 33	18 10	4 41	5 50	2 21	23 54	4 18	23 15	1 23	18 54	0 18	17 48	1 19	24 0	0 18	10 57	1 28	29 58	6 45	4 46	4 46	18 43		n.a.
S 11	5 56	18 36	5 5	5 47	2 29	24 5	4 20	23 10	1 24	18 57	0 18	17 49	1 19	24 0	0 18	10 57	1 28	29 58	6 45	4 46	4 45	18 43		n.a.
M12	6 19	18 14	5 16	5 41	2 37	24 15	4 21	23 4	1 26	19 0	0 18	17 51	1 19	24 0	0 18	10 56	1 28	29 58	6 45	4 46	4 44	18 43		n.a.
T 13	6 41	17 2	5 14	5 32	2 43	24 25	4 21	22 58	1 27	19 3	0 18	17 53	1 19	24 0	0 18	10 55	1 28	29 58	6 45	4 46	4 42	18 43		n.a.
W14	7 3	15 5	4 57	5 22	2 49	24 35	4 22	22 52	1 29	19 6	0 18	17 55	1 18	24 0	0 18	10 55	1 29	29 59	6 46	4 46	4 41	18 43		n.a.
T 15	7 26	12 25	4 27	5 9	2 54	24 44	4 23	22 46	1 31	19 9	0 17	17 57	1 18	24 0	0 18	10 54	1 29	29 59	6 46	4 46	4 40	18 43		n.a.
F 16	7 48	9 8	3 44	4 54	2 58	24 52	4 23	22 40	1 32	19 12	0 17	17 58	1 18	24 0	0 18	10 54	1 29	29 59	6 46	4 47	4 39	18 43		n.a.
S 17	8 10	5 19	2 48	4 36	3 1	24 59	4 23	22 34	1 34	19 15	0 17	18 0	1 18	24 0	0 18	10 53	1 29	29 59	6 46	4 47	4 37	18 43		n.a.
S 18	8 32	1 8	1 41	4 17	3 4	25 6	4 23	22 27	1 36	19 18	0 17	18 2	1 18	24 0	0 18	10 52	1 29	30 0	6 47	4 47	4 36	18 43		n.a.
M19	8 53	3n13	0 28	3 56	3 6	25 12	4 22	22 20	1 37	19 21	0 17	18 4	1 18	24 0	0 18	10 52	1 29	30 0	6 47	4 47	4 35	18 43		n.a.
T 20	9 15	7 31	0s50	3 32	3 7	25 18	4 21	22 13	1 39	19 24	0 17	18 6	1 17	24 0	0 18	10 51	1 29	30 0	6 47	4 47	4 33	18 43		n.a.
W21	9 36	11 28	2 5	3 7	3 7	25 23	4 20	22 6	1 41	19 27	0 17	18 8	1 17	24 0	0 18	10 51	1 29	30 0	6 47	4 47	4 32	18 43		n.a.
T 22	9 58	14 47	3 14	2 40	3 7	25 27	4 19	21 59	1 43	19 30	0 16	18 10	1 17	24 0	0 18	10 50	1 29	30 1	6 48	4 47	4 31	18 43		n.a.
F 23	10 19	17 11	4 11	2 11	3 6	25 31	4 17	21 52	1 44	19 33	0 16	18 11	1 17	24 0	0 18	10 49	1 29	30 1	6 48	4 46	4 30	18 43		n.a.
S 24	10 40	18 27	4 51	1 40	3 4	25 34	4 15	21 44	1 46	19 36	0 16	18 13	1 17	24 0	0 18	10 49	1 29	30 1	6 48	4 45	4 28	18 43		n.a.
S 25	11 1	18 30	5 12	1 8	3 1	25 36	4 13	21 37	1 48	19 39	0 16	18 15	1 17	24 0	0 18	10 48	1 29	30 1	6 48	4 45	4 27	18 43		n.a.
M26	11 21	17 21	5 14	0 34	2 58	25 38	4 11	21 29	1 50	19 42	0 16	18 17	1 17	24 0	0 18	10 48	1 29	30 2	6 49	4 44	4 26	18 43		n.a.
T 27	11 42	15 9	4 56	0n 2	2 55	25 38	4 8	21 21	1 51	19 45	0 16	18 19	1 16	24 0	0 18	10 47	1 29	30 2	6 49	4 44	4 25	18 43		n.a.
W28	12 2	12 7	4 22	0 39	2 50	25 38	4 4	21 13	1 53	19 48	0 16	18 21	1 16	24 0	0 18	10 47	1 29	30 2	6 49	4 44	4 23	18 43		n.a.
T 29	12 22	8 28	3 33	1 17	2 45	25 38	4 1	21 5	1 55	19 51	0 16	18 23	1 16	24 0	0 18	10 46	1 29	30 2	6 49	4 45	4 22	18 43		n.a.
F 30	12n42	4n27	2s33	1n58	2s40	25n36	3n57	20s57	1s57	19n54	0s15	18n24	1s16	24s 0	0s18	10s46	1s29	30s 3	6s50	4s45	4s21	18s43		n.a.

Julian Day Number = 1559707.5, Delta T = 04h25m03s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'13, Lahiri = -10°04'13 Julian Calendar 1 Apr. 443 BCE == Greg. Calendar 27 March 443 BCE

The year -442 astronomical counting style corresponds to year 443 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

MAY 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 12 27	4♉ 3'06	26♍ 1	12♈30	6♊57	6♒28	29♉ 2	26♉42	26°R19	6♓ 8	11°R26	11♎54	10♎48	26♐52	n.a.	S 1
S 2	14 16 24	5° 0'24	8♎55	14° 4	7° 7	7° 8	29°15	26°50	26♐18	6°10	11♑26	11°R54	10°45	26°59	n.a.	S 2
M 3	14 20 20	5°57'40	21°37	15°40	7°15	7°48	29°28	26°57	26°17	6°11	11°26	11°54	10°42	27° 6	n.a.	M 3
T 4	14 24 17	6°54'56	4♏ 8	17°19	7°20	8°28	29°41	27° 5	26°15	6°12	11°25	11°53	10°38	27°12	n.a.	T 4
W 5	14 28 13	7°52'11	16°27	19° 0	7°24	9° 8	29°54	27°12	26°14	6°14	11°25	11°50	10°35	27°19	n.a.	W 5
T 6	14 32 10	8°49'25	28°38	20°44	7°R25	9°47	0♊ 7	27°20	26°13	6°15	11°24	11°46	10°32	27°26	n.a.	T 6
F 7	14 36 6	9°46'39	10♐40	22°30	7°23	10°27	0°20	27°28	26°11	6°16	11°24	11°41	10°29	27°33	n.a.	F 7
S 8	14 40 3	10°43'52	22°36	24°19	7°19	11° 6	0°33	27°35	26°10	6°17	11°23	11°37	10°26	27°39	n.a.	S 8
S 9	14 44 0	11°41'04	4♑29	26°10	7°13	11°45	0°46	27°43	26° 8	6°19	11°23	11°32	10°23	27°46	n.a.	S 9
M10	14 47 56	12°38'16	16°22	28° 4	7° 5	12°24	0°59	27°51	26° 7	6°20	11°22	11°28	10°19	27°53	n.a.	M10
T 11	14 51 53	13°35'27	28°18	29°59	6°54	13° 3	1°13	27°58	26° 5	6°21	11°22	11°26	10°16	28° 0	n.a.	T 11
W12	14 55 49	14°32'39	10♒22	1♉58	6°41	13°42	1°26	28° 6	26° 4	6°22	11°21	11°D25	10°13	28° 6	n.a.	W12
T 13	14 59 46	15°29'49	22°38	3°58	6°25	14°21	1°39	28°14	26° 2	6°23	11°21	11°25	10°10	28°13	n.a.	T 13
F 14	15 3 42	16°27'00	5♓10	6° 0	6° 7	15° 0	1°52	28°22	26° 1	6°24	11°20	11°26	10° 7	28°20	n.a.	F 14
S 15	15 7 39	17°24'10	18° 4	8° 5	5°47	15°38	2° 6	28°29	25°59	6°25	11°19	11°27	10° 4	28°26	n.a.	S 15
S 16	15 11 35	18°21'20	1♈22	10°11	5°24	16°16	2°19	28°37	25°57	6°26	11°19	11°29	10° 0	28°33	n.a.	S 16
M17	15 15 32	19°18'29	15° 6	12°18	5° 0	16°55	2°32	28°45	25°55	6°27	11°18	11°R29	9°57	28°40	n.a.	M17
T 18	15 19 29	20°15'39	29°17	14°27	4°33	17°33	2°46	28°53	25°54	6°28	11°17	11°28	9°54	28°47	n.a.	T 18
W19	15 23 25	21°12'48	13♉50	16°36	4° 5	18°11	2°59	29° 1	25°52	6°29	11°16	11°25	9°51	28°53	n.a.	W19
T 20	15 27 22	22° 9'57	28°42	18°47	3°34	18°48	3°13	29° 8	25°50	6°30	11°16	11°20	9°48	29° 0	n.a.	T 20
F 21	15 31 18	23° 7'05	13♊43	20°58	3° 3	19°26	3°26	29°16	25°48	6°31	11°15	11°14	9°44	29° 7	n.a.	F 21
S 22	15 35 15	24° 4'14	28°44	23° 9	2°29	20° 3	3°40	29°24	25°46	6°31	11°14	11° 8	9°41	29°13	n.a.	S 22
S 23	15 39 11	25° 1'22	13♋36	25°20	1°55	20°40	3°53	29°32	25°44	6°32	11°13	11° 2	9°38	29°20	n.a.	S 23
M24	15 43 8	25°58'29	28°13	27°31	1°19	21°17	4° 6	29°40	25°42	6°33	11°12	10°58	9°35	29°27	n.a.	M24
T 25	15 47 4	26°55'36	12♌28	29°41	0°43	21°54	4°20	29°48	25°40	6°34	11°11	10°55	9°32	29°34	n.a.	T 25
W26	15 51 1	27°52'42	26°22	1♊51	0° 6	22°31	4°33	29°56	25°38	6°34	11°10	10°D54	9°29	29°40	n.a.	W26
T 27	15 54 58	28°49'48	9♍52	3°59	29♉29	23° 8	4°47	0♊ 4	25°36	6°35	11°10	10°55	9°25	29°47	n.a.	T 27
F 28	15 58 54	29°46'53	23° 2	6° 6	28°51	23°44	5° 0	0°11	25°34	6°36	11° 9	10°56	9°22	29°54	n.a.	F 28
S 29	16 2 51	0♊43'58	5♎54	8°12	28°14	24°20	5°14	0°19	25°32	6°36	11° 8	10°R57	9°19	0♑ 1	n.a.	S 29
S 30	16 6 47	1°41'03	18°32	10°16	27°36	24°56	5°27	0°27	25°30	6°37	11° 7	10°57	9°16	0° 7	n.a.	S 30
M31	16 10 44	2♊38'08	0♏57	12♊19	27♉ 0	25♒32	5♊41	0♊35	25♐28	6♓37	11♑ 6	10♎55	9♎13	0♑14	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n 2	0n17	1s26	2n39	2s34	25n34	3n53	20s48	1s58	19n57	0s15	18n26	1s16	24s 0	0s18	10s45	1s29	30s 3	6s50	4s46	4s20	18s43		n.a.
S 2	13 21	3s50	0 16	3 22	2 27	25 31	3 48	20 40	2 0	20 0	0 15	18 28	1 16	24 0	0 18	10 45	1 29	30 3	6 50	4 46	4 18	18 43		n.a.
M 3	13 41	7 43	0n53	4 6	2 20	25 27	3 43	20 31	2 2	20 3	0 15	18 30	1 16	24 0	0 18	10 44	1 29	30 4	6 50	4 46	4 17	18 43		n.a.
T 4	14 0	11 11	1 59	4 51	2 12	25 23	3 37	20 22	2 4	20 6	0 15	18 32	1 16	24 0	0 18	10 44	1 29	30 4	6 51	4 45	4 16	18 43		n.a.
W 5	14 19	14 7	2 58	5 38	2 4	25 17	3 31	20 13	2 6	20 9	0 15	18 34	1 15	24 0	0 18	10 43	1 29	30 4	6 51	4 44	4 15	18 43		n.a.
T 6	14 37	16 24	3 49	6 25	1 55	25 11	3 24	20 4	2 7	20 12	0 15	18 36	1 15	24 0	0 18	10 43	1 30	30 4	6 51	4 43	4 13	18 43		n.a.
F 7	14 56	17 55	4 28	7 14	1 46	25 4	3 17	19 55	2 9	20 15	0 15	18 38	1 15	24 0	0 18	10 43	1 30	30 5	6 51	4 41	4 12	18 43		n.a.
S 8	15 14	18 37	4 55	8 3	1 37	24 56	3 10	19 46	2 11	20 17	0 15	18 39	1 15	24 0	0 18	10 42	1 30	30 5	6 52	4 39	4 11	18 42		n.a.
S 9	15 32	18 30	5 10	8 53	1 27	24 47	3 2	19 36	2 13	20 20	0 14	18 41	1 15	24 0	0 18	10 42	1 30	30 5	6 52	4 37	4 10	18 42		n.a.
M10	15 50	17 35	5 11	9 44	1 17	24 37	2 53	19 27	2 15	20 23	0 14	18 43	1 15	24 0	0 18	10 41	1 30	30 6	6 52	4 36	4 8	18 42		n.a.
T 11	16 7	15 53	4 59	10 35	1 6	24 26	2 44	19 18	2 17	20 26	0 14	18 45	1 15	24 0	0 18	10 41	1 30	30 6	6 52	4 35	4 7	18 42		n.a.
W12	16 24	13 29	4 33	11 26	0 56	24 15	2 35	19 8	2 19	20 29	0 14	18 47	1 15	24 0	0 18	10 41	1 30	30 6	6 52	4 34	4 6	18 42		n.a.
T 13	16 41	10 27	3 55	12 18	0 45	24 2	2 25	18 58	2 20	20 32	0 14	18 49	1 15	24 0	0 18	10 40	1 30	30 6	6 53	4 34	4 5	18 42		n.a.
F 14	16 58	6 52	3 5	13 10	0 34	23 49	2 15	18 48	2 22	20 35	0 14	18 50	1 14	24 0	0 18	10 40	1 30	30 7	6 53	4 35	4 3	18 42		n.a.
S 15	17 15	2 53	2 4	14 1	0 23	23 35	2 4	18 39	2 24	20 37	0 14	18 52	1 14	23 59	0 18	10 40	1 30	30 7	6 53	4 35	4 2	18 42		n.a.
S 16	17 31	1n23	0 55	14 52	0 12	23 20	1 53	18 29	2 26	20 40	0 14	18 54	1 14	23 59	0 18	10 39	1 30	30 7	6 53	4 36	4 1	18 42		n.a.
M17	17 47	5 43	0s20	15 42	0 1	23 4	1 41	18 19	2 28	20 43	0 14	18 56	1 14	23 59	0 18	10 39	1 30	30 8	6 54	4 36	3 59	18 42		n.a.
T 18	18 2	9 52	1 35	16 32	0n10	22 47	1 29	18 9	2 30	20 46	0 13	18 58	1 14	23 59	0 18	10 39	1 30	30 8	6 54	4 35	3 58	18 41		n.a.
W19	18 18	13 33	2 47	17 20	0 20	22 29	1 16	17 59	2 32	20 48	0 13	19 0	1 14	23 59	0 19	10 38	1 30	30 8	6 54	4 34	3 57	18 41		n.a.
T 20	18 33	16 25	3 48	18 7	0 30	22 11	1 4	17 49	2 34	20 51	0 13	19 1	1 14	23 59	0 19	10 38	1 30	30 8	6 54	4 32	3 56	18 41		n.a.
F 21	18 47	18 12	4 34	18 52	0 40	21 51	0 50	17 38	2 36	20 54	0 13	19 3	1 14	23 59	0 19	10 38	1 30	30 9	6 55	4 30	3 54	18 41		n.a.
S 22	19 2	18 43	5 2	19 36	0 50	21 32	0 37	17 28	2 38	20 57	0 13	19 5	1 14	23 59	0 19	10 38	1 30	30 9	6 55	4 28	3 53	18 41		n.a.
S 23	19 16	17 55	5 9	20 17	0 59	21 11	0 23	17 18	2 40	20 59	0 13	19 7	1 14	23 59	0 19	10 37	1 30	30 9	6 55	4 25	3 52	18 41		n.a.
M24	19 30	15 58	4 55	20 57	1 7	20 51	0 10	17 8	2 41	21 2	0 13	19 9	1 13	23 59	0 19	10 37	1 31	30 10	6 55	4 24	3 51	18 41		n.a.
T 25	19 43	13 4	4 24	21 34	1 15	20 29	0s 4	16 57	2 43	21 4	0 13	19 10	1 13	23 59	0 19	10 37	1 31	30 10	6 55	4 23	3 49	18 41		n.a.
W26	19 56	9 29	3 37	22 8	1 22	20 8	0 18	16 47	2 45	21 7	0 13	19 12	1 13	23 59	0 19	10 37	1 31	30 10	6 56	4 22	3 48	18 41		n.a.
T 27	20 9	5 30	2 40	22 40	1 29	19 46	0 32	16 37	2 47	21 10	0 12	19 14	1 13	23 59	0 19	10 37	1 31	30 10	6 56	4 22	3 47	18 40		n.a.
F 28	20 22	1 21	1 35	23 9	1 35	19 24	0 46	16 26	2 49	21 12	0 12	19 16	1 13	23 59	0 19	10 36	1 31	30 11	6 56	4 23	3 46	18 40		n.a.
S 29	20 34	2s47	0 27	23 36	1 40	19 2	1 0	16 16	2 51	21 15	0 12	19 17	1 13	23 59	0 19	10 36	1 31	30 11	6 56	4 23	3 44	18 40		n.a.
S 30	20 46	6 43	0n41	24 0	1 45	18 41	1 14	16 5	2 53	21 17	0 12	19 19	1 13	23 59	0 19	10 36	1 31	30 11	6 56	4 23	3 43	18 40		n.a.
M31	20n57	10s18	1n45	24n21	1n48	18n19	1s28	15s55	2s55	21n20	0s12	19n21	1s13	23s59	0s19	10s36	1s31	30s12	6s57	4s22	3s42	18s40		n.a.

Julian Day Number = 1559737.5, Delta T = 04h25m02s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'09, Lahiri = -10°04'09 Julian Calendar 1 May 443 BCE == Greg. Calendar 26 Apr. 443 BCE

The year -442 astronomical counting style corresponds to year 443 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

JUNE 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 14 40	3♊35'13	13♏12	14♊20	26°R24	26♒ 7	5♊55	0♊43	25°R26	6♓38	11°R 5	10°R50	9♎ 9	0♑21	n.a.	T 1
W 2	16 18 37	4°32'17	25°20	16°19	25♉50	26°43	6° 8	0°51	25♐23	6°38	11♑ 4	10♎44	9° 6	0°27	n.a.	W 2
T 3	16 22 33	5°29'22	7♐21	18°16	25°16	27°18	6°22	0°59	25°21	6°39	11° 3	10°35	9° 3	0°34	n.a.	T 3
F 4	16 26 30	6°26'27	19°18	20°12	24°44	27°53	6°35	1° 7	25°19	6°39	11° 2	10°25	9° 0	0°41	n.a.	F 4
S 5	16 30 27	7°23'32	1♑12	22° 5	24°14	28°27	6°49	1°14	25°17	6°39	11° 0	10°15	8°57	0°48	n.a.	S 5
S 6	16 34 23	8°20'38	13° 4	23°57	23°45	29° 2	7° 2	1°22	25°14	6°40	10°59	10° 5	8°54	0°54	n.a.	S 6
M 7	16 38 20	9°17'44	24°57	25°46	23°19	29°36	7°16	1°30	25°12	6°40	10°58	9°56	8°50	1° 1	n.a.	M 7
T 8	16 42 16	10°14'50	6♒53	27°34	22°54	0♓10	7°29	1°38	25°10	6°40	10°57	9°49	8°47	1° 8	n.a.	T 8
W 9	16 46 13	11°11'57	18°56	29°20	22°32	0°43	7°43	1°46	25° 8	6°41	10°56	9°44	8°44	1°14	n.a.	W 9
T 10	16 50 9	12° 9'04	1♓10	1♋ 3	22°11	1°17	7°56	1°53	25° 5	6°41	10°55	9°41	8°41	1°21	n.a.	T 10
F 11	16 54 6	13° 6'13	13°40	2°45	21°53	1°50	8°10	2° 1	25° 3	6°41	10°54	9°D41	8°38	1°28	n.a.	F 11
S 12	16 58 3	14° 3'21	26°29	4°25	21°38	2°23	8°23	2° 9	25° 1	6°41	10°53	9°41	8°35	1°35	n.a.	S 12
S 13	17 1 59	15° 0'31	9♈42	6° 3	21°24	2°56	8°37	2°17	24°58	6°41	10°51	9°R42	8°31	1°41	n.a.	S 13
M14	17 5 56	15°57'41	23°23	7°39	21°14	3°28	8°50	2°25	24°56	6°41	10°50	9°41	8°28	1°48	n.a.	M14
T 15	17 9 52	16°54'52	7♉33	9°13	21° 5	4° 0	9° 4	2°32	24°53	6°41	10°49	9°38	8°25	1°55	n.a.	T 15
W16	17 13 49	17°52'04	22°10	10°45	20°59	4°32	9°17	2°40	24°51	6°R41	10°48	9°33	8°22	2° 2	n.a.	W16
T 17	17 17 45	18°49'17	7♊ 9	12°15	20°55	5° 3	9°30	2°48	24°49	6°41	10°46	9°26	8°19	2° 8	n.a.	T 17
F 18	17 21 42	19°46'30	22°23	13°43	20°D54	5°34	9°44	2°55	24°46	6°41	10°45	9°16	8°15	2°15	n.a.	F 18
S 19	17 25 38	20°43'44	7♋40	15° 9	20°55	6° 5	9°57	3° 3	24°44	6°41	10°44	9° 6	8°12	2°22	n.a.	S 19
S 20	17 29 35	21°40'59	22°49	16°33	20°58	6°35	10°11	3°11	24°42	6°41	10°43	8°57	8° 9	2°28	n.a.	S 20
M21	17 33 32	22°38'14	7♌41	17°54	21° 4	7° 5	10°24	3°18	24°39	6°41	10°41	8°49	8° 6	2°35	n.a.	M21
T 22	17 37 28	23°35'30	22° 9	19°14	21°11	7°35	10°37	3°26	24°37	6°41	10°40	8°43	8° 3	2°42	n.a.	T 22
W23	17 41 25	24°32'46	6♍ 9	20°32	21°21	8° 4	10°51	3°33	24°34	6°40	10°39	8°40	8° 0	2°49	n.a.	W23
T 24	17 45 21	25°30'03	19°42	21°47	21°33	8°33	11° 4	3°41	24°32	6°40	10°38	8°39	7°56	2°55	n.a.	T 24
F 25	17 49 18	26°27'20	2♎49	23° 0	21°47	9° 2	11°17	3°48	24°29	6°40	10°36	8°39	7°53	3° 2	n.a.	F 25
S 26	17 53 14	27°24'37	15°35	24°11	22° 2	9°30	11°30	3°56	24°27	6°39	10°35	8°39	7°50	3° 9	n.a.	S 26
S 27	17 57 11	28°21'56	28° 3	25°19	22°20	9°58	11°44	4° 3	24°25	6°39	10°34	8°38	7°47	3°16	n.a.	S 27
M28	18 1 7	29°19'15	10♏18	26°25	22°40	10°25	11°57	4°11	24°22	6°39	10°32	8°34	7°44	3°22	n.a.	M28
T 29	18 5 4	0♋16'35	22°24	27°28	23° 1	10°52	12°10	4°18	24°20	6°38	10°31	8°28	7°41	3°29	n.a.	T 29
W30	18 9 1	1♋13'56	4♐23	28♋28	23♉24	11♓19	12♊23	4♊25	24♐17	6♓38	10♑30	8♎20	7♎37	3♑36	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 8	13s24	2n44	24n40	1n52	17n58	1s41	15s45	2s57	21n22	0s12	19n22	1s13	23s59	0s19	10s36	1s31	30s12	6s57	4s21	3s40	18s40		n.a.
W 2	21 19	15 52	3 35	24 55	1 54	17 37	1 54	15 34	2 59	21 25	0 12	19 24	1 13	23 59	0 19	10 36	1 31	30 12	6 57	4 18	3 39	18 39		n.a.
T 3	21 30	17 37	4 15	25 9	1 56	17 17	2 6	15 24	3 1	21 27	0 12	19 26	1 13	23 59	0 19	10 36	1 31	30 12	6 57	4 15	3 38	18 39		n.a.
F 4	21 40	18 35	4 44	25 19	1 57	16 57	2 19	15 13	3 3	21 30	0 12	19 28	1 13	23 58	0 19	10 36	1 31	30 13	6 57	4 11	3 37	18 39		n.a.
S 5	21 49	18 44	5 1	25 27	1 57	16 38	2 31	15 3	3 5	21 32	0 11	19 29	1 13	23 58	0 19	10 35	1 31	30 13	6 57	4 6	3 35	18 39		n.a.
S 6	21 59	18 3	5 4	25 33	1 57	16 20	2 42	14 53	3 7	21 35	0 11	19 31	1 13	23 58	0 19	10 35	1 31	30 13	6 58	4 2	3 34	18 39		n.a.
M 7	22 8	16 36	4 54	25 37	1 56	16 3	2 53	14 42	3 9	21 37	0 11	19 33	1 12	23 58	0 19	10 35	1 31	30 13	6 58	3 59	3 33	18 39		n.a.
T 8	22 16	14 25	4 31	25 38	1 55	15 47	3 3	14 32	3 11	21 39	0 11	19 34	1 12	23 58	0 19	10 35	1 31	30 14	6 58	3 56	3 32	18 39		n.a.
W 9	22 24	11 36	3 56	25 37	1 53	15 31	3 13	14 22	3 13	21 42	0 11	19 36	1 12	23 58	0 19	10 35	1 31	30 14	6 58	3 54	3 30	18 38		n.a.
T 10	22 32	8 14	3 10	25 34	1 50	15 17	3 23	14 11	3 15	21 44	0 11	19 38	1 12	23 58	0 19	10 35	1 32	30 14	6 58	3 53	3 29	18 38		n.a.
F 11	22 40	4 27	2 14	25 30	1 47	15 4	3 32	14 1	3 17	21 46	0 11	19 39	1 12	23 58	0 19	10 35	1 32	30 15	6 59	3 53	3 28	18 38		n.a.
S 12	22 47	0 21	1 10	25 23	1 43	14 52	3 40	13 51	3 19	21 49	0 11	19 41	1 12	23 58	0 19	10 35	1 32	30 15	6 59	3 53	3 27	18 38		n.a.
S 13	22 53	3n53	0s 0	25 15	1 38	14 41	3 48	13 41	3 21	21 51	0 11	19 42	1 12	23 58	0 19	10 35	1 32	30 15	6 59	3 53	3 25	18 38		n.a.
M14	23 0	8 5	1 12	25 5	1 34	14 31	3 55	13 31	3 23	21 53	0 11	19 44	1 12	23 58	0 19	10 35	1 32	30 15	6 59	3 53	3 24	18 37		n.a.
T 15	23 6	11 58	2 22	24 53	1 28	14 22	4 2	13 21	3 25	21 55	0 10	19 46	1 12	23 58	0 19	10 35	1 32	30 16	6 59	3 52	3 23	18 37		n.a.
W16	23 11	15 14	3 25	24 40	1 22	14 14	4 8	13 11	3 27	21 57	0 10	19 47	1 12	23 58	0 19	10 35	1 32	30 16	6 59	3 50	3 21	18 37		n.a.
T 17	23 16	17 35	4 16	24 26	1 16	14 8	4 14	13 1	3 29	21 59	0 10	19 49	1 12	23 57	0 19	10 35	1 32	30 16	6 59	3 47	3 20	18 37		n.a.
F 18	23 21	18 43	4 49	24 11	1 9	14 2	4 20	12 51	3 31	22 2	0 10	19 50	1 12	23 57	0 19	10 36	1 32	30 16	7 0	3 43	3 19	18 37		n.a.
S 19	23 25	18 30	5 2	23 54	1 2	13 58	4 24	12 42	3 34	22 4	0 10	19 52	1 12	23 57	0 19	10 36	1 32	30 17	7 0	3 39	3 18	18 36		n.a.
S 20	23 29	16 58	4 53	23 36	0 54	13 54	4 29	12 32	3 36	22 6	0 10	19 53	1 12	23 57	0 19	10 36	1 32	30 17	7 0	3 35	3 16	18 36		n.a.
M21	23 32	14 19	4 25	23 18	0 46	13 52	4 33	12 23	3 38	22 8	0 10	19 55	1 12	23 57	0 19	10 36	1 32	30 17	7 0	3 32	3 15	18 36		n.a.
T 22	23 35	10 50	3 40	22 58	0 38	13 51	4 36	12 13	3 40	22 10	0 10	19 56	1 12	23 57	0 19	10 36	1 32	30 17	7 0	3 30	3 14	18 36		n.a.
W23	23 38	6 51	2 43	22 38	0 29	13 50	4 39	12 4	3 42	22 12	0 10	19 58	1 12	23 57	0 19	10 36	1 32	30 18	7 0	3 29	3 13	18 36		n.a.
T 24	23 40	2 37	1 39	22 17	0 20	13 50	4 42	11 55	3 44	22 14	0 10	19 59	1 12	23 57	0 19	10 36	1 32	30 18	7 0	3 28	3 11	18 35		n.a.
F 25	23 42	1s36	0 31	21 56	0 10	13 52	4 45	11 46	3 46	22 16	0 9	20 1	1 12	23 57	0 19	10 36	1 32	30 18	7 1	3 28	3 10	18 35		n.a.
S 26	23 43	5 39	0n37	21 34	0 1	13 54	4 47	11 37	3 48	22 18	0 9	20 2	1 12	23 57	0 19	10 37	1 32	30 18	7 1	3 28	3 9	18 35		n.a.
S 27	23 44	9 21	1 41	21 11	0s10	13 57	4 48	11 28	3 50	22 20	0 9	20 3	1 12	23 57	0 19	10 37	1 33	30 19	7 1	3 28	3 8	18 35		n.a.
M28	23 45	12 35	2 39	20 49	0 20	14 0	4 50	11 19	3 52	22 22	0 9	20 5	1 12	23 56	0 19	10 37	1 33	30 19	7 1	3 27	3 6	18 34		n.a.
T 29	23 45	15 14	3 29	20 26	0 31	14 5	4 51	11 11	3 54	22 23	0 9	20 6	1 11	23 56	0 19	10 37	1 33	30 19	7 1	3 24	3 5	18 34		n.a.
W30	23n44	17s12	4n10	20n 3	0s42	14n10	4s51	11s 2	3s56	22n25	0s 9	20n 8	1s11	23s56	0s19	10s37	1s33	30s19	7s 1	3s21	3s 4	18s34		n.a.

Julian Day Number = 1559768.5, Delta T = 04h25m01s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'05, Lahiri = -10°04'05 Julian Calendar 1 June 443 BCE == Greg. Calendar 27 May 443 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

JULY 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 12 57	2♋11'17	16♐19	29♋26	23♉49	11♓45	12♊36	4♊33	24°R15	6°R37	10°R28	8°R 8	7♎34	3♑42	n.a.	T 1
F 2	18 16 54	3° 8'40	28°12	0♌20	24°15	12°11	12°49	4°40	24♐13	6♓37	10♑27	7♎55	7°31	3°49	n.a.	F 2
S 3	18 20 50	4° 6'04	10♑ 4	1°12	24°43	12°36	13° 2	4°47	24°10	6°36	10°26	7°41	7°28	3°56	n.a.	S 3
S 4	18 24 47	5° 3'29	21°58	2° 0	25°12	13° 1	13°15	4°54	24° 8	6°36	10°24	7°28	7°25	4° 3	n.a.	S 4
M 5	18 28 43	6° 0'55	3♒54	2°45	25°43	13°25	13°28	5° 2	24° 6	6°35	10°23	7°16	7°21	4° 9	n.a.	M 5
T 6	18 32 40	6°58'22	15°54	3°26	26°16	13°49	13°41	5° 9	24° 3	6°35	10°21	7° 6	7°18	4°16	n.a.	T 6
W 7	18 36 37	7°55'51	28° 1	4° 4	26°49	14°12	13°54	5°16	24° 1	6°34	10°20	6°59	7°15	4°23	n.a.	W 7
T 8	18 40 33	8°53'21	10♓17	4°37	27°24	14°35	14° 7	5°23	23°59	6°33	10°19	6°55	7°12	4°29	n.a.	T 8
F 9	18 44 30	9°50'53	22°47	5° 7	28° 0	14°57	14°20	5°30	23°56	6°32	10°17	6°53	7° 9	4°36	n.a.	F 9
S 10	18 48 26	10°48'26	5♈34	5°32	28°38	15°19	14°33	5°37	23°54	6°32	10°16	6°52	7° 6	4°43	n.a.	S 10
S 11	18 52 23	11°46'01	18°42	5°52	29°16	15°40	14°45	5°44	23°52	6°31	10°15	6°52	7° 2	4°50	n.a.	S 11
M12	18 56 19	12°43'37	2♉16	6° 8	29°56	16° 1	14°58	5°51	23°50	6°30	10°13	6°51	6°59	4°56	n.a.	M12
T 13	19 0 16	13°41'15	16°18	6°19	0♊37	16°21	15°11	5°57	23°47	6°29	10°12	6°49	6°56	5° 3	n.a.	T 13
W14	19 4 12	14°38'55	0♊46	6°24	1°19	16°40	15°23	6° 4	23°45	6°28	10°11	6°43	6°53	5°10	n.a.	W14
T 15	19 8 9	15°36'37	15°39	6°R24	2° 1	16°59	15°36	6°11	23°43	6°28	10° 9	6°35	6°50	5°17	n.a.	T 15
F 16	19 12 6	16°34'20	0♋49	6°19	2°45	17°18	15°48	6°18	23°41	6°27	10° 8	6°26	6°47	5°23	n.a.	F 16
S 17	19 16 2	17°32'05	16° 7	6° 8	3°30	17°35	16° 1	6°24	23°39	6°26	10° 6	6°15	6°43	5°30	n.a.	S 17
S 18	19 19 59	18°29'51	1♌21	5°51	4°16	17°52	16°13	6°31	23°37	6°25	10° 5	6° 5	6°40	5°37	n.a.	S 18
M19	19 23 55	19°27'39	16°20	5°29	5° 2	18° 8	16°25	6°37	23°34	6°24	10° 4	5°56	6°37	5°43	n.a.	M19
T 20	19 27 52	20°25'28	0♍57	5° 1	5°49	18°24	16°38	6°44	23°32	6°23	10° 2	5°50	6°34	5°50	n.a.	T 20
W21	19 31 48	21°23'18	15° 5	4°28	6°37	18°39	16°50	6°50	23°30	6°22	10° 1	5°46	6°31	5°57	n.a.	W21
T 22	19 35 45	22°21'10	28°44	3°49	7°26	18°53	17° 2	6°56	23°28	6°21	10° 0	5°45	6°27	6° 4	n.a.	T 22
F 23	19 39 41	23°19'03	11♎55	3° 6	8°16	19° 7	17°14	7° 3	23°26	6°19	9°58	5°D45	6°24	6°10	n.a.	F 23
S 24	19 43 38	24°16'57	24°42	2°18	9° 6	19°20	17°26	7° 9	23°24	6°18	9°57	5°R45	6°21	6°17	n.a.	S 24
S 25	19 47 34	25°14'53	7♏10	1°27	9°57	19°32	17°38	7°15	23°22	6°17	9°56	5°44	6°18	6°24	n.a.	S 25
M26	19 51 31	26°12'50	19°22	0°34	10°48	19°43	17°50	7°21	23°20	6°16	9°54	5°42	6°15	6°31	n.a.	M26
T 27	19 55 28	27°10'49	1♐23	29♋39	11°41	19°54	18° 2	7°27	23°19	6°15	9°53	5°37	6°12	6°37	n.a.	T 27
W28	19 59 24	28° 8'49	13°19	28°43	12°34	20° 4	18°14	7°33	23°17	6°14	9°52	5°29	6° 8	6°44	n.a.	W28
T 29	20 3 21	29° 6'51	25°11	27°48	13°27	20°13	18°26	7°39	23°15	6°12	9°51	5°20	6° 5	6°51	n.a.	T 29
F 30	20 7 17	0♌ 4'54	7♑ 4	26°55	14°21	20°21	18°37	7°45	23°13	6°11	9°49	5° 8	6° 2	6°57	n.a.	F 30
S 31	20 11 14	1♌ 3'00	18♑58	26♋ 4	15♊16	20♓29	18♊49	7♊51	23♐11	6♓10	9♑48	4♎56	5♎59	7♑ 4	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n44	18s25	4n39	19n40	0s53	14n15	4s52	10s54	3s58	22n27	0s 9	20n 9	1s11	23s56	0s19	10s38	1s33	30s19	7s 1	3s16	3s 2	18s34			n.a.
F 2	23 42	18 49	4 55	19 17	1 5	14 22	4 52	10 46	4 0	22 29	0 9	20 10	1 11	23 56	0 19	10 38	1 33	30 20	7 1	3 11	3 1	18 33			n.a.
S 3	23 41	18 23	4 59	18 55	1 16	14 29	4 52	10 38	4 2	22 31	0 9	20 12	1 11	23 56	0 19	10 38	1 33	30 20	7 1	3 5	3 0	18 33			n.a.
S 4	23 39	17 9	4 50	18 32	1 28	14 36	4 51	10 30	4 4	22 32	0 9	20 13	1 11	23 56	0 19	10 38	1 33	30 20	7 1	3 0	2 59	18 33			n.a.
M 5	23 36	15 11	4 28	18 10	1 40	14 44	4 51	10 23	4 6	22 34	0 8	20 14	1 11	23 56	0 19	10 39	1 33	30 20	7 2	2 55	2 57	18 33			n.a.
T 6	23 34	12 33	3 55	17 49	1 52	14 52	4 50	10 15	4 8	22 36	0 8	20 16	1 11	23 56	0 19	10 39	1 33	30 20	7 2	2 51	2 56	18 32			n.a.
W 7	23 30	9 21	3 10	17 28	2 4	15 1	4 49	10 8	4 10	22 37	0 8	20 17	1 11	23 56	0 19	10 39	1 33	30 21	7 2	2 48	2 55	18 32			n.a.
T 8	23 27	5 43	2 16	17 8	2 17	15 10	4 47	10 1	4 12	22 39	0 8	20 18	1 11	23 55	0 19	10 40	1 33	30 21	7 2	2 47	2 54	18 32			n.a.
F 9	23 23	1 46	1 14	16 50	2 29	15 20	4 46	9 54	4 14	22 41	0 8	20 20	1 11	23 55	0 19	10 40	1 33	30 21	7 2	2 46	2 52	18 32			n.a.
S 10	23 18	2n21	0 7	16 32	2 41	15 30	4 44	9 47	4 16	22 42	0 8	20 21	1 11	23 55	0 19	10 40	1 33	30 21	7 2	2 46	2 51	18 31			n.a.
S 11	23 13	6 28	1s 2	16 15	2 53	15 40	4 42	9 40	4 18	22 44	0 8	20 22	1 11	23 55	0 19	10 41	1 33	30 21	7 2	2 46	2 50	18 31			n.a.
M12	23 8	10 23	2 10	16 0	3 5	15 50	4 40	9 34	4 20	22 45	0 8	20 23	1 11	23 55	0 19	10 41	1 33	30 22	7 2	2 45	2 48	18 31			n.a.
T 13	23 2	13 51	3 12	15 46	3 16	16 1	4 38	9 28	4 22	22 47	0 8	20 24	1 11	23 55	0 19	10 41	1 33	30 22	7 2	2 44	2 47	18 31			n.a.
W14	22 56	16 35	4 4	15 34	3 28	16 12	4 35	9 22	4 24	22 48	0 8	20 26	1 11	23 55	0 19	10 42	1 33	30 22	7 2	2 42	2 46	18 30			n.a.
T 15	22 49	18 18	4 41	15 23	3 38	16 23	4 33	9 16	4 26	22 50	0 8	20 27	1 11	23 55	0 19	10 42	1 34	30 22	7 2	2 39	2 45	18 30			n.a.
F 16	22 42	18 45	4 59	15 15	3 48	16 34	4 30	9 11	4 28	22 51	0 7	20 28	1 11	23 55	0 19	10 42	1 34	30 22	7 2	2 35	2 43	18 30			n.a.
S 17	22 35	17 51	4 56	15 8	3 58	16 45	4 27	9 6	4 30	22 53	0 7	20 29	1 11	23 55	0 19	10 43	1 34	30 22	7 2	2 31	2 42	18 29			n.a.
S 18	22 27	15 41	4 32	15 4	4 7	16 57	4 24	9 1	4 32	22 54	0 7	20 30	1 11	23 54	0 19	10 43	1 34	30 23	7 2	2 27	2 41	18 29			n.a.
M19	22 19	12 29	3 50	15 2	4 14	17 8	4 21	8 56	4 33	22 56	0 7	20 31	1 11	23 54	0 19	10 44	1 34	30 23	7 2	2 23	2 40	18 29			n.a.
T 20	22 10	8 35	2 53	15 2	4 21	17 20	4 18	8 51	4 35	22 57	0 7	20 32	1 11	23 54	0 19	10 44	1 34	30 23	7 2	2 21	2 38	18 29			n.a.
W21	22 1	4 18	1 47	15 5	4 26	17 31	4 14	8 47	4 37	22 58	0 7	20 34	1 11	23 54	0 19	10 45	1 34	30 23	7 3	2 19	2 37	18 28			n.a.
T 22	21 52	0s 3	0 37	15 11	4 30	17 43	4 11	8 43	4 39	23 0	0 7	20 35	1 11	23 54	0 19	10 45	1 34	30 23	7 3	2 19	2 36	18 28			n.a.
F 23	21 42	4 16	0n33	15 18	4 32	17 54	4 7	8 39	4 41	23 1	0 7	20 36	1 11	23 54	0 19	10 45	1 34	30 23	7 3	2 19	2 34	18 28			n.a.
S 24	21 32	8 9	1 39	15 29	4 32	18 5	4 3	8 36	4 42	23 2	0 7	20 37	1 11	23 54	0 19	10 46	1 34	30 23	7 3	2 19	2 33	18 27			n.a.
S 25	21 22	11 35	2 39	15 41	4 31	18 17	3 59	8 32	4 44	23 3	0 7	20 38	1 11	23 54	0 19	10 46	1 34	30 23	7 3	2 18	2 32	18 27			n.a.
M26	21 11	14 26	3 30	15 56	4 28	18 28	3 56	8 29	4 46	23 4	0 6	20 39	1 11	23 54	0 19	10 47	1 34	30 24	7 3	2 17	2 31	18 27			n.a.
T 27	20 59	16 37	4 11	16 12	4 23	18 39	3 52	8 27	4 47	23 6	0 6	20 40	1 11	23 54	0 19	10 47	1 34	30 24	7 3	2 15	2 29	18 26			n.a.
W28	20 48	18 3	4 40	16 30	4 16	18 50	3 48	8 24	4 49	23 7	0 6	20 41	1 11	23 53	0 19	10 48	1 34	30 24	7 3	2 12	2 28	18 26			n.a.
T 29	20 36	18 42	4 58	16 50	4 7	19 1	3 43	8 22	4 51	23 8	0 6	20 42	1 11	23 53	0 19	10 48	1 34	30 24	7 3	2 9	2 27	18 26			n.a.
F 30	20 24	18 31	5 2	17 11	3 56	19 11	3 39	8 20	4 52	23 9	0 6	20 43	1 11	23 53	0 19	10 49	1 34	30 24	7 3	2 4	2 26	18 25			n.a.
S 31	20n11	17s32	4n54	17n33	3s43	19n22	3s35	8s18	4s54	23n10	0s 6	20n44	1s11	23s53	0s19	10s49	1s34	30s24	7s 3	1s59	2s24	18s25			n.a.

Julian Day Number = 1559798.5, Delta T = 04h24m59s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°11'01, Lahiri = -10°04'01 Julian Calendar 1 July 443 BCE == Greg. Calendar 26 June 443 BCE

The year -442 astronomical counting style corresponds to year 443 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

AUGUST 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 15 10	2♌ 1'07	0♒56	25°R18	16♊11	20♓35	19♊ 0	7♊56	23°R10	6°R 9	9°R47	4°R45	5♎56	7♑11	n.a.	S 1
M 2	20 19 7	2°59'15	12°58	24♋37	17° 7	20°41	19°12	8° 2	23♐ 8	6♓ 7	9♑46	4♎34	5°53	7°18	n.a.	M 2
T 3	20 23 3	3°57'26	25° 7	24° 2	18° 3	20°46	19°23	8° 8	23° 6	6° 6	9°44	4°26	5°49	7°24	n.a.	T 3
W 4	20 27 0	4°55'38	7♓24	23°34	19° 0	20°51	19°34	8°13	23° 5	6° 5	9°43	4°20	5°46	7°31	n.a.	W 4
T 5	20 30 57	5°53'53	19°50	23°14	19°57	20°54	19°45	8°19	23° 3	6° 3	9°42	4°17	5°43	7°38	n.a.	T 5
F 6	20 34 53	6°52'10	2♈27	23° 3	20°55	20°57	19°57	8°24	23° 2	6° 2	9°41	4°D15	5°40	7°45	n.a.	F 6
S 7	20 38 50	7°50'28	15°20	22°D59	21°53	20°58	20° 8	8°29	23° 0	6° 0	9°40	4°16	5°37	7°51	n.a.	S 7
S 8	20 42 46	8°48'49	28°29	23° 5	22°52	20°R59	20°19	8°34	22°59	5°59	9°38	4°17	5°33	7°58	n.a.	S 8
M 9	20 46 43	9°47'13	12♉ 0	23°20	23°51	20°59	20°29	8°40	22°57	5°57	9°37	4°R17	5°30	8° 5	n.a.	M 9
T 10	20 50 39	10°45'38	25°52	23°44	24°50	20°58	20°40	8°45	22°56	5°56	9°36	4°16	5°27	8°11	n.a.	T 10
W11	20 54 36	11°44'06	10♊ 8	24°17	25°50	20°56	20°51	8°50	22°55	5°55	9°35	4°13	5°24	8°18	n.a.	W11
T 12	20 58 32	12°42'37	24°44	24°58	26°50	20°53	21° 2	8°54	22°53	5°53	9°34	4° 8	5°21	8°25	n.a.	T 12
F 13	21 2 29	13°41'09	9♋38	25°47	27°51	20°49	21°12	8°59	22°52	5°52	9°33	4° 1	5°18	8°32	n.a.	F 13
S 14	21 6 26	14°39'44	24°40	26°44	28°52	20°45	21°23	9° 4	22°51	5°50	9°32	3°54	5°14	8°38	n.a.	S 14
S 15	21 10 22	15°38'21	9♌42	27°49	29°54	20°39	21°33	9° 9	22°50	5°48	9°31	3°46	5°11	8°45	n.a.	S 15
M16	21 14 19	16°36'59	24°34	29° 0	0♋55	20°33	21°43	9°13	22°49	5°47	9°30	3°40	5° 8	8°52	n.a.	M16
T 17	21 18 15	17°35'40	9♍ 8	0♌17	1°57	20°26	21°53	9°18	22°48	5°45	9°29	3°36	5° 5	8°58	n.a.	T 17
W18	21 22 12	18°34'23	23°18	1°40	3° 0	20°18	22° 3	9°22	22°47	5°44	9°28	3°33	5° 2	9° 5	n.a.	W18
T 19	21 26 8	19°33'08	7♎ 2	3° 8	4° 3	20° 9	22°13	9°26	22°46	5°42	9°27	3°D33	4°58	9°12	n.a.	T 19
F 20	21 30 5	20°31'54	20°18	4°40	5° 6	19°59	22°23	9°31	22°45	5°41	9°26	3°34	4°55	9°19	n.a.	F 20
S 21	21 34 1	21°30'42	3♏10	6°15	6° 9	19°49	22°33	9°35	22°44	5°39	9°25	3°35	4°52	9°25	n.a.	S 21
S 22	21 37 58	22°29'33	15°40	7°54	7°13	19°37	22°42	9°39	22°43	5°37	9°24	3°36	4°49	9°32	n.a.	S 22
M23	21 41 54	23°28'25	27°54	9°36	8°17	19°25	22°52	9°43	22°42	5°36	9°23	3°R37	4°46	9°39	n.a.	M23
T 24	21 45 51	24°27'19	9♐56	11°19	9°21	19°12	23° 1	9°46	22°41	5°34	9°22	3°35	4°43	9°46	n.a.	T 24
W25	21 49 48	25°26'15	21°51	13° 5	10°25	18°59	23°11	9°50	22°41	5°32	9°21	3°32	4°39	9°52	n.a.	W25
T 26	21 53 44	26°25'12	3♑43	14°51	11°30	18°45	23°20	9°54	22°40	5°31	9°20	3°27	4°36	9°59	n.a.	T 26
F 27	21 57 41	27°24'12	15°37	16°39	12°35	18°30	23°29	9°57	22°39	5°29	9°20	3°22	4°33	10° 6	n.a.	F 27
S 28	22 1 37	28°23'14	27°34	18°27	13°40	18°14	23°38	10° 1	22°39	5°28	9°19	3°15	4°30	10°12	n.a.	S 28
S 29	22 5 34	29°22'17	9♒38	20°15	14°46	17°58	23°47	10° 4	22°38	5°26	9°18	3° 9	4°27	10°19	n.a.	S 29
M30	22 9 30	0♍21'23	21°50	22° 4	15°52	17°42	23°55	10° 8	22°38	5°24	9°17	3° 3	4°24	10°26	n.a.	M30
T 31	22 13 27	1♍20'31	4♓11	23♌53	16♋58	17♓24	24♊ 4	10♊11	22♐37	5♓23	9♑16	2♎59	4♎20	10♑33	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	19n58	15s47	4n32	17n55	3s29	19n32	3s31	8s17	4s55	23n11	0s 6	20n44	1s11	23s53	0s19	10s50	1s34	30s24	7s 3	1s54	2s23	18s25			n.a.
M 2	19 44	13 20	3 58	18 18	3 14	19 42	3 26	8 16	4 56	23 12	0 6	20 45	1 11	23 53	0 19	10 50	1 34	30 24	7 3	1 50	2 22	18 24			n.a.
T 3	19 31	10 17	3 13	18 40	2 57	19 51	3 22	8 15	4 58	23 13	0 6	20 46	1 11	23 53	0 19	10 51	1 34	30 24	7 3	1 47	2 20	18 24			n.a.
W 4	19 17	6 46	2 18	19 2	2 40	20 1	3 17	8 15	4 59	23 14	0 6	20 47	1 11	23 53	0 19	10 51	1 34	30 25	7 3	1 45	2 19	18 24			n.a.
T 5	19 2	2 54	1 16	19 23	2 22	20 10	3 13	8 14	5 0	23 15	0 5	20 48	1 11	23 53	0 19	10 52	1 34	30 25	7 3	1 43	2 18	18 23			n.a.
F 6	18 48	1n 8	0 10	19 43	2 4	20 18	3 8	8 14	5 1	23 16	0 5	20 49	1 11	23 53	0 19	10 53	1 34	30 25	7 3	1 43	2 17	18 23			n.a.
S 7	18 33	5 12	0s59	20 2	1 45	20 27	3 3	8 15	5 3	23 17	0 5	20 50	1 11	23 53	0 19	10 53	1 34	30 25	7 3	1 43	2 15	18 23			n.a.
S 8	18 17	9 7	2 6	20 19	1 27	20 35	2 59	8 15	5 4	23 18	0 5	20 50	1 11	23 52	0 19	10 54	1 35	30 25	7 3	1 43	2 14	18 22			n.a.
M 9	18 2	12 39	3 8	20 35	1 8	20 42	2 54	8 16	5 5	23 19	0 5	20 51	1 12	23 52	0 19	10 54	1 35	30 25	7 3	1 43	2 13	18 22			n.a.
T 10	17 46	15 34	4 1	20 48	0 51	20 50	2 49	8 18	5 6	23 20	0 5	20 52	1 12	23 52	0 19	10 55	1 35	30 25	7 3	1 43	2 12	18 22			n.a.
W11	17 29	17 38	4 40	20 59	0 33	20 57	2 44	8 19	5 6	23 21	0 5	20 53	1 12	23 52	0 19	10 55	1 35	30 25	7 2	1 42	2 10	18 21			n.a.
T 12	17 13	18 36	5 3	21 8	0 17	21 3	2 39	8 21	5 7	23 22	0 5	20 53	1 12	23 52	0 19	10 56	1 35	30 25	7 2	1 40	2 9	18 21			n.a.
F 13	16 56	18 19	5 5	21 14	0 1	21 9	2 35	8 23	5 8	23 22	0 5	20 54	1 12	23 52	0 19	10 57	1 35	30 25	7 2	1 37	2 8	18 20			n.a.
S 14	16 39	16 45	4 47	21 18	0n14	21 15	2 30	8 25	5 8	23 23	0 5	20 55	1 12	23 52	0 19	10 57	1 35	30 25	7 2	1 34	2 6	18 20			n.a.
S 15	16 21	14 3	4 9	21 19	0 27	21 20	2 25	8 28	5 9	23 24	0 4	20 55	1 12	23 52	0 19	10 58	1 35	30 25	7 2	1 31	2 5	18 20			n.a.
M16	16 3	10 27	3 14	21 17	0 40	21 25	2 20	8 31	5 9	23 25	0 4	20 56	1 12	23 52	0 19	10 58	1 35	30 25	7 2	1 29	2 4	18 19			n.a.
T 17	15 45	6 16	2 8	21 12	0 52	21 29	2 15	8 34	5 9	23 25	0 4	20 57	1 12	23 52	0 19	10 59	1 35	30 25	7 2	1 27	2 3	18 19			n.a.
W18	15 27	1 51	0 55	21 3	1 2	21 33	2 10	8 37	5 9	23 26	0 4	20 57	1 12	23 52	0 19	11 0	1 35	30 25	7 2	1 26	2 1	18 19			n.a.
T 19	15 9	2s32	0n19	20 52	1 12	21 36	2 5	8 41	5 10	23 27	0 4	20 58	1 12	23 52	0 19	11 0	1 35	30 25	7 2	1 26	2 0	18 18			n.a.
F 20	14 50	6 39	1 30	20 39	1 20	21 39	2 0	8 45	5 9	23 28	0 4	20 59	1 12	23 52	0 19	11 1	1 35	30 25	7 2	1 26	1 59	18 18			n.a.
S 21	14 31	10 19	2 34	20 22	1 28	21 41	1 55	8 49	5 9	23 28	0 4	20 59	1 12	23 52	0 19	11 1	1 35	30 25	7 2	1 27	1 58	18 17			n.a.
S 22	14 12	13 25	3 28	20 2	1 34	21 43	1 50	8 53	5 9	23 29	0 4	21 0	1 12	23 52	0 19	11 2	1 35	30 25	7 2	1 27	1 56	18 17			n.a.
M23	13 52	15 51	4 13	19 40	1 39	21 44	1 45	8 57	5 9	23 29	0 4	21 0	1 12	23 52	0 19	11 3	1 35	30 25	7 2	1 27	1 55	18 17			n.a.
T 24	13 32	17 32	4 45	19 16	1 44	21 45	1 40	9 2	5 8	23 30	0 4	21 1	1 12	23 51	0 19	11 3	1 35	30 25	7 2	1 27	1 54	18 16			n.a.
W25	13 12	18 26	5 4	18 49	1 47	21 45	1 36	9 7	5 7	23 31	0 3	21 1	1 12	23 51	0 19	11 4	1 35	30 25	7 2	1 25	1 52	18 16			n.a.
T 26	12 52	18 31	5 10	18 20	1 49	21 44	1 31	9 12	5 6	23 31	0 3	21 2	1 12	23 51	0 19	11 5	1 35	30 25	7 2	1 23	1 51	18 15			n.a.
F 27	12 32	17 48	5 4	17 49	1 51	21 43	1 26	9 17	5 5	23 32	0 3	21 2	1 12	23 51	0 19	11 5	1 35	30 25	7 2	1 21	1 50	18 15			n.a.
S 28	12 11	16 17	4 43	17 16	1 52	21 42	1 21	9 22	5 4	23 32	0 3	21 3	1 12	23 51	0 19	11 6	1 35	30 25	7 1	1 19	1 49	18 15			n.a.
S 29	11 50	14 3	4 10	16 41	1 52	21 39	1 16	9 27	5 3	23 33	0 3	21 3	1 12	23 51	0 19	11 7	1 35	30 25	7 1	1 16	1 47	18 14			n.a.
M30	11 29	11 10	3 26	16 5	1 52	21 37	1 11	9 32	5 2	23 33	0 3	21 4	1 12	23 51	0 19	11 7	1 35	30 25	7 1	1 14	1 46	18 14			n.a.
T 31	11n 8	7s46	2n31	15n28	1n50	21n33	1s 6	9s38	5s 0	23n34	0s 3	21n 4	1s12	23s51	0s19	11s 8	1s35	30s25	7s 1	1s12	1s45	18s13			n.a.

Julian Day Number = 1559829.5, Delta T = 04h24m58s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'57, Lahiri = -10°03'56 Julian Calendar 1 Aug. 443 BCE == Greg. Calendar 27 July 443 BCE

The year -442 astronomical counting style corresponds to year 443 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

SEPTEMBER 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 17 23	2♍19'41	16♓43	25♌41	18♋ 4	17°R 7	24♊12	10♊14	22°R37	5°R21	9°R16	2°R56	4♎17	10♑39	n.a.	W 1
T 2	22 21 20	3°18'53	29°26	27°30	19°11	16♓49	24°21	10°17	22♐37	5♓19	9♑15	2°D55	4°14	10°46	n.a.	T 2
F 3	22 25 17	4°18'07	12♈21	29°17	20°17	16°30	24°29	10°20	22°37	5°18	9°14	2♎55	4°11	10°53	n.a.	F 3
S 4	22 29 13	5°17'24	25°29	1♍ 5	21°24	16°11	24°37	10°22	22°36	5°16	9°14	2°57	4° 8	11° 0	n.a.	S 4
S 5	22 33 10	6°16'43	8♉51	2°51	22°31	15°52	24°45	10°25	22°36	5°14	9°13	2°58	4° 4	11° 6	n.a.	S 5
M 6	22 37 6	7°16'04	22°27	4°38	23°39	15°33	24°53	10°28	22°36	5°12	9°13	3° 0	4° 1	11°13	n.a.	M 6
T 7	22 41 3	8°15'29	6♊18	6°23	24°47	15°13	25° 0	10°30	22°36	5°11	9°12	3°R 0	3°58	11°20	n.a.	T 7
W 8	22 44 59	9°14'55	20°25	8° 8	25°54	14°54	25° 8	10°33	22°D36	5° 9	9°11	3° 0	3°55	11°26	n.a.	W 8
T 9	22 48 56	10°14'24	4♋44	9°52	27° 2	14°34	25°15	10°35	22°36	5° 7	9°11	2°58	3°52	11°33	n.a.	T 9
F 10	22 52 52	11°13'56	19°15	11°35	28°11	14°14	25°23	10°37	22°36	5° 6	9°10	2°56	3°49	11°40	n.a.	F 10
S 11	22 56 49	12°13'30	3♌52	13°18	29°19	13°54	25°30	10°39	22°36	5° 4	9°10	2°53	3°45	11°47	n.a.	S 11
S 12	23 0 45	13°13'06	18°28	15° 0	0♌28	13°34	25°37	10°41	22°36	5° 2	9° 9	2°51	3°42	11°53	n.a.	S 12
M13	23 4 42	14°12'44	2♍59	16°41	1°36	13°14	25°43	10°43	22°37	5° 1	9° 9	2°48	3°39	12° 0	n.a.	M13
T 14	23 8 39	15°12'25	17°17	18°22	2°45	12°55	25°50	10°44	22°37	4°59	9° 9	2°47	3°36	12° 7	n.a.	T 14
W15	23 12 35	16°12'07	1♎17	20° 2	3°54	12°35	25°57	10°46	22°37	4°58	9° 8	2°D46	3°33	12°13	n.a.	W15
T 16	23 16 32	17°11'52	14°55	21°41	5° 4	12°16	26° 3	10°47	22°38	4°56	9° 8	2°47	3°30	12°20	n.a.	T 16
F 17	23 20 28	18°11'39	28°11	23°20	6°13	11°57	26° 9	10°49	22°38	4°54	9° 8	2°47	3°26	12°27	n.a.	F 17
S 18	23 24 25	19°11'27	11♏ 5	24°58	7°23	11°39	26°15	10°50	22°39	4°53	9° 7	2°49	3°23	12°34	n.a.	S 18
S 19	23 28 21	20°11'18	23°39	26°35	8°32	11°21	26°21	10°51	22°39	4°51	9° 7	2°50	3°20	12°40	n.a.	S 19
M20	23 32 18	21°11'10	5♐56	28°12	9°42	11° 3	26°27	10°52	22°40	4°49	9° 7	2°51	3°17	12°47	n.a.	M20
T 21	23 36 14	22°11'04	18° 0	29°48	10°52	10°46	26°32	10°53	22°41	4°48	9° 7	2°R51	3°14	12°54	n.a.	T 21
W22	23 40 11	23°11'00	29°56	1♑23	12° 3	10°29	26°38	10°54	22°41	4°46	9° 6	2°51	3°10	13° 1	n.a.	W22
T 23	23 44 8	24°10'58	11♑49	2°58	13°13	10°13	26°43	10°55	22°42	4°45	9° 6	2°51	3° 7	13° 7	n.a.	T 23
F 24	23 48 4	25°10'57	23°43	4°33	14°23	9°58	26°48	10°55	22°43	4°43	9° 6	2°50	3° 4	13°14	n.a.	F 24
S 25	23 52 1	26°10'59	5♒42	6° 7	15°34	9°43	26°53	10°56	22°44	4°42	9° 6	2°49	3° 1	13°21	n.a.	S 25
S 26	23 55 57	27°11'02	17°50	7°40	16°45	9°29	26°58	10°56	22°45	4°40	9° 6	2°48	2°58	13°27	n.a.	S 26
M27	23 59 54	28°11'06	0♓10	9°13	17°56	9°15	27° 2	10°56	22°46	4°39	9° 6	2°47	2°55	13°34	n.a.	M27
T 28	0 3 50	29°11'13	12°44	10°45	19° 7	9° 2	27° 7	10°57	22°47	4°37	9°D 6	2°47	2°51	13°41	n.a.	T 28
W29	0 7 47	0♎11'22	25°34	12°17	20°18	8°50	27°11	10°R57	22°48	4°36	9° 6	2°47	2°48	13°48	n.a.	W29
T 30	0 11 43	1♎11'32	8♈38	13♎49	21♌29	8♓39	27♊15	10♊57	22♐49	4♓34	9♑ 6	2°D47	2♎45	13♑54	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n47	3s58	1n28	14n49	1n49	21n29	1s 2	9s43	4s59	23n34	0s 3	21n 5	1s12	23s51	0s19	11s 8	1s35	30s25	7s 1	1s11	1s43	18s13		n.a.
T 2	10 25	0n 4	0 19	14 10	1 47	21 25	0 57	9 49	4 57	23 35	0 3	21 5	1 12	23 51	0 19	11 9	1 35	30 25	7 1	1 10	1 42	18 12		n.a.
F 3	10 3	4 9	0s52	13 29	1 44	21 20	0 52	9 54	4 55	23 35	0 2	21 5	1 12	23 51	0 19	11 10	1 35	30 25	7 1	1 11	1 41	18 12		n.a.
S 4	9 41	8 6	2 1	12 48	1 41	21 14	0 48	10 0	4 53	23 36	0 2	21 6	1 12	23 51	0 19	11 10	1 35	30 25	7 1	1 11	1 40	18 12		n.a.
S 5	9 19	11 43	3 5	12 6	1 37	21 8	0 43	10 6	4 51	23 36	0 2	21 6	1 12	23 51	0 19	11 11	1 35	30 25	7 1	1 12	1 38	18 11		n.a.
M 6	8 57	14 46	3 59	11 23	1 33	21 1	0 38	10 11	4 48	23 37	0 2	21 6	1 13	23 51	0 19	11 12	1 35	30 25	7 1	1 12	1 37	18 11		n.a.
T 7	8 35	17 1	4 41	10 39	1 29	20 53	0 34	10 17	4 46	23 37	0 2	21 7	1 13	23 51	0 19	11 12	1 35	30 25	7 1	1 13	1 36	18 10		n.a.
W 8	8 12	18 17	5 7	9 56	1 24	20 45	0 29	10 22	4 43	23 37	0 2	21 7	1 13	23 51	0 19	11 13	1 35	30 25	7 1	1 12	1 35	18 10		n.a.
T 9	7 49	18 25	5 14	9 11	1 19	20 37	0 25	10 27	4 41	23 38	0 2	21 7	1 13	23 51	0 19	11 13	1 35	30 25	7 0	1 12	1 33	18 9		n.a.
F 10	7 27	17 22	5 2	8 27	1 14	20 27	0 20	10 32	4 38	23 38	0 2	21 8	1 13	23 51	0 19	11 14	1 35	30 25	7 0	1 11	1 32	18 9		n.a.
S 11	7 4	15 10	4 30	7 42	1 9	20 18	0 16	10 37	4 35	23 39	0 2	21 8	1 13	23 51	0 19	11 15	1 35	30 25	7 0	1 10	1 31	18 8		n.a.
S 12	6 41	11 59	3 41	6 57	1 3	20 7	0 12	10 42	4 32	23 39	0 1	21 8	1 13	23 51	0 19	11 15	1 35	30 25	7 0	1 9	1 29	18 8		n.a.
M13	6 17	8 6	2 37	6 12	0 58	19 56	0 8	10 47	4 28	23 39	0 1	21 8	1 13	23 51	0 19	11 16	1 35	30 24	7 0	1 8	1 28	18 8		n.a.
T 14	5 54	3 48	1 25	5 27	0 52	19 44	0 3	10 52	4 25	23 40	0 1	21 8	1 13	23 51	0 19	11 17	1 35	30 24	7 0	1 7	1 27	18 7		n.a.
W15	5 31	0s38	0 8	4 42	0 46	19 32	0n 1	10 56	4 22	23 40	0 1	21 9	1 13	23 51	0 19	11 17	1 35	30 24	7 0	1 7	1 26	18 7		n.a.
T 16	5 7	4 56	1n 7	3 56	0 39	19 19	0 5	11 0	4 18	23 40	0 1	21 9	1 13	23 51	0 19	11 18	1 35	30 24	7 0	1 7	1 24	18 6		n.a.
F 17	4 44	8 51	2 16	3 11	0 33	19 6	0 9	11 4	4 14	23 41	0 1	21 9	1 13	23 51	0 19	11 18	1 35	30 24	7 0	1 7	1 23	18 6		n.a.
S 18	4 20	12 14	3 16	2 26	0 27	18 52	0 13	11 8	4 11	23 41	0 1	21 9	1 13	23 51	0 19	11 19	1 35	30 24	6 59	1 8	1 22	18 5		n.a.
S 19	3 56	14 57	4 6	1 41	0 20	18 38	0 17	11 12	4 7	23 41	0 1	21 9	1 13	23 51	0 19	11 20	1 35	30 24	6 59	1 8	1 20	18 5		n.a.
M20	3 32	16 56	4 43	0 56	0 14	18 23	0 21	11 15	4 3	23 41	0 0	21 9	1 13	23 51	0 19	11 20	1 35	30 24	6 59	1 9	1 19	18 4		n.a.
T 21	3 8	18 7	5 6	0 11	0 7	18 7	0 24	11 18	3 59	23 42	0 0	21 9	1 13	23 51	0 19	11 21	1 35	30 24	6 59	1 9	1 18	18 4		n.a.
W22	2 44	18 28	5 16	0s33	0 0	17 51	0 28	11 21	3 55	23 42	0 0	21 9	1 13	23 51	0 19	11 21	1 35	30 24	6 59	1 9	1 17	18 3		n.a.
T 23	2 20	18 1	5 13	1 18	0s 6	17 34	0 32	11 23	3 51	23 42	0 0	21 10	1 13	23 51	0 19	11 22	1 35	30 24	6 59	1 9	1 15	18 3		n.a.
F 24	1 56	16 46	4 56	2 2	0 13	17 17	0 35	11 25	3 47	23 42	0n 0	21 10	1 13	23 51	0 19	11 22	1 35	30 23	6 59	1 8	1 14	18 2		n.a.
S 25	1 32	14 47	4 26	2 46	0 20	16 59	0 39	11 27	3 43	23 43	0 0	21 10	1 13	23 51	0 19	11 23	1 35	30 23	6 59	1 8	1 13	18 2		n.a.
S 26	1 8	12 8	3 44	3 29	0 27	16 41	0 42	11 29	3 39	23 43	0 0	21 10	1 13	23 51	0 19	11 24	1 35	30 23	6 59	1 8	1 12	18 1		n.a.
M27	0 44	8 53	2 51	4 12	0 33	16 23	0 46	11 30	3 34	23 43	0 0	21 10	1 13	23 51	0 19	11 24	1 35	30 23	6 58	1 7	1 10	18 1		n.a.
T 28	0 20	5 11	1 49	4 55	0 40	16 3	0 49	11 31	3 30	23 43	0 1	21 10	1 14	23 51	0 19	11 25	1 35	30 23	6 58	1 7	1 9	18 0		n.a.
W29	0s 5	1 11	0 40	5 38	0 47	15 44	0 52	11 32	3 26	23 44	0 1	21 10	1 14	23 52	0 19	11 25	1 35	30 23	6 58	1 7	1 8	18 0		n.a.
T 30	0s29	2n58	0s32	6s20	0s53	15n23	0n55	11s32	3s22	23n44	0n 1	21n 9	1s14	23s52	0s19	11s26	1s35	30s23	6s58	1s 7	1s 6	17s59		n.a.

Julian Day Number = 1559860.5, Delta T = 04h24m57s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'53, Lahiri = -10°03'52 Julian Calendar 1 Sept. 443 BCE == Greg. Calendar 27 Aug. 443 BCE

The year -442 astronomical counting style corresponds to year 443 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

OCTOBER 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 15 40	2♎11'44	21♈57	15♎20	22♌40	8°R28	27♊19	10°R56	22♐50	4°R33	9♑ 6	2♎47	2♎42	14♑ 1	n.a.	F 1
S 2	0 19 36	3°11'59	5♉30	16°50	23°52	8♓18	27°23	10♊56	22°51	4♓31	9° 6	2°R47	2°39	14° 8	n.a.	S 2
S 3	0 23 33	4°12'15	19°15	18°20	25° 4	8° 9	27°26	10°56	22°52	4°30	9° 6	2°47	2°35	14°14	n.a.	S 3
M 4	0 27 30	5°12'34	3♊10	19°50	26°15	8° 0	27°30	10°55	22°54	4°29	9° 6	2°47	2°32	14°21	n.a.	M 4
T 5	0 31 26	6°12'54	17°13	21°19	27°27	7°53	27°33	10°54	22°55	4°27	9° 7	2°46	2°29	14°28	n.a.	T 5
W 6	0 35 23	7°13'17	1♋21	22°48	28°39	7°46	27°36	10°54	22°57	4°26	9° 7	2°D46	2°26	14°35	n.a.	W 6
T 7	0 39 19	8°13'42	15°33	24°16	29°51	7°40	27°38	10°53	22°58	4°24	9° 7	2°46	2°23	14°41	n.a.	T 7
F 8	0 43 16	9°14'09	29°46	25°43	1♍ 3	7°35	27°41	10°52	23° 0	4°23	9° 7	2°46	2°20	14°48	n.a.	F 8
S 9	0 47 12	10°14'38	13♌57	27°10	2°16	7°30	27°43	10°51	23° 1	4°22	9° 8	2°47	2°16	14°55	n.a.	S 9
S 10	0 51 9	11°15'09	28° 5	28°37	3°28	7°27	27°46	10°49	23° 3	4°21	9° 8	2°48	2°13	15° 1	n.a.	S 10
M11	0 55 5	12°15'42	12♍ 6	0♏ 3	4°41	7°24	27°48	10°48	23° 4	4°19	9° 8	2°49	2°10	15° 8	n.a.	M11
T 12	0 59 2	13°16'17	25°57	1°28	5°53	7°22	27°49	10°47	23° 6	4°18	9° 9	2°R49	2° 7	15°15	n.a.	T 12
W13	1 2 59	14°16'53	9♎36	2°52	7° 6	7°21	27°51	10°45	23° 8	4°17	9° 9	2°49	2° 4	15°22	n.a.	W13
T 14	1 6 55	15°17'31	22°59	4°16	8°19	7°D21	27°53	10°44	23°10	4°16	9° 9	2°48	2° 1	15°28	n.a.	T 14
F 15	1 10 52	16°18'11	6♏ 5	5°39	9°32	7°21	27°54	10°42	23°11	4°15	9°10	2°47	1°57	15°35	n.a.	F 15
S 16	1 14 48	17°18'52	18°54	7° 1	10°44	7°22	27°55	10°40	23°13	4°13	9°10	2°45	1°54	15°42	n.a.	S 16
S 17	1 18 45	18°19'35	1♐27	8°21	11°57	7°24	27°56	10°38	23°15	4°12	9°11	2°43	1°51	15°49	n.a.	S 17
M18	1 22 41	19°20'19	13°44	9°41	13°11	7°27	27°56	10°36	23°17	4°11	9°11	2°40	1°48	15°55	n.a.	M18
T 19	1 26 38	20°21'05	25°49	10°59	14°24	7°31	27°57	10°34	23°19	4°10	9°12	2°38	1°45	16° 2	n.a.	T 19
W20	1 30 34	21°21'51	7♑46	12°15	15°37	7°35	27°57	10°31	23°21	4° 9	9°13	2°36	1°41	16° 9	n.a.	W20
T 21	1 34 31	22°22'39	19°38	13°30	16°50	7°41	27°R57	10°29	23°23	4° 8	9°13	2°D36	1°38	16°15	n.a.	T 21
F 22	1 38 28	23°23'28	1♒31	14°42	18° 4	7°46	27°57	10°26	23°25	4° 7	9°14	2°36	1°35	16°22	n.a.	F 22
S 23	1 42 24	24°24'18	13°29	15°53	19°17	7°53	27°57	10°24	23°28	4° 6	9°14	2°37	1°32	16°29	n.a.	S 23
S 24	1 46 21	25°25'09	25°37	17° 0	20°30	8° 0	27°56	10°21	23°30	4° 5	9°15	2°39	1°29	16°36	n.a.	S 24
M25	1 50 17	26°26'01	8♓ 0	18° 5	21°44	8° 8	27°55	10°18	23°32	4° 5	9°16	2°40	1°26	16°42	n.a.	M25
T 26	1 54 14	27°26'54	20°41	19° 6	22°58	8°17	27°54	10°15	23°34	4° 4	9°17	2°42	1°22	16°49	n.a.	T 26
W27	1 58 10	28°27'48	3♈42	20° 3	24°11	8°27	27°53	10°12	23°37	4° 3	9°17	2°R42	1°19	16°56	n.a.	W27
T 28	2 2 7	29°28'44	17° 5	20°56	25°25	8°37	27°52	10° 9	23°39	4° 2	9°18	2°42	1°16	17° 2	n.a.	T 28
F 29	2 6 3	0♏29'40	0♉48	21°44	26°39	8°47	27°50	10° 6	23°42	4° 1	9°19	2°39	1°13	17° 9	n.a.	F 29
S 30	2 10 0	1°30'38	14°49	22°26	27°53	8°59	27°49	10° 3	23°44	4° 1	9°20	2°36	1°10	17°16	n.a.	S 30
S 31	2 13 56	2♏31'37	29♉ 4	23♏ 1	29♍ 7	9♓11	27♊47	10♊ 0	23♐47	4♓ 0	9♑21	2♎31	1♎ 6	17♑23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s53	7n 3	1s44	7s 2	1s 0	15n 3	0n58	11s32	3s17	23n44	0n 1	21n 9	1s14	23s52	0s19	11s26	1s35	30s23	6s58	1s 7	1s 5	17s59		n.a.
S 2	1 17	10 50	2 52	7 43	1 6	14 42	1 1	11 32	3 13	23 44	0 1	21 9	1 14	23 52	0 19	11 27	1 35	30 22	6 58	1 7	1 4	17 58		n.a.
S 3	1 42	14 4	3 50	8 23	1 12	14 20	1 4	11 32	3 9	23 44	0 1	21 9	1 14	23 52	0 19	11 27	1 35	30 22	6 58	1 7	1 3	17 58		n.a.
M 4	2 6	16 33	4 36	9 4	1 19	13 58	1 7	11 31	3 4	23 45	0 1	21 9	1 14	23 52	0 19	11 28	1 35	30 22	6 58	1 7	1 1	17 57		n.a.
T 5	2 30	18 3	5 6	9 43	1 25	13 36	1 9	11 30	3 0	23 45	0 1	21 9	1 14	23 52	0 19	11 28	1 35	30 22	6 57	1 7	1 0	17 57		n.a.
W 6	2 54	18 27	5 17	10 22	1 31	13 13	1 12	11 29	2 56	23 45	0 2	21 9	1 14	23 52	0 19	11 29	1 35	30 22	6 57	1 7	0 59	17 56		n.a.
T 7	3 18	17 42	5 9	11 1	1 36	12 50	1 14	11 27	2 52	23 45	0 2	21 9	1 14	23 52	0 19	11 29	1 35	30 22	6 57	1 7	0 57	17 56		n.a.
F 8	3 42	15 51	4 43	11 39	1 42	12 26	1 17	11 25	2 48	23 45	0 2	21 9	1 14	23 52	0 19	11 30	1 35	30 22	6 57	1 7	0 56	17 55		n.a.
S 9	4 6	13 2	3 59	12 16	1 47	12 2	1 19	11 23	2 43	23 46	0 2	21 8	1 14	23 52	0 19	11 30	1 35	30 22	6 57	1 7	0 55	17 55		n.a.
S 10	4 30	9 28	3 1	12 52	1 53	11 38	1 22	11 21	2 39	23 46	0 2	21 8	1 14	23 52	0 19	11 30	1 35	30 21	6 57	1 8	0 54	17 54		n.a.
M11	4 54	5 23	1 52	13 28	1 58	11 13	1 24	11 18	2 35	23 46	0 2	21 8	1 14	23 52	0 19	11 31	1 35	30 21	6 57	1 8	0 52	17 53		n.a.
T 12	5 18	1 3	0 38	14 3	2 3	10 48	1 26	11 15	2 31	23 46	0 2	21 8	1 14	23 52	0 19	11 31	1 35	30 21	6 57	1 8	0 51	17 53		n.a.
W13	5 42	3s17	0n37	14 37	2 7	10 22	1 28	11 11	2 27	23 46	0 3	21 7	1 14	23 53	0 19	11 32	1 35	30 21	6 56	1 8	0 50	17 52		n.a.
T 14	6 6	7 21	1 49	15 10	2 12	9 57	1 30	11 8	2 23	23 46	0 3	21 7	1 14	23 53	0 19	11 32	1 35	30 21	6 56	1 8	0 49	17 52		n.a.
F 15	6 29	10 59	2 54	15 42	2 16	9 31	1 32	11 4	2 19	23 47	0 3	21 7	1 14	23 53	0 19	11 33	1 35	30 21	6 56	1 7	0 47	17 51		n.a.
S 16	6 53	14 1	3 48	16 13	2 19	9 4	1 33	11 0	2 15	23 47	0 3	21 7	1 14	23 53	0 19	11 33	1 35	30 20	6 56	1 6	0 46	17 51		n.a.
S 17	7 16	16 18	4 30	16 43	2 23	8 37	1 35	10 56	2 11	23 47	0 3	21 6	1 14	23 53	0 19	11 33	1 35	30 20	6 56	1 5	0 45	17 50		n.a.
M18	7 40	17 48	4 59	17 12	2 25	8 11	1 37	10 51	2 7	23 47	0 3	21 6	1 14	23 53	0 19	11 34	1 34	30 20	6 56	1 4	0 43	17 50		n.a.
T 19	8 3	18 28	5 13	17 39	2 28	7 43	1 38	10 46	2 4	23 47	0 3	21 6	1 14	23 53	0 19	11 34	1 34	30 20	6 56	1 4	0 42	17 49		n.a.
W20	8 26	18 17	5 14	18 5	2 30	7 16	1 39	10 41	2 0	23 47	0 4	21 5	1 14	23 53	0 19	11 34	1 34	30 20	6 56	1 3	0 41	17 48		n.a.
T 21	8 49	17 19	5 2	18 30	2 32	6 48	1 41	10 36	1 56	23 48	0 4	21 5	1 14	23 53	0 19	11 35	1 34	30 20	6 55	1 3	0 40	17 48		n.a.
F 22	9 12	15 35	4 36	18 53	2 33	6 20	1 42	10 30	1 53	23 48	0 4	21 5	1 14	23 53	0 19	11 35	1 34	30 19	6 55	1 3	0 38	17 47		n.a.
S 23	9 35	13 11	3 59	19 14	2 33	5 52	1 43	10 24	1 49	23 48	0 4	21 4	1 14	23 53	0 19	11 35	1 34	30 19	6 55	1 3	0 37	17 47		n.a.
S 24	9 57	10 10	3 10	19 34	2 33	5 24	1 44	10 18	1 46	23 48	0 4	21 4	1 14	23 54	0 19	11 36	1 34	30 19	6 55	1 4	0 36	17 46		n.a.
M25	10 20	6 38	2 12	19 52	2 32	4 55	1 45	10 12	1 42	23 48	0 4	21 3	1 14	23 54	0 19	11 36	1 34	30 19	6 55	1 5	0 34	17 46		n.a.
T 26	10 42	2 44	1 6	20 7	2 30	4 27	1 46	10 6	1 39	23 48	0 4	21 3	1 14	23 54	0 19	11 36	1 34	30 19	6 55	1 5	0 33	17 45		n.a.
W27	11 4	1n24	0s 5	20 21	2 27	3 58	1 47	9 59	1 35	23 48	0 5	21 3	1 14	23 54	0 19	11 37	1 34	30 19	6 55	1 5	0 32	17 44		n.a.
T 28	11 26	5 36	1 18	20 32	2 24	3 29	1 47	9 52	1 32	23 49	0 5	21 2	1 14	23 54	0 19	11 37	1 34	30 18	6 55	1 5	0 31	17 44		n.a.
F 29	11 47	9 35	2 28	20 40	2 19	3 0	1 48	9 45	1 29	23 49	0 5	21 2	1 14	23 54	0 19	11 37	1 34	30 18	6 55	1 4	0 29	17 43		n.a.
S 30	12 9	13 8	3 30	20 46	2 13	2 30	1 48	9 38	1 26	23 49	0 5	21 1	1 14	23 54	0 19	11 37	1 34	30 18	6 54	1 3	0 28	17 43		n.a.
S 31	12s30	15n58	4s21	20s48	2s 7	2n 1	1n49	9s30	1s23	23n49	0n 5	21n 1	1s14	23s54	0s19	11s38	1s34	30s18	6s54	1s 1	0s27	17s42		n.a.

Julian Day Number = 1559890.5, Delta T = 04h24m56s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'48, Lahiri = -10°03'48 Julian Calendar 1 Oct. 443 BCE == Greg. Calendar 26 Sept. 443 BCE

The year -442 astronomical counting style corresponds to year 443 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

NOVEMBER 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 17 53	3♏32'37	13♊28	23♏29	0♎21	9♓23	27°R44	9°R56	23♐49	3°R59	9♑22	2°R27	1♎ 3	17♑29	n.a.	M 1
T 2	2 21 50	4°33'38	27°54	23°49	1°35	9°36	27♊42	9♊53	23°52	3♓59	9°23	2♎22	1° 0	17°36	n.a.	T 2
W 3	2 25 46	5°34'41	12♋18	24° 0	2°49	9°50	27°40	9°49	23°54	3°58	9°24	2°19	0°57	17°43	n.a.	W 3
T 4	2 29 43	6°35'45	26°35	24°R 1	4° 3	10° 4	27°37	9°45	23°57	3°57	9°25	2°17	0°54	17°49	n.a.	T 4
F 5	2 33 39	7°36'50	10♌44	23°52	5°17	10°19	27°34	9°42	24° 0	3°57	9°26	2°D16	0°51	17°56	n.a.	F 5
S 6	2 37 36	8°37'56	24°41	23°32	6°31	10°35	27°31	9°38	24° 2	3°56	9°27	2°17	0°47	18° 3	n.a.	S 6
S 7	2 41 32	9°39'04	8♍27	23° 0	7°46	10°50	27°28	9°34	24° 5	3°56	9°28	2°19	0°44	18°10	n.a.	S 7
M 8	2 45 29	10°40'13	22° 2	22°17	9° 0	11° 7	27°24	9°30	24° 8	3°55	9°29	2°20	0°41	18°16	n.a.	M 8
T 9	2 49 26	11°41'22	5♎26	21°24	10°14	11°24	27°20	9°26	24°11	3°55	9°30	2°R20	0°38	18°23	n.a.	T 9
W10	2 53 22	12°42'33	18°38	20°20	11°29	11°41	27°17	9°22	24°13	3°55	9°31	2°19	0°35	18°30	n.a.	W10
T 11	2 57 19	13°43'44	1♏39	19° 8	12°43	11°59	27°13	9°18	24°16	3°54	9°32	2°16	0°32	18°36	n.a.	T 11
F 12	3 1 15	14°44'56	14°28	17°50	13°57	12°18	27° 8	9°13	24°19	3°54	9°33	2°10	0°28	18°43	n.a.	F 12
S 13	3 5 12	15°46'09	27° 5	16°28	15°12	12°37	27° 4	9° 9	24°22	3°54	9°34	2° 3	0°25	18°50	n.a.	S 13
S 14	3 9 8	16°47'23	9♐29	15° 5	16°26	12°56	26°59	9° 5	24°25	3°53	9°36	1°54	0°22	18°57	n.a.	S 14
M15	3 13 5	17°48'37	21°42	13°44	17°41	13°16	26°55	9° 0	24°28	3°53	9°37	1°45	0°19	19° 3	n.a.	M15
T 16	3 17 1	18°49'51	3♑45	12°28	18°56	13°36	26°50	8°56	24°31	3°53	9°38	1°36	0°16	19°10	n.a.	T 16
W17	3 20 58	19°51'06	15°40	11°18	20°10	13°57	26°45	8°51	24°34	3°53	9°39	1°29	0°12	19°17	n.a.	W17
T 18	3 24 55	20°52'21	27°31	10°17	21°25	14°18	26°39	8°47	24°37	3°53	9°41	1°24	0° 9	19°24	n.a.	T 18
F 19	3 28 51	21°53'36	9♒22	9°26	22°39	14°39	26°34	8°42	24°40	3°53	9°42	1°21	0° 6	19°30	n.a.	F 19
S 20	3 32 48	22°54'51	21°17	8°45	23°54	15° 1	26°29	8°37	24°43	3°53	9°43	1°D20	0° 3	19°37	n.a.	S 20
S 21	3 36 44	23°56'06	3♓22	8°15	25° 9	15°23	26°23	8°33	24°47	3°D53	9°45	1°20	29♍59	19°44	n.a.	S 21
M22	3 40 41	24°57'21	15°41	7°56	26°24	15°46	26°17	8°28	24°50	3°53	9°46	1°21	29°57	19°50	n.a.	M22
T 23	3 44 37	25°58'36	28°21	7°D47	27°38	16° 9	26°11	8°23	24°53	3°53	9°47	1°R22	29°53	19°57	n.a.	T 23
W24	3 48 34	26°59'51	11♈24	7°48	28°53	16°32	26° 5	8°18	24°56	3°53	9°49	1°22	29°50	20° 4	n.a.	W24
T 25	3 52 30	28° 1'06	24°54	7°58	0♏ 8	16°56	25°59	8°13	24°59	3°53	9°50	1°19	29°47	20°11	n.a.	T 25
F 26	3 56 27	29° 2'21	8♉51	8°17	1°22	17°20	25°52	8° 9	25° 3	3°53	9°52	1°14	29°44	20°17	n.a.	F 26
S 27	4 0 24	0♐ 3'36	23°12	8°43	2°37	17°44	25°46	8° 4	25° 6	3°53	9°53	1° 7	29°41	20°24	n.a.	S 27
S 28	4 4 20	1° 4'51	7♊53	9°16	3°52	18° 9	25°39	7°59	25° 9	3°54	9°55	0°57	29°38	20°31	n.a.	S 28
M29	4 8 17	2° 6'06	22°46	9°55	5° 7	18°34	25°32	7°54	25°13	3°54	9°56	0°47	29°34	20°37	n.a.	M29
T 30	4 12 13	3♐ 7'21	7♋41	10♏39	6♏22	18♓59	25♊25	7♊49	25♐16	3♓54	9♑58	0♎38	29♍31	20♑44	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s51	17n49	4s55	20s47	1s58	1n31	1n49	9s23	1s20	23n49	0n 5	21n 0	1s14	23s54	0s19	11s38	1s34	30s18	6s54	0s59	0s25	17s41		n.a.
T 2	13 12	18 33	5 11	20 43	1 49	1 2	1 49	9 15	1 17	23 49	0 6	21 0	1 14	23 55	0 19	11 38	1 34	30 18	6 54	0 57	0 24	17 41		n.a.
W 3	13 33	18 4	5 7	20 35	1 38	0 32	1 49	9 7	1 14	23 49	0 6	20 59	1 14	23 55	0 19	11 38	1 34	30 17	6 54	0 56	0 23	17 40		n.a.
T 4	13 53	16 27	4 45	20 24	1 25	0 2	1 49	8 59	1 11	23 49	0 6	20 59	1 14	23 55	0 18	11 38	1 34	30 17	6 54	0 55	0 22	17 40		n.a.
F 5	14 14	13 51	4 5	20 8	1 11	0s27	1 49	8 50	1 8	23 49	0 6	20 58	1 14	23 55	0 18	11 38	1 34	30 17	6 54	0 55	0 20	17 39		n.a.
S 6	14 34	10 28	3 11	19 48	0 56	0 57	1 49	8 42	1 5	23 50	0 6	20 58	1 14	23 55	0 18	11 39	1 34	30 17	6 54	0 55	0 19	17 38		n.a.
S 7	14 53	6 33	2 6	19 23	0 39	1 27	1 49	8 33	1 2	23 50	0 6	20 57	1 14	23 55	0 18	11 39	1 34	30 17	6 54	0 56	0 18	17 38		n.a.
M 8	15 13	2 21	0 56	18 54	0 20	1 57	1 49	8 24	1 0	23 50	0 7	20 56	1 14	23 55	0 18	11 39	1 34	30 17	6 54	0 56	0 17	17 37		n.a.
T 9	15 32	1s56	0n17	18 21	0 1	2 27	1 48	8 15	0 57	23 50	0 7	20 56	1 14	23 55	0 18	11 39	1 34	30 16	6 53	0 57	0 15	17 37		n.a.
W10	15 51	6 3	1 27	17 45	0n19	2 57	1 48	8 6	0 54	23 50	0 7	20 55	1 14	23 56	0 18	11 39	1 34	30 16	6 53	0 56	0 14	17 36		n.a.
T 11	16 10	9 49	2 32	17 6	0 40	3 26	1 47	7 57	0 52	23 50	0 7	20 55	1 14	23 56	0 18	11 39	1 34	30 16	6 53	0 55	0 13	17 35		n.a.
F 12	16 28	13 4	3 28	16 24	1 0	3 56	1 47	7 47	0 49	23 50	0 7	20 54	1 14	23 56	0 18	11 39	1 34	30 16	6 53	0 52	0 11	17 35		n.a.
S 13	16 46	15 39	4 13	15 42	1 20	4 26	1 46	7 38	0 47	23 50	0 7	20 53	1 14	23 56	0 18	11 39	1 33	30 16	6 53	0 49	0 10	17 34		n.a.
S 14	17 4	17 28	4 45	15 0	1 39	4 56	1 45	7 28	0 44	23 50	0 7	20 53	1 14	23 56	0 18	11 39	1 33	30 16	6 53	0 46	0 9	17 33		n.a.
M15	17 22	18 27	5 3	14 20	1 56	5 25	1 45	7 18	0 42	23 50	0 8	20 52	1 14	23 56	0 18	11 39	1 33	30 15	6 53	0 42	0 8	17 33		n.a.
T 16	17 39	18 35	5 7	13 42	2 11	5 55	1 44	7 8	0 39	23 50	0 8	20 51	1 14	23 56	0 18	11 39	1 33	30 15	6 53	0 39	0 6	17 32		n.a.
W17	17 56	17 53	4 58	13 8	2 24	6 24	1 43	6 58	0 37	23 50	0 8	20 51	1 14	23 56	0 18	11 39	1 33	30 15	6 53	0 36	0 5	17 31		n.a.
T 18	18 12	16 24	4 36	12 39	2 35	6 53	1 42	6 48	0 35	23 50	0 8	20 50	1 14	23 57	0 18	11 39	1 33	30 15	6 53	0 34	0 4	17 31		n.a.
F 19	18 28	14 14	4 3	12 14	2 43	7 22	1 40	6 37	0 33	23 50	0 8	20 49	1 14	23 57	0 18	11 39	1 33	30 15	6 53	0 32	0 2	17 30		n.a.
S 20	18 44	11 27	3 18	11 55	2 50	7 51	1 39	6 27	0 31	23 50	0 8	20 49	1 13	23 57	0 18	11 39	1 33	30 14	6 53	0 32	0 1	17 30		n.a.
S 21	19 0	8 9	2 25	11 42	2 54	8 20	1 38	6 16	0 28	23 50	0 9	20 48	1 13	23 57	0 18	11 39	1 33	30 14	6 53	0 32	0n 0	17 29		n.a.
M22	19 15	4 26	1 23	11 33	2 56	8 49	1 37	6 5	0 26	23 50	0 9	20 47	1 13	23 57	0 18	11 39	1 33	30 14	6 52	0 33	0 1	17 28		n.a.
T 23	19 30	0 25	0 16	11 30	2 57	9 17	1 35	5 54	0 24	23 50	0 9	20 47	1 13	23 57	0 18	11 39	1 33	30 14	6 52	0 33	0 3	17 28		n.a.
W24	19 44	3n45	0s54	11 31	2 56	9 45	1 34	5 43	0 22	23 50	0 9	20 46	1 13	23 57	0 18	11 39	1 33	30 14	6 52	0 33	0 4	17 27		n.a.
T 25	19 58	7 52	2 3	11 36	2 54	10 13	1 32	5 32	0 20	23 50	0 9	20 45	1 13	23 57	0 18	11 39	1 33	30 14	6 52	0 32	0 5	17 26		n.a.
F 26	20 12	11 41	3 6	11 45	2 51	10 41	1 31	5 21	0 18	23 50	0 9	20 45	1 13	23 58	0 18	11 39	1 33	30 13	6 52	0 30	0 7	17 26		n.a.
S 27	20 25	14 56	4 0	11 58	2 47	11 9	1 29	5 10	0 17	23 50	0 10	20 44	1 13	23 58	0 18	11 39	1 33	30 13	6 52	0 27	0 8	17 25		n.a.
S 28	20 38	17 18	4 40	12 13	2 42	11 36	1 28	4 58	0 15	23 50	0 10	20 43	1 13	23 58	0 18	11 39	1 33	30 13	6 52	0 23	0 9	17 24		n.a.
M29	20 51	18 33	5 1	12 31	2 36	12 3	1 26	4 47	0 13	23 50	0 10	20 43	1 13	23 58	0 18	11 39	1 33	30 13	6 52	0 19	0 10	17 24		n.a.
T 30	21s 3	18n30	5s 1	12s51	2n30	12s30	1n24	4s35	0s11	23n50	0n10	20n42	1s13	23s58	0s18	11s38	1s33	30s13	6s52	0s15	0n12	17s23		n.a.

Julian Day Number = 1559921.5, Delta T = 04h24m54s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'44, Lahiri = -10°03'44 Julian Calendar 1 Nov. 443 BCE == Greg. Calendar 27 Oct. 443 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 443 BCE
geocentric

DECEMBER 443 BCE (-442) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 16 10	4♐ 8'37	22♋30	11♏29	7♏37	19♓25	25°R18	7°R44	25♐19	3♓55	9♑59	0°R30	29♍28	20♑51	n.a.	W 1
T 2	4 20 6	5° 9'52	7♌ 6	12°23	8°51	19°50	25♊11	7♊39	25°23	3°55	10° 1	0♎24	29°25	20°58	n.a.	T 2
F 3	4 24 3	6°11'08	21°24	13°20	10° 6	20°17	25° 4	7°34	25°26	3°55	10° 2	0°21	29°22	21° 4	n.a.	F 3
S 4	4 27 59	7°12'23	5♍22	14°21	11°21	20°43	24°57	7°29	25°29	3°56	10° 4	0°D20	29°18	21°11	n.a.	S 4
S 5	4 31 56	8°13'39	19° 1	15°25	12°36	21°10	24°49	7°24	25°33	3°56	10° 6	0°20	29°15	21°18	n.a.	S 5
M 6	4 35 53	9°14'55	2♎21	16°32	13°51	21°36	24°42	7°19	25°36	3°57	10° 7	0°R21	29°12	21°24	n.a.	M 6
T 7	4 39 49	10°16'10	15°26	17°41	15° 6	22° 4	24°34	7°14	25°40	3°57	10° 9	0°20	29° 9	21°31	n.a.	T 7
W 8	4 43 46	11°17'26	28°18	18°52	16°21	22°31	24°26	7° 9	25°43	3°58	10°10	0°16	29° 6	21°38	n.a.	W 8
T 9	4 47 42	12°18'41	10♏58	20° 6	17°36	22°59	24°19	7° 4	25°47	3°59	10°12	0°10	29° 3	21°45	n.a.	T 9
F 10	4 51 39	13°19'56	23°28	21°21	18°51	23°26	24°11	6°59	25°50	3°59	10°14	0° 1	28°59	21°51	n.a.	F 10
S 11	4 55 35	14°21'11	5♐49	22°37	20° 6	23°54	24° 3	6°54	25°54	4° 0	10°15	29♍49	28°56	21°58	n.a.	S 11
S 12	4 59 32	15°22'25	18° 2	23°55	21°21	24°23	23°55	6°49	25°57	4° 1	10°17	29°35	28°53	22° 5	n.a.	S 12
M13	5 3 29	16°23'39	0♑ 7	25°15	22°36	24°51	23°47	6°44	26° 1	4° 1	10°19	29°20	28°50	22°11	n.a.	M13
T 14	5 7 25	17°24'52	12° 5	26°35	23°51	25°20	23°39	6°40	26° 4	4° 2	10°20	29° 6	28°47	22°18	n.a.	T 14
W15	5 11 22	18°26'04	23°58	27°57	25° 6	25°49	23°31	6°35	26° 8	4° 3	10°22	28°54	28°44	22°25	n.a.	W15
T 16	5 15 18	19°27'16	5♒48	29°20	26°21	26°18	23°23	6°30	26°11	4° 4	10°24	28°44	28°40	22°32	n.a.	T 16
F 17	5 19 15	20°28'26	17°37	0♐43	27°35	26°48	23°15	6°25	26°15	4° 5	10°26	28°37	28°37	22°38	n.a.	F 17
S 18	5 23 11	21°29'36	29°30	2° 8	28°50	27°17	23° 7	6°20	26°18	4° 6	10°27	28°33	28°34	22°45	n.a.	S 18
S 19	5 27 8	22°30'44	11♓31	3°33	0♐ 5	27°47	22°59	6°16	26°22	4° 7	10°29	28°31	28°31	22°52	n.a.	S 19
M20	5 31 4	23°31'52	23°46	4°59	1°20	28°17	22°51	6°11	26°25	4° 8	10°31	28°31	28°28	22°58	n.a.	M20
T 21	5 35 1	24°32'58	6♈20	6°26	2°35	28°47	22°43	6° 7	26°29	4° 9	10°33	28°30	28°24	23° 5	n.a.	T 21
W22	5 38 58	25°34'03	19°17	7°54	3°50	29°17	22°35	6° 2	26°32	4°10	10°34	28°29	28°21	23°12	n.a.	W22
T 23	5 42 54	26°35'07	2♉43	9°23	5° 5	29°47	22°27	5°57	26°36	4°11	10°36	28°26	28°18	23°18	n.a.	T 23
F 24	5 46 51	27°36'09	16°39	10°52	6°20	0♈18	22°19	5°53	26°39	4°12	10°38	28°20	28°15	23°25	n.a.	F 24
S 25	5 50 47	28°37'11	1♊ 4	12°22	7°35	0°49	22°11	5°49	26°43	4°13	10°40	28°12	28°12	23°32	n.a.	S 25
S 26	5 54 44	29°38'11	15°55	13°52	8°50	1°20	22° 3	5°44	26°46	4°14	10°42	28° 1	28° 9	23°39	n.a.	S 26
M27	5 58 40	0♑39'10	1♋ 4	15°23	10° 5	1°51	21°55	5°40	26°50	4°16	10°43	27°49	28° 5	23°45	n.a.	M27
T 28	6 2 37	1°40'08	16°21	16°55	11°20	2°22	21°47	5°36	26°53	4°17	10°45	27°38	28° 2	23°52	n.a.	T 28
W29	6 6 33	2°41'05	1♌33	18°28	12°35	2°53	21°40	5°32	26°57	4°18	10°47	27°28	27°59	23°59	n.a.	W29
T 30	6 10 30	3°42'01	16°31	20° 1	13°50	3°25	21°32	5°28	27° 1	4°19	10°49	27°20	27°56	24° 5	n.a.	T 30
F 31	6 14 27	4♑42'56	1♍ 7	21♐35	15♐ 4	3♈56	21♊24	5♊24	27♐ 4	4♓21	10♑51	27♍16	27♍53	24♑12	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21s15	17n12	4s42	13s12	2n23	12s56	1n22	4s23	0s 9	23n50	0n10	20n41	1s13	23s58	0s18	11s38	1s33	30s13	6s52	0s12	0n13	17s22		n.a.
T 2	21 26	14 48	4 4	13 36	2 16	13 22	1 20	4 11	0 8	23 50	0 10	20 40	1 13	23 58	0 18	11 38	1 33	30 12	6 52	0 10	0 14	17 21		n.a.
F 3	21 37	11 32	3 12	14 0	2 8	13 48	1 18	3 59	0 6	23 50	0 11	20 40	1 12	23 58	0 18	11 38	1 33	30 12	6 52	0 8	0 15	17 21		n.a.
S 4	21 48	7 40	2 9	14 26	2 1	14 13	1 16	3 47	0 4	23 50	0 11	20 39	1 12	23 59	0 18	11 38	1 33	30 12	6 52	0 8	0 17	17 20		n.a.
S 5	21 58	3 29	1 0	14 52	1 53	14 38	1 14	3 35	0 3	23 49	0 11	20 38	1 12	23 59	0 18	11 37	1 32	30 12	6 52	0 8	0 18	17 19		n.a.
M 6	22 7	0s47	0n11	15 19	1 45	15 3	1 12	3 23	0 1	23 49	0 11	20 38	1 12	23 59	0 18	11 37	1 32	30 12	6 52	0 8	0 19	17 19		n.a.
T 7	22 16	4 56	1 19	15 47	1 37	15 27	1 10	3 11	0n 1	23 49	0 11	20 37	1 12	23 59	0 18	11 37	1 32	30 12	6 52	0 8	0 21	17 18		n.a.
W 8	22 25	8 47	2 23	16 14	1 28	15 51	1 8	2 59	0 2	23 49	0 11	20 36	1 12	23 59	0 18	11 37	1 32	30 11	6 52	0 7	0 22	17 17		n.a.
T 9	22 34	12 11	3 18	16 42	1 20	16 15	1 6	2 46	0 4	23 49	0 12	20 35	1 12	23 59	0 19	11 36	1 32	30 11	6 52	0 4	0 23	17 17		n.a.
F 10	22 41	14 58	4 2	17 10	1 12	16 38	1 4	2 34	0 5	23 49	0 12	20 35	1 12	23 59	0 19	11 36	1 32	30 11	6 52	0 0	0 24	17 16		n.a.
S 11	22 49	17 3	4 35	17 38	1 4	17 1	1 1	2 21	0 7	23 48	0 12	20 34	1 12	23 59	0 19	11 36	1 32	30 11	6 52	0n 5	0 26	17 15		n.a.
S 12	22 56	18 19	4 54	18 6	0 55	17 23	0 59	2 8	0 8	23 48	0 12	20 33	1 11	23 59	0 19	11 35	1 32	30 11	6 52	0 10	0 27	17 14		n.a.
M13	23 2	18 45	5 0	18 33	0 47	17 45	0 57	1 56	0 9	23 48	0 12	20 33	1 11	24 0	0 19	11 35	1 32	30 11	6 52	0 16	0 28	17 14		n.a.
T 14	23 8	18 20	4 53	19 0	0 39	18 6	0 54	1 43	0 11	23 48	0 12	20 32	1 11	24 0	0 19	11 35	1 32	30 11	6 52	0 22	0 30	17 13		n.a.
W15	23 14	17 7	4 32	19 27	0 31	18 27	0 52	1 30	0 12	23 48	0 12	20 31	1 11	24 0	0 19	11 34	1 32	30 10	6 52	0 27	0 31	17 12		n.a.
T 16	23 19	15 11	4 0	19 53	0 23	18 47	0 49	1 17	0 13	23 47	0 13	20 30	1 11	24 0	0 19	11 34	1 32	30 10	6 52	0 31	0 32	17 12		n.a.
F 17	23 24	12 36	3 18	20 19	0 15	19 7	0 47	1 4	0 15	23 47	0 13	20 30	1 11	24 0	0 19	11 34	1 32	30 10	6 52	0 34	0 33	17 11		n.a.
S 18	23 28	9 30	2 27	20 44	0 8	19 26	0 45	0 51	0 16	23 47	0 13	20 29	1 11	24 0	0 19	11 33	1 32	30 10	6 52	0 35	0 35	17 10		n.a.
S 19	23 32	5 58	1 29	21 8	0 0	19 45	0 42	0 38	0 17	23 46	0 13	20 28	1 10	24 0	0 19	11 33	1 32	30 10	6 52	0 36	0 36	17 9		n.a.
M20	23 35	2 7	0 25	21 32	0s 7	20 3	0 40	0 25	0 18	23 46	0 13	20 28	1 10	24 0	0 19	11 33	1 32	30 10	6 52	0 36	0 37	17 9		n.a.
T 21	23 38	1n55	0s41	21 54	0 15	20 20	0 37	0 12	0 20	23 46	0 13	20 27	1 10	24 0	0 19	11 32	1 32	30 10	6 52	0 36	0 38	17 8		n.a.
W22	23 40	5 59	1 48	22 16	0 22	20 37	0 34	0n 2	0 21	23 46	0 14	20 26	1 10	24 1	0 19	11 32	1 32	30 9	6 52	0 36	0 40	17 7		n.a.
T 23	23 42	9 54	2 50	22 37	0 29	20 54	0 32	0 15	0 22	23 45	0 14	20 26	1 10	24 1	0 19	11 31	1 32	30 9	6 52	0 38	0 41	17 6		n.a.
F 24	23 43	13 26	3 45	22 57	0 36	21 10	0 29	0 28	0 23	23 45	0 14	20 25	1 10	24 1	0 19	11 31	1 32	30 9	6 52	0 40	0 42	17 6		n.a.
S 25	23 44	16 16	4 28	23 16	0 42	21 25	0 27	0 42	0 24	23 45	0 14	20 25	1 10	24 1	0 19	11 30	1 32	30 9	6 52	0 44	0 44	17 5		n.a.
S 26	23 45	18 8	4 54	23 34	0 49	21 39	0 24	0 55	0 25	23 44	0 14	20 24	1 9	24 1	0 19	11 30	1 32	30 9	6 52	0 48	0 45	17 4		n.a.
M27	23 45	18 45	5 0	23 51	0 55	21 53	0 22	1 9	0 26	23 44	0 14	20 23	1 9	24 1	0 19	11 29	1 32	30 9	6 52	0 53	0 46	17 3		n.a.
T 28	23 44	18 1	4 45	24 6	1 1	22 7	0 19	1 22	0 27	23 44	0 14	20 23	1 9	24 1	0 19	11 29	1 31	30 9	6 52	0 57	0 47	17 3		n.a.
W29	23 43	16 1	4 9	24 21	1 7	22 19	0 16	1 36	0 28	23 43	0 15	20 22	1 9	24 1	0 19	11 28	1 31	30 9	6 52	1 1	0 49	17 2		n.a.
T 30	23 42	12 57	3 17	24 34	1 12	22 31	0 14	1 49	0 29	23 43	0 15	20 22	1 9	24 1	0 19	11 28	1 31	30 8	6 52	1 4	0 50	17 1		n.a.
F 31	23s40	9n 8	2s13	24s46	1s18	22s43	0n11	2n 3	0n30	23n43	0n15	20n21	1s 9	24s 1	0s19	11s27	1s31	30s 8	6s52	1n 6	0n51	17s 0		n.a.

Julian Day Number = 1559951.5, Delta T = 04h24m53s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'40, Lahiri = -10°03'40 Julian Calendar 1 Dec. 443 BCE == Greg. Calendar 26 Nov. 443 BCE

The year -442 astronomical counting style corresponds to year 443 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

JANUARY 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 18 23	5♉43'50	15♍18	23♐10	16♐19	4♈28	21°R17	5°R20	27♐ 8	4♓22	10♉52	27°R14	27♍49	24♉19	n.a.	S 1
S 2	6 22 20	6°44'43	29° 3	24°45	17°34	5° 0	21♊ 9	5♊16	27°11	4°23	10°54	27°D14	27°46	24°26	n.a.	S 2
M 3	6 26 16	7°45'35	12♎23	26°21	18°49	5°32	21° 2	5°12	27°15	4°25	10°56	27°R14	27°43	24°32	n.a.	M 3
T 4	6 30 13	8°46'26	25°23	27°58	20° 4	6° 4	20°54	5° 8	27°18	4°26	10°58	27♍13	27°40	24°39	n.a.	T 4
W 5	6 34 9	9°47'16	8♏ 4	29°36	21°19	6°36	20°47	5° 5	27°22	4°28	11° 0	27°10	27°37	24°46	n.a.	W 5
T 6	6 38 6	10°48'04	20°32	1♉14	22°34	7° 8	20°40	5° 1	27°25	4°29	11° 2	27° 4	27°34	24°52	n.a.	T 6
F 7	6 42 2	11°48'52	2♐49	2°53	23°49	7°41	20°33	4°57	27°28	4°31	11° 3	26°55	27°30	24°59	n.a.	F 7
S 8	6 45 59	12°49'38	14°57	4°33	25° 4	8°13	20°26	4°54	27°32	4°32	11° 5	26°44	27°27	25° 6	n.a.	S 8
S 9	6 49 56	13°50'23	26°59	6°14	26°18	8°46	20°19	4°51	27°35	4°34	11° 7	26°30	27°24	25°13	n.a.	S 9
M10	6 53 52	14°51'06	8♉56	7°56	27°33	9°19	20°12	4°48	27°39	4°35	11° 9	26°16	27°21	25°19	n.a.	M10
T 11	6 57 49	15°51'48	20°49	9°38	28°48	9°52	20° 5	4°44	27°42	4°37	11°11	26° 2	27°18	25°26	n.a.	T 11
W12	7 1 45	16°52'28	2♒40	11°21	0♉ 3	10°25	19°59	4°41	27°46	4°39	11°12	25°50	27°15	25°33	n.a.	W12
T 13	7 5 42	17°53'07	14°30	13° 6	1°18	10°58	19°52	4°38	27°49	4°40	11°14	25°40	27°11	25°39	n.a.	T 13
F 14	7 9 38	18°53'44	26°21	14°51	2°33	11°31	19°46	4°36	27°52	4°42	11°16	25°33	27° 8	25°46	n.a.	F 14
S 15	7 13 35	19°54'19	8♓16	16°36	3°47	12° 4	19°40	4°33	27°56	4°44	11°18	25°29	27° 5	25°53	n.a.	S 15
S 16	7 17 31	20°54'52	20°19	18°23	5° 2	12°37	19°34	4°30	27°59	4°45	11°20	25°D28	27° 2	26° 0	n.a.	S 16
M17	7 21 28	21°55'23	2♈33	20°11	6°17	13°11	19°28	4°28	28° 2	4°47	11°22	25°28	26°59	26° 6	n.a.	M17
T 18	7 25 25	22°55'52	15° 4	21°59	7°32	13°44	19°23	4°25	28° 6	4°49	11°23	25°29	26°55	26°13	n.a.	T 18
W19	7 29 21	23°56'19	27°56	23°49	8°47	14°18	19°17	4°23	28° 9	4°51	11°25	25°R29	26°52	26°20	n.a.	W19
T 20	7 33 18	24°56'44	11♉13	25°39	10° 1	14°52	19°12	4°21	28°12	4°53	11°27	25°27	26°49	26°26	n.a.	T 20
F 21	7 37 14	25°57'07	24°59	27°30	11°16	15°25	19° 7	4°18	28°15	4°54	11°29	25°24	26°46	26°33	n.a.	F 21
S 22	7 41 11	26°57'28	9♊15	29°22	12°31	15°59	19° 2	4°16	28°19	4°56	11°30	25°18	26°43	26°40	n.a.	S 22
S 23	7 45 7	27°57'47	23°58	1♒14	13°45	16°33	18°57	4°14	28°22	4°58	11°32	25°10	26°40	26°46	n.a.	S 23
M24	7 49 4	28°58'03	9♋ 4	3° 7	15° 0	17° 7	18°52	4°13	28°25	5° 0	11°34	25° 2	26°36	26°53	n.a.	M24
T 25	7 53 0	29°58'18	24°22	5° 1	16°15	17°41	18°47	4°11	28°28	5° 2	11°36	24°53	26°33	27° 0	n.a.	T 25
W26	7 56 57	0♒58'31	9♌42	6°55	17°30	18°15	18°43	4° 9	28°31	5° 4	11°38	24°46	26°30	27° 7	n.a.	W26
T 27	8 0 54	1°58'42	24°52	8°50	18°44	18°49	18°39	4° 8	28°34	5° 6	11°39	24°40	26°27	27°13	n.a.	T 27
F 28	8 4 50	2°58'51	9♍43	10°44	19°59	19°24	18°35	4° 6	28°38	5° 8	11°41	24°37	26°24	27°20	n.a.	F 28
S 29	8 8 47	3°58'58	24° 9	12°39	21°14	19°58	18°31	4° 5	28°41	5°10	11°43	24°D36	26°21	27°27	n.a.	S 29
S 30	8 12 43	4°59'04	8♎ 7	14°33	22°28	20°32	18°27	4° 4	28°44	5°12	11°44	24°37	26°17	27°33	n.a.	S 30
M31	8 16 40	5♒59'08	21♎37	16♒27	23♉43	21♈ 7	18♊24	4♊ 3	28♐47	5♓14	11♉46	24♍38	26♍14	27♉40	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s37	4n54	1s 3	24s57	1s23	22s53	0n 9	2n17	0n31	23n42	0n15	20n21	1s 8	24s 2	0s19	11s27	1s31	30s 8	6s52	1n 7	0n53	17s 0		n.a.
S 2	23 34	0 32	0n10	25 6	1 28	23 3	0 6	2 30	0 32	23 42	0 15	20 20	1 8	24 2	0 19	11 26	1 31	30 8	6 52	1 7	0 54	16 59		n.a.
M 3	23 31	3s44	1 19	25 14	1 32	23 13	0 4	2 44	0 33	23 41	0 15	20 20	1 8	24 2	0 19	11 26	1 31	30 8	6 52	1 7	0 55	16 58		n.a.
T 4	23 27	7 43	2 23	25 20	1 36	23 21	0 1	2 58	0 34	23 41	0 15	20 19	1 8	24 2	0 19	11 25	1 31	30 8	6 52	1 7	0 56	16 57		n.a.
W 5	23 23	11 15	3 18	25 25	1 40	23 29	0s 2	3 11	0 35	23 41	0 15	20 19	1 8	24 2	0 19	11 25	1 31	30 8	6 52	1 9	0 58	16 56		n.a.
T 6	23 18	14 13	4 3	25 28	1 44	23 36	0 4	3 25	0 36	23 40	0 16	20 18	1 8	24 2	0 19	11 24	1 31	30 8	6 52	1 11	0 59	16 56		n.a.
F 7	23 13	16 30	4 35	25 30	1 47	23 43	0 7	3 39	0 37	23 40	0 16	20 18	1 7	24 2	0 19	11 23	1 31	30 8	6 52	1 14	1 0	16 55		n.a.
S 8	23 7	18 0	4 55	25 30	1 50	23 48	0 9	3 53	0 38	23 40	0 16	20 17	1 7	24 2	0 19	11 23	1 31	30 8	6 52	1 19	1 1	16 54		n.a.
S 9	23 1	18 42	5 1	25 29	1 53	23 53	0 12	4 7	0 39	23 39	0 16	20 17	1 7	24 2	0 19	11 22	1 31	30 7	6 53	1 24	1 3	16 53		n.a.
M10	22 54	18 34	4 54	25 26	1 55	23 57	0 14	4 20	0 39	23 39	0 16	20 16	1 7	24 2	0 19	11 22	1 31	30 7	6 53	1 30	1 4	16 53		n.a.
T 11	22 47	17 36	4 34	25 21	1 57	24 1	0 17	4 34	0 40	23 38	0 16	20 16	1 7	24 2	0 19	11 21	1 31	30 7	6 53	1 36	1 5	16 52		n.a.
W12	22 40	15 53	4 2	25 14	1 59	24 4	0 19	4 48	0 41	23 38	0 16	20 16	1 6	24 2	0 19	11 20	1 31	30 7	6 53	1 41	1 7	16 51		n.a.
T 13	22 32	13 31	3 20	25 5	2 0	24 6	0 21	5 2	0 42	23 38	0 16	20 15	1 6	24 2	0 19	11 20	1 31	30 7	6 53	1 44	1 8	16 50		n.a.
F 14	22 24	10 34	2 28	24 55	2 1	24 7	0 24	5 16	0 43	23 37	0 17	20 15	1 6	24 3	0 19	11 19	1 31	30 7	6 53	1 47	1 9	16 49		n.a.
S 15	22 15	7 11	1 30	24 42	2 1	24 8	0 26	5 30	0 43	23 37	0 17	20 15	1 6	24 3	0 19	11 18	1 31	30 7	6 53	1 49	1 10	16 48		n.a.
S 16	22 6	3 28	0 27	24 28	2 1	24 7	0 28	5 43	0 44	23 37	0 17	20 14	1 6	24 3	0 19	11 18	1 31	30 7	6 53	1 49	1 12	16 48		n.a.
M17	21 56	0n27	0s38	24 12	2 1	24 6	0 31	5 57	0 45	23 36	0 17	20 14	1 5	24 3	0 19	11 17	1 31	30 7	6 53	1 49	1 13	16 47		n.a.
T 18	21 46	4 26	1 43	23 54	2 0	24 5	0 33	6 11	0 46	23 36	0 17	20 14	1 5	24 3	0 19	11 16	1 31	30 7	6 53	1 49	1 14	16 46		n.a.
W19	21 36	8 19	2 44	23 33	1 58	24 2	0 35	6 25	0 46	23 35	0 17	20 14	1 5	24 3	0 19	11 16	1 31	30 7	6 53	1 49	1 16	16 45		n.a.
T 20	21 25	11 55	3 39	23 11	1 56	23 59	0 38	6 39	0 47	23 35	0 17	20 13	1 5	24 3	0 19	11 15	1 31	30 7	6 54	1 50	1 17	16 44		n.a.
F 21	21 14	15 0	4 24	22 47	1 54	23 55	0 40	6 53	0 48	23 35	0 17	20 13	1 5	24 3	0 19	11 14	1 31	30 7	6 54	1 51	1 18	16 44		n.a.
S 22	21 2	17 17	4 53	22 21	1 50	23 51	0 42	7 6	0 48	23 35	0 17	20 13	1 4	24 3	0 19	11 13	1 31	30 7	6 54	1 53	1 19	16 43		n.a.
S 23	20 50	18 32	5 5	21 52	1 47	23 45	0 44	7 20	0 49	23 34	0 18	20 13	1 4	24 3	0 19	11 13	1 31	30 7	6 54	1 56	1 21	16 42		n.a.
M24	20 38	18 30	4 56	21 22	1 42	23 39	0 46	7 34	0 50	23 34	0 18	20 13	1 4	24 3	0 19	11 12	1 31	30 6	6 54	2 0	1 22	16 41		n.a.
T 25	20 25	17 9	4 26	20 50	1 37	23 32	0 48	7 48	0 50	23 34	0 18	20 13	1 4	24 3	0 19	11 11	1 31	30 6	6 54	2 3	1 23	16 40		n.a.
W26	20 12	14 34	3 37	20 16	1 32	23 25	0 50	8 2	0 51	23 33	0 18	20 12	1 4	24 3	0 19	11 11	1 31	30 6	6 54	2 6	1 24	16 39		n.a.
T 27	19 58	11 0	2 33	19 40	1 26	23 16	0 52	8 15	0 51	23 33	0 18	20 12	1 3	24 3	0 19	11 10	1 31	30 6	6 54	2 9	1 26	16 39		n.a.
F 28	19 45	6 48	1 19	19 2	1 19	23 7	0 54	8 29	0 52	23 33	0 18	20 12	1 3	24 3	0 19	11 9	1 31	30 6	6 55	2 10	1 27	16 38		n.a.
S 29	19 30	2 19	0 2	18 22	1 11	22 58	0 56	8 43	0 53	23 33	0 18	20 12	1 3	24 3	0 19	11 8	1 31	30 6	6 55	2 10	1 28	16 37		n.a.
S 30	19 16	2s 9	1n12	17 41	1 3	22 47	0 57	8 56	0 53	23 32	0 18	20 12	1 3	24 3	0 19	11 8	1 31	30 6	6 55	2 10	1 30	16 36		n.a.
M31	19s 1	6s22	2n20	16s58	0s54	22s36	0s59	9n10	0n54	23n32	0n18	20n12	1s 3	24s 3	0s19	11s 7	1s30	30s 6	6s55	2n10	1n31	16s35		n.a.

Julian Day Number = 1559982.5, Delta T = 04h24m52s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'36, Lahiri = -10°03'35 Julian Calendar 1 Jan. 442 BCE == Greg. Calendar 27 Dec. 443 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

FEBRUARY 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 20 36	6♒59'10	4♏42	18♒20	24♉58	21♈41	18°R21	4°R 2	28♐50	5♓16	11♉48	24°R39	26♍11	27♉47	n.a.	T 1
W 2	8 24 33	7°59'10	17°24	20°12	26°12	22°16	18♊17	4♊ 1	28°53	5°18	11°49	24♍38	26° 8	27°53	n.a.	W 2
T 3	8 28 29	8°59'09	29°49	22° 2	27°27	22°50	18°14	4° 0	28°55	5°20	11°51	24°36	26° 5	28° 0	n.a.	T 3
F 4	8 32 26	9°59'06	12♐ 1	23°50	28°41	23°25	18°12	4° 0	28°58	5°22	11°53	24°31	26° 1	28° 7	n.a.	F 4
S 5	8 36 23	10°59'01	24° 2	25°36	29°56	24° 0	18° 9	3°59	29° 1	5°24	11°54	24°25	25°58	28°14	n.a.	S 5
S 6	8 40 19	11°58'55	5♉58	27°19	1♒11	24°34	18° 7	3°59	29° 4	5°26	11°56	24°18	25°55	28°20	n.a.	S 6
M 7	8 44 16	12°58'46	17°49	28°59	2°25	25° 9	18° 5	3°58	29° 7	5°29	11°58	24° 9	25°52	28°27	n.a.	M 7
T 8	8 48 12	13°58'36	29°40	0♓35	3°40	25°44	18° 3	3°58	29°10	5°31	11°59	24° 1	25°49	28°34	n.a.	T 8
W 9	8 52 9	14°58'23	11♒31	2° 6	4°54	26°19	18° 1	3°D58	29°12	5°33	12° 1	23°54	25°46	28°40	n.a.	W 9
T 10	8 56 5	15°58'08	23°24	3°32	6° 9	26°54	17°59	3°58	29°15	5°35	12° 2	23°49	25°42	28°47	n.a.	T 10
F 11	9 0 2	16°57'51	5♓21	4°53	7°23	27°29	17°58	3°58	29°18	5°37	12° 4	23°45	25°39	28°54	n.a.	F 11
S 12	9 3 58	17°57'32	17°24	6° 8	8°38	28° 4	17°57	3°59	29°20	5°39	12° 6	23°43	25°36	29° 1	n.a.	S 12
S 13	9 7 55	18°57'11	29°35	7°17	9°53	28°39	17°56	3°59	29°23	5°41	12° 7	23°D43	25°33	29° 7	n.a.	S 13
M14	9 11 52	19°56'47	11♈57	8°19	11° 7	29°14	17°55	4° 0	29°25	5°44	12° 9	23°45	25°30	29°14	n.a.	M14
T 15	9 15 48	20°56'21	24°34	9°14	12°21	29°50	17°54	4° 0	29°28	5°46	12°10	23°46	25°27	29°21	n.a.	T 15
W16	9 19 45	21°55'52	7♉28	10° 2	13°36	0♉25	17°54	4° 1	29°31	5°48	12°12	23°48	25°23	29°27	n.a.	W16
T 17	9 23 41	22°55'21	20°42	10°41	14°50	1° 0	17°54	4° 2	29°33	5°50	12°13	23°R48	25°20	29°34	n.a.	T 17
F 18	9 27 38	23°54'48	4♊21	11°14	16° 5	1°35	17°D54	4° 3	29°35	5°53	12°15	23°48	25°17	29°41	n.a.	F 18
S 19	9 31 34	24°54'12	18°23	11°38	17°19	2°11	17°54	4° 4	29°38	5°55	12°16	23°46	25°14	29°47	n.a.	S 19
S 20	9 35 31	25°53'34	2♋50	11°54	18°34	2°46	17°54	4° 5	29°40	5°57	12°17	23°43	25°11	29°54	n.a.	S 20
M21	9 39 27	26°52'54	17°38	12° 2	19°48	3°22	17°55	4° 6	29°42	5°59	12°19	23°40	25° 7	0♒ 1	n.a.	M21
T 22	9 43 24	27°52'11	2♌40	12°R 3	21° 3	3°57	17°55	4° 8	29°45	6° 1	12°20	23°36	25° 4	0° 7	n.a.	T 22
W23	9 47 20	28°51'25	17°47	11°56	22°17	4°33	17°56	4° 9	29°47	6° 4	12°22	23°33	25° 1	0°14	n.a.	W23
T 24	9 51 17	29°50'38	2♍52	11°42	23°31	5° 8	17°57	4°11	29°49	6° 6	12°23	23°31	24°58	0°21	n.a.	T 24
F 25	9 55 14	0♓49'48	17°43	11°21	24°46	5°44	17°59	4°12	29°51	6° 8	12°24	23°D30	24°55	0°28	n.a.	F 25
S 26	9 59 10	1°48'56	2♎14	10°54	26° 0	6°19	18° 0	4°14	29°53	6°11	12°25	23°30	24°52	0°34	n.a.	S 26
S 27	10 3 7	2°48'02	16°21	10°21	27°14	6°55	18° 2	4°16	29°55	6°13	12°27	23°31	24°48	0°41	n.a.	S 27
M28	10 7 3	3♓47'06	0♏ 0	9♓43	28♒29	7♉30	18♊ 4	4♊18	29♐57	6♓15	12♉28	23♍32	24♍45	0♒48	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s46	10s 8	3n19	16s14	0s45	22s25	1s 1	9n24	0n54	23n32	0n18	20n12	1s 2	24s 4	0s19	11s 6	1s30	30s 6	6s55	2n 9	1n32	16s34		n.a.
W 2	18 30	13 19	4 6	15 29	0 34	22 12	1 2	9 37	0 55	23 32	0 18	20 12	1 2	24 4	0 19	11 5	1 30	30 6	6 55	2 9	1 33	16 34		n.a.
T 3	18 14	15 48	4 40	14 43	0 24	21 59	1 4	9 51	0 55	23 32	0 19	20 12	1 2	24 4	0 19	11 4	1 30	30 6	6 55	2 10	1 35	16 33		n.a.
F 4	17 58	17 33	5 1	13 56	0 12	21 45	1 6	10 4	0 56	23 31	0 19	20 12	1 2	24 4	0 19	11 4	1 30	30 6	6 56	2 12	1 36	16 32		n.a.
S 5	17 42	18 28	5 9	13 9	0 0	21 31	1 7	10 18	0 56	23 31	0 19	20 13	1 2	24 4	0 19	11 3	1 30	30 6	6 56	2 15	1 37	16 31		n.a.
S 6	17 25	18 35	5 2	12 22	0n12	21 16	1 9	10 31	0 57	23 31	0 19	20 13	1 1	24 4	0 19	11 2	1 30	30 6	6 56	2 18	1 39	16 30		n.a.
M 7	17 8	17 52	4 43	11 35	0 25	21 0	1 10	10 45	0 57	23 31	0 19	20 13	1 1	24 4	0 19	11 1	1 30	30 6	6 56	2 21	1 40	16 29		n.a.
T 8	16 51	16 23	4 12	10 49	0 38	20 44	1 11	10 58	0 58	23 31	0 19	20 13	1 1	24 4	0 19	11 0	1 30	30 6	6 56	2 24	1 41	16 28		n.a.
W 9	16 33	14 12	3 29	10 3	0 52	20 27	1 13	11 11	0 58	23 31	0 19	20 13	1 1	24 4	0 19	11 0	1 30	30 6	6 56	2 27	1 42	16 27		n.a.
T 10	16 15	11 25	2 38	9 19	1 6	20 10	1 14	11 25	0 59	23 31	0 19	20 13	1 0	24 4	0 19	10 59	1 30	30 6	6 57	2 29	1 44	16 27		n.a.
F 11	15 57	8 9	1 39	8 36	1 20	19 52	1 15	11 38	0 59	23 31	0 19	20 14	1 0	24 4	0 19	10 58	1 30	30 6	6 57	2 31	1 45	16 26		n.a.
S 12	15 39	4 31	0 34	7 56	1 34	19 33	1 16	11 51	1 0	23 31	0 19	20 14	1 0	24 4	0 19	10 57	1 30	30 6	6 57	2 31	1 46	16 25		n.a.
S 13	15 20	0 39	0s32	7 17	1 47	19 14	1 17	12 4	1 0	23 31	0 19	20 14	1 0	24 4	0 19	10 56	1 30	30 6	6 57	2 31	1 47	16 24		n.a.
M14	15 1	3n17	1 38	6 41	2 1	18 55	1 18	12 17	1 1	23 31	0 19	20 14	1 0	24 4	0 19	10 55	1 30	30 6	6 57	2 31	1 49	16 23		n.a.
T 15	14 42	7 9	2 41	6 9	2 14	18 34	1 19	12 30	1 1	23 31	0 20	20 15	0 59	24 4	0 19	10 55	1 30	30 6	6 57	2 30	1 50	16 22		n.a.
W16	14 23	10 46	3 37	5 39	2 27	18 14	1 20	12 43	1 1	23 31	0 20	20 15	0 59	24 4	0 19	10 54	1 30	30 6	6 58	2 30	1 51	16 21		n.a.
T 17	14 3	13 56	4 23	5 12	2 39	17 52	1 21	12 56	1 2	23 31	0 20	20 15	0 59	24 4	0 19	10 53	1 30	30 6	6 58	2 29	1 53	16 20		n.a.
F 18	13 43	16 26	4 56	4 50	2 50	17 31	1 21	13 9	1 2	23 31	0 20	20 16	0 59	24 4	0 19	10 52	1 30	30 7	6 58	2 30	1 54	16 19		n.a.
S 19	13 23	18 3	5 12	4 31	3 0	17 9	1 22	13 22	1 3	23 31	0 20	20 16	0 59	24 4	0 19	10 51	1 30	30 7	6 58	2 30	1 55	16 19		n.a.
S 20	13 3	18 33	5 10	4 16	3 10	16 46	1 23	13 34	1 3	23 31	0 20	20 17	0 58	24 4	0 19	10 50	1 30	30 7	6 58	2 31	1 56	16 18		n.a.
M21	12 43	17 50	4 47	4 5	3 18	16 23	1 23	13 47	1 3	23 31	0 20	20 17	0 58	24 4	0 19	10 50	1 30	30 7	6 59	2 33	1 58	16 17		n.a.
T 22	12 22	15 51	4 4	3 58	3 25	15 59	1 24	14 0	1 4	23 31	0 20	20 18	0 58	24 4	0 20	10 49	1 30	30 7	6 59	2 34	1 59	16 16		n.a.
W23	12 1	12 47	3 4	3 56	3 31	15 35	1 24	14 12	1 4	23 31	0 20	20 18	0 58	24 4	0 20	10 48	1 30	30 7	6 59	2 36	2 0	16 15		n.a.
T 24	11 40	8 51	1 51	3 57	3 35	15 11	1 25	14 25	1 4	23 32	0 20	20 19	0 58	24 4	0 20	10 47	1 30	30 7	6 59	2 36	2 2	16 14		n.a.
F 25	11 19	4 26	0 32	4 3	3 38	14 46	1 25	14 37	1 5	23 32	0 20	20 19	0 57	24 4	0 20	10 46	1 30	30 7	6 59	2 37	2 3	16 13		n.a.
S 26	10 58	0s10	0n48	4 12	3 39	14 21	1 25	14 49	1 5	23 32	0 20	20 20	0 57	24 4	0 20	10 45	1 30	30 7	7 0	2 37	2 4	16 12		n.a.
S 27	10 36	4 37	2 3	4 26	3 38	13 55	1 25	15 1	1 5	23 32	0 20	20 20	0 57	24 4	0 20	10 45	1 30	30 7	7 0	2 36	2 5	16 11		n.a.
M28	10s15	8s41	3n 8	4s42	3n35	13s29	1s25	15n14	1n 6	23n32	0n20	20n21	0s57	24s 4	0s20	10s44	1s30	30s 7	7s 0	2n36	2n 7	16s10		n.a.

Julian Day Number = 1560013.5, Delta T = 04h24m51s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'32, Lahiri = -10°03'31 Julian Calendar 1 Feb. 442 BCE == Greg. Calendar 27 Jan. 442 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

MARCH 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 11 0	4♓46'09	13♏13	9°R 1	29♒43	8♉ 6	18♊ 6	4♊20	29♐59	6♓17	12♑29	23♍34	24♍42	0♒54	n.a.	T 1
W 2	10 14 56	5°45'09	26° 2	8♓17	0♓57	8°42	18° 8	4°23	0♑ 1	6°20	12°30	23°34	24°39	1° 1	n.a.	W 2
T 3	10 18 53	6°44'08	8♐31	7°30	2°11	9°17	18°10	4°25	0° 3	6°22	12°32	23°R35	24°36	1° 8	n.a.	T 3
F 4	10 22 49	7°43'05	20°44	6°41	3°26	9°53	18°13	4°27	0° 5	6°24	12°33	23°34	24°32	1°14	n.a.	F 4
S 5	10 26 46	8°42'00	2♑45	5°53	4°40	10°29	18°16	4°30	0° 7	6°26	12°34	23°33	24°29	1°21	n.a.	S 5
S 6	10 30 43	9°40'53	14°38	5° 5	5°54	11° 5	18°19	4°33	0° 9	6°29	12°35	23°31	24°26	1°28	n.a.	S 6
M 7	10 34 39	10°39'44	26°28	4°19	7° 8	11°41	18°22	4°35	0°10	6°31	12°36	23°29	24°23	1°35	n.a.	M 7
T 8	10 38 36	11°38'33	8♒19	3°35	8°23	12°17	18°25	4°38	0°12	6°33	12°37	23°28	24°20	1°41	n.a.	T 8
W 9	10 42 32	12°37'20	20°12	2°54	9°37	12°52	18°29	4°41	0°14	6°35	12°38	23°26	24°17	1°48	n.a.	W 9
T 10	10 46 29	13°36'05	2♓10	2°17	10°51	13°28	18°32	4°44	0°15	6°38	12°40	23°25	24°13	1°55	n.a.	T 10
F 11	10 50 25	14°34'49	14°17	1°44	12° 5	14° 4	18°36	4°47	0°17	6°40	12°41	23°24	24°10	2° 1	n.a.	F 11
S 12	10 54 22	15°33'30	26°32	1°16	13°20	14°40	18°40	4°51	0°18	6°42	12°42	23°D24	24° 7	2° 8	n.a.	S 12
S 13	10 58 18	16°32'09	8♈59	0°52	14°34	15°16	18°44	4°54	0°20	6°44	12°43	23°24	24° 4	2°15	n.a.	S 13
M14	11 2 15	17°30'45	21°37	0°33	15°48	15°52	18°49	4°58	0°21	6°47	12°44	23°25	24° 1	2°21	n.a.	M14
T 15	11 6 11	18°29'20	4♉29	0°20	17° 2	16°28	18°53	5° 1	0°22	6°49	12°44	23°25	23°58	2°28	n.a.	T 15
W16	11 10 8	19°27'52	17°36	0°11	18°16	17° 4	18°58	5° 5	0°24	6°51	12°45	23°26	23°54	2°35	n.a.	W16
T 17	11 14 5	20°26'23	0♊58	0°D 8	19°30	17°40	19° 3	5° 8	0°25	6°53	12°46	23°26	23°51	2°41	n.a.	T 17
F 18	11 18 1	21°24'50	14°38	0°10	20°44	18°17	19° 8	5°12	0°26	6°56	12°47	23°26	23°48	2°48	n.a.	F 18
S 19	11 21 58	22°23'16	28°34	0°18	21°58	18°53	19°13	5°16	0°27	6°58	12°48	23°R26	23°45	2°55	n.a.	S 19
S 20	11 25 54	23°21'40	12♋47	0°30	23°12	19°29	19°18	5°20	0°28	7° 0	12°49	23°D26	23°42	3° 2	n.a.	S 20
M21	11 29 51	24°20'01	27°15	0°46	24°26	20° 5	19°24	5°24	0°29	7° 2	12°50	23°26	23°38	3° 8	n.a.	M21
T 22	11 33 47	25°18'20	11♌53	1° 8	25°41	20°41	19°29	5°29	0°30	7° 4	12°50	23°26	23°35	3°15	n.a.	T 22
W23	11 37 44	26°16'36	26°36	1°34	26°55	21°17	19°35	5°33	0°31	7° 7	12°51	23°27	23°32	3°22	n.a.	W23
T 24	11 41 40	27°14'51	11♍18	2° 4	28° 9	21°54	19°41	5°37	0°32	7° 9	12°52	23°27	23°29	3°28	n.a.	T 24
F 25	11 45 37	28°13'03	25°53	2°38	29°23	22°30	19°47	5°42	0°33	7°11	12°52	23°R27	23°26	3°35	n.a.	F 25
S 26	11 49 33	29°11'14	10♎15	3°17	0♈36	23° 6	19°53	5°46	0°34	7°13	12°53	23°27	23°23	3°42	n.a.	S 26
S 27	11 53 30	0♈ 9'23	24°17	3°59	1°50	23°42	20° 0	5°51	0°35	7°15	12°54	23°26	23°19	3°48	n.a.	S 27
M28	11 57 27	1° 7'30	7♏57	4°44	3° 4	24°19	20° 6	5°55	0°35	7°17	12°54	23°25	23°16	3°55	n.a.	M28
T 29	12 1 23	2° 5'36	21°14	5°33	4°18	24°55	20°13	6° 0	0°36	7°19	12°55	23°24	23°13	4° 2	n.a.	T 29
W30	12 5 20	3° 3'40	4♐ 7	6°26	5°32	25°31	20°20	6° 5	0°37	7°21	12°56	23°23	23°10	4° 8	n.a.	W30
T 31	12 9 16	4♈ 1'42	16♐41	7♓21	6♈46	26♉ 8	20♊27	6♊10	0♑37	7♓23	12♑56	23♍22	23♍ 7	4♒15	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s53	12s11	4n 1	5s 2	3n31	13s 3	1s25	15n26	1n 6	23n33	0n21	20n21	0s57	24s 4	0s20	10s43	1s30	30s 7	7s 0	2n35	2n 8	16s 9		n.a.
W 2	9 31	14 58	4 40	5 24	3 25	12 36	1 25	15 38	1 6	23 33	0 21	20 22	0 56	24 4	0 20	10 42	1 30	30 7	7 0	2 35	2 9	16 8		n.a.
T 3	9 9	16 59	5 5	5 49	3 17	12 9	1 25	15 50	1 7	23 33	0 21	20 23	0 56	24 4	0 20	10 41	1 30	30 8	7 1	2 35	2 10	16 8		n.a.
F 4	8 47	18 10	5 16	6 15	3 8	11 42	1 25	16 1	1 7	23 34	0 21	20 23	0 56	24 5	0 20	10 40	1 30	30 8	7 1	2 35	2 12	16 7		n.a.
S 5	8 25	18 31	5 12	6 43	2 58	11 14	1 25	16 13	1 7	23 34	0 21	20 24	0 56	24 5	0 20	10 40	1 30	30 8	7 1	2 36	2 13	16 6		n.a.
S 6	8 2	18 3	4 55	7 12	2 46	10 46	1 25	16 25	1 8	23 34	0 21	20 25	0 56	24 5	0 20	10 39	1 30	30 8	7 1	2 36	2 14	16 5		n.a.
M 7	7 40	16 47	4 25	7 41	2 33	10 18	1 24	16 36	1 8	23 35	0 21	20 25	0 55	24 5	0 20	10 38	1 30	30 8	7 2	2 37	2 16	16 4		n.a.
T 8	7 17	14 48	3 45	8 10	2 19	9 50	1 24	16 48	1 8	23 35	0 21	20 26	0 55	24 5	0 20	10 37	1 30	30 8	7 2	2 38	2 17	16 3		n.a.
W 9	6 54	12 12	2 54	8 39	2 4	9 21	1 24	16 59	1 8	23 35	0 21	20 27	0 55	24 5	0 20	10 36	1 30	30 8	7 2	2 38	2 18	16 2		n.a.
T 10	6 32	9 3	1 55	9 6	1 49	8 52	1 23	17 10	1 9	23 36	0 21	20 28	0 55	24 5	0 20	10 35	1 30	30 8	7 2	2 39	2 19	16 1		n.a.
F 11	6 9	5 29	0 50	9 33	1 33	8 23	1 23	17 22	1 9	23 36	0 21	20 28	0 55	24 5	0 20	10 34	1 30	30 8	7 3	2 39	2 21	16 0		n.a.
S 12	5 46	1 40	0s17	9 58	1 17	7 54	1 22	17 33	1 9	23 36	0 21	20 29	0 54	24 5	0 20	10 34	1 30	30 9	7 3	2 39	2 22	15 59		n.a.
S 13	5 23	2n18	1 25	10 21	1 1	7 24	1 21	17 44	1 9	23 37	0 21	20 30	0 54	24 5	0 20	10 33	1 30	30 9	7 3	2 39	2 23	15 58		n.a.
M14	5 0	6 13	2 30	10 43	0 45	6 54	1 20	17 55	1 10	23 37	0 21	20 31	0 54	24 5	0 20	10 32	1 30	30 9	7 3	2 39	2 24	15 57		n.a.
T 15	4 37	9 54	3 29	11 2	0 30	6 24	1 20	18 5	1 10	23 38	0 21	20 32	0 54	24 5	0 20	10 31	1 30	30 9	7 3	2 39	2 26	15 56		n.a.
W16	4 13	13 11	4 18	11 19	0 14	5 54	1 19	18 16	1 10	23 38	0 21	20 32	0 54	24 5	0 20	10 30	1 30	30 9	7 4	2 38	2 27	15 55		n.a.
T 17	3 50	15 50	4 54	11 34	0s 0	5 24	1 18	18 27	1 10	23 39	0 21	20 33	0 54	24 5	0 20	10 30	1 30	30 9	7 4	2 38	2 28	15 54		n.a.
F 18	3 27	17 39	5 14	11 47	0 15	4 53	1 17	18 37	1 11	23 39	0 21	20 34	0 53	24 5	0 20	10 29	1 31	30 9	7 4	2 38	2 30	15 53		n.a.
S 19	3 3	18 28	5 16	11 58	0 29	4 23	1 16	18 48	1 11	23 40	0 22	20 35	0 53	24 5	0 20	10 28	1 31	30 10	7 4	2 38	2 31	15 52		n.a.
S 20	2 40	18 9	5 0	12 6	0 42	3 52	1 15	18 58	1 11	23 40	0 22	20 36	0 53	24 5	0 20	10 27	1 31	30 10	7 5	2 38	2 32	15 51		n.a.
M21	2 17	16 40	4 24	12 12	0 55	3 21	1 14	19 8	1 11	23 41	0 22	20 37	0 53	24 5	0 20	10 26	1 31	30 10	7 5	2 38	2 33	15 50		n.a.
T 22	1 53	14 4	3 31	12 15	1 7	2 51	1 12	19 18	1 11	23 41	0 22	20 38	0 53	24 5	0 20	10 25	1 31	30 10	7 5	2 38	2 35	15 49		n.a.
W23	1 30	10 34	2 24	12 17	1 19	2 20	1 11	19 28	1 12	23 42	0 22	20 39	0 52	24 5	0 20	10 25	1 31	30 10	7 5	2 38	2 36	15 48		n.a.
T 24	1 6	6 23	1 7	12 16	1 29	1 49	1 10	19 38	1 12	23 42	0 22	20 40	0 52	24 5	0 20	10 24	1 31	30 10	7 6	2 38	2 37	15 47		n.a.
F 25	0 43	1 52	0n14	12 12	1 39	1 18	1 8	19 47	1 12	23 43	0 22	20 41	0 52	24 5	0 20	10 23	1 31	30 11	7 6	2 38	2 38	15 46		n.a.
S 26	0 20	2s42	1 32	12 7	1 49	0 47	1 7	19 57	1 12	23 43	0 22	20 42	0 52	24 5	0 20	10 22	1 31	30 11	7 6	2 38	2 40	15 45		n.a.
S 27	0n 4	7 1	2 43	12 0	1 57	0 15	1 5	20 6	1 12	23 44	0 22	20 43	0 52	24 5	0 20	10 22	1 31	30 11	7 6	2 38	2 41	15 44		n.a.
M28	0 27	10 50	3 43	11 50	2 5	0n16	1 4	20 16	1 12	23 44	0 22	20 44	0 52	24 5	0 20	10 21	1 31	30 11	7 7	2 39	2 42	15 43		n.a.
T 29	0 51	13 59	4 28	11 39	2 13	0 47	1 2	20 25	1 13	23 45	0 22	20 45	0 51	24 5	0 20	10 20	1 31	30 11	7 7	2 39	2 44	15 42		n.a.
W30	1 14	16 20	4 59	11 25	2 19	1 18	1 1	20 34	1 13	23 45	0 22	20 46	0 51	24 5	0 20	10 19	1 31	30 12	7 7	2 39	2 45	15 41		n.a.
T 31	1n37	17s51	5n15	11s10	2s25	1n49	0s59	20n43	1n13	23n46	0n22	20n47	0s51	24s 5	0s20	10s18	1s31	30s12	7s 8	2n40	2n46	15s40		n.a.

Julian Day Number = 1560041.5, Delta T = 04h24m50s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'28, Lahiri = -10°03'27 Julian Calendar 1 March 442 BCE == Greg. Calendar 24 Feb. 442 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

APRIL 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 13 13	4♈59'43	28♐56	8♓20	8♈ 0	26♉44	20♊34	6♊15	0♏38	7♓26	12♏57	23°R22	23♍ 3	4♒22	n.a.	F 1
S 2	12 17 9	5°57'43	10♏59	9°22	9°14	27°20	20°41	6°20	0°38	7°28	12°57	23°D22	23° 0	4°29	n.a.	S 2
S 3	12 21 6	6°55'41	22°54	10°26	10°28	27°57	20°48	6°25	0°39	7°30	12°57	23♍22	22°57	4°35	n.a.	S 3
M 4	12 25 2	7°53'37	4♒44	11°33	11°42	28°33	20°56	6°30	0°39	7°32	12°58	23°23	22°54	4°42	n.a.	M 4
T 5	12 28 59	8°51'33	16°35	12°43	12°56	29° 9	21° 3	6°36	0°39	7°34	12°58	23°25	22°51	4°49	n.a.	T 5
W 6	12 32 56	9°49'26	28°32	13°56	14° 9	29°46	21°11	6°41	0°40	7°36	12°59	23°26	22°48	4°55	n.a.	W 6
T 7	12 36 52	10°47'19	10♓36	15°11	15°23	0♊22	21°19	6°47	0°40	7°38	12°59	23°27	22°44	5° 2	n.a.	T 7
F 8	12 40 49	11°45'09	22°53	16°28	16°37	0°59	21°27	6°52	0°40	7°40	12°59	23°R28	22°41	5° 9	n.a.	F 8
S 9	12 44 45	12°42'58	5♈22	17°48	17°51	1°35	21°35	6°58	0°40	7°42	13° 0	23°27	22°38	5°15	n.a.	S 9
S 10	12 48 42	13°40'46	18° 7	19°10	19° 5	2°12	21°43	7° 3	0°40	7°43	13° 0	23°26	22°35	5°22	n.a.	S 10
M11	12 52 38	14°38'32	1♉ 7	20°34	20°19	2°48	21°52	7° 9	0°R40	7°45	13° 0	23°23	22°32	5°29	n.a.	M11
T 12	12 56 35	15°36'17	14°22	22° 1	21°32	3°25	22° 0	7°15	0°40	7°47	13° 0	23°20	22°29	5°35	n.a.	T 12
W13	13 0 31	16°34'00	27°50	23°30	22°46	4° 1	22° 9	7°21	0°40	7°49	13° 1	23°17	22°25	5°42	n.a.	W13
T 14	13 4 28	17°31'41	11♊32	25° 1	24° 0	4°38	22°17	7°27	0°40	7°51	13° 1	23°14	22°22	5°49	n.a.	T 14
F 15	13 8 25	18°29'21	25°24	26°34	25°14	5°15	22°26	7°33	0°40	7°53	13° 1	23°11	22°19	5°55	n.a.	F 15
S 16	13 12 21	19°26'59	9♋25	28° 9	26°27	5°51	22°35	7°39	0°40	7°55	13° 1	23°10	22°16	6° 2	n.a.	S 16
S 17	13 16 18	20°24'36	23°33	29°47	27°41	6°28	22°44	7°45	0°39	7°56	13° 1	23°D10	22°13	6° 9	n.a.	S 17
M18	13 20 14	21°22'11	7♌47	1♈27	28°55	7° 4	22°53	7°51	0°39	7°58	13° 1	23°10	22° 9	6°16	n.a.	M18
T 19	13 24 11	22°19'44	22° 4	3° 9	0♉ 9	7°41	23° 2	7°57	0°39	8° 0	13° 1	23°12	22° 6	6°22	n.a.	T 19
W20	13 28 7	23°17'15	6♍22	4°53	1°22	8°18	23°12	8° 4	0°38	8° 2	13°R 1	23°13	22° 3	6°29	n.a.	W20
T 21	13 32 4	24°14'45	20°38	6°39	2°36	8°54	23°21	8°10	0°38	8° 3	13° 1	23°R14	22° 0	6°36	n.a.	T 21
F 22	13 36 0	25°12'13	4♎47	8°27	3°49	9°31	23°31	8°16	0°37	8° 5	13° 1	23°13	21°57	6°42	n.a.	F 22
S 23	13 39 57	26° 9'41	18°47	10°18	5° 3	10° 8	23°40	8°23	0°37	8° 7	13° 1	23°11	21°54	6°49	n.a.	S 23
S 24	13 43 53	27° 7'07	2♏33	12°11	6°17	10°44	23°50	8°29	0°36	8° 8	13° 1	23° 8	21°50	6°56	n.a.	S 24
M25	13 47 50	28° 4'31	16° 2	14° 5	7°30	11°21	24° 0	8°36	0°35	8°10	13° 1	23° 3	21°47	7° 2	n.a.	M25
T 26	13 51 47	29° 1'55	29°12	16° 2	8°44	11°58	24°10	8°43	0°35	8°12	13° 1	22°57	21°44	7° 9	n.a.	T 26
W27	13 55 43	29°59'18	12♐ 4	18° 1	9°58	12°34	24°20	8°49	0°34	8°13	13° 0	22°51	21°41	7°16	n.a.	W27
T 28	13 59 40	0♉56'40	24°36	20° 2	11°11	13°11	24°30	8°56	0°33	8°15	13° 0	22°46	21°38	7°22	n.a.	T 28
F 29	14 3 36	1°54'02	6♏53	22° 5	12°25	13°48	24°40	9° 3	0°32	8°16	13° 0	22°42	21°35	7°29	n.a.	F 29
S 30	14 7 33	2♉51'22	18♏56	24♈ 9	13♉38	14♊25	24♊51	9♊ 9	0♏31	8♓18	13♏ 0	22♍39	21♍31	7♒36	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n 1	18s29	5n15	10s52	2s30	2n20	0s57	20n52	1n13	23n46	0n22	20n48	0s51	24s 5	0s20	10s18	1s31	30s12	7s 8	2n40	2n47	15s39		n.a.
S 2	2 24	18 16	5 2	10 33	2 35	2 51	0 56	21 0	1 13	23 47	0 22	20 49	0 51	24 5	0 20	10 17	1 31	30 12	7 8	2 40	2 49	15 38		n.a.
S 3	2 47	17 14	4 36	10 12	2 39	3 22	0 54	21 9	1 13	23 48	0 22	20 50	0 51	24 5	0 20	10 16	1 31	30 12	7 8	2 40	2 50	15 37		n.a.
M 4	3 10	15 28	3 58	9 49	2 42	3 53	0 52	21 17	1 14	23 48	0 22	20 51	0 50	24 5	0 21	10 15	1 31	30 13	7 9	2 39	2 51	15 36		n.a.
T 5	3 33	13 3	3 10	9 24	2 45	4 24	0 50	21 25	1 14	23 49	0 22	20 52	0 50	24 5	0 21	10 15	1 31	30 13	7 9	2 39	2 52	15 35		n.a.
W 6	3 56	10 3	2 14	8 57	2 47	4 55	0 48	21 34	1 14	23 49	0 22	20 53	0 50	24 5	0 21	10 14	1 31	30 13	7 9	2 38	2 54	15 34		n.a.
T 7	4 19	6 36	1 10	8 29	2 48	5 26	0 46	21 42	1 14	23 50	0 23	20 54	0 50	24 5	0 21	10 13	1 31	30 13	7 9	2 38	2 55	15 33		n.a.
F 8	4 42	2 49	0 3	7 59	2 49	5 56	0 44	21 49	1 14	23 51	0 23	20 55	0 50	24 5	0 21	10 13	1 31	30 14	7 10	2 38	2 56	15 32		n.a.
S 9	5 5	1n10	1s 5	7 28	2 49	6 26	0 42	21 57	1 14	23 51	0 23	20 56	0 50	24 5	0 21	10 12	1 31	30 14	7 10	2 38	2 58	15 31		n.a.
S 10	5 28	5 10	2 12	6 55	2 48	6 57	0 40	22 5	1 14	23 52	0 23	20 57	0 49	24 5	0 21	10 11	1 31	30 14	7 10	2 38	2 59	15 30		n.a.
M11	5 51	9 0	3 13	6 20	2 47	7 27	0 38	22 12	1 14	23 52	0 23	20 58	0 49	24 5	0 21	10 11	1 31	30 14	7 10	2 39	3 0	15 29		n.a.
T 12	6 13	12 28	4 5	5 44	2 45	7 57	0 36	22 19	1 14	23 53	0 23	21 0	0 49	24 5	0 21	10 10	1 31	30 15	7 11	2 41	3 1	15 28		n.a.
W13	6 36	15 19	4 44	5 6	2 43	8 27	0 34	22 27	1 15	23 53	0 23	21 1	0 49	24 5	0 21	10 9	1 31	30 15	7 11	2 42	3 3	15 27		n.a.
T 14	6 58	17 22	5 8	4 27	2 40	8 56	0 32	22 34	1 15	23 54	0 23	21 2	0 49	24 5	0 21	10 8	1 31	30 15	7 11	2 43	3 4	15 26		n.a.
F 15	7 20	18 26	5 14	3 46	2 36	9 26	0 29	22 40	1 15	23 55	0 23	21 3	0 49	24 5	0 21	10 8	1 31	30 15	7 11	2 44	3 5	15 25		n.a.
S 16	7 42	18 24	5 2	3 4	2 32	9 55	0 27	22 47	1 15	23 55	0 23	21 4	0 48	24 5	0 21	10 7	1 31	30 16	7 12	2 45	3 6	15 24		n.a.
S 17	8 4	17 13	4 31	2 20	2 27	10 24	0 25	22 54	1 15	23 56	0 23	21 5	0 48	24 6	0 21	10 7	1 31	30 16	7 12	2 45	3 8	15 23		n.a.
M18	8 26	14 57	3 44	1 35	2 22	10 53	0 23	23 0	1 15	23 56	0 23	21 6	0 48	24 6	0 21	10 6	1 31	30 16	7 12	2 45	3 9	15 22		n.a.
T 19	8 48	11 46	2 43	0 49	2 16	11 21	0 20	23 6	1 15	23 57	0 23	21 8	0 48	24 6	0 21	10 5	1 32	30 16	7 13	2 44	3 10	15 21		n.a.
W20	9 10	7 53	1 31	0 1	2 10	11 49	0 18	23 12	1 15	23 57	0 23	21 9	0 48	24 6	0 21	10 5	1 32	30 17	7 13	2 44	3 12	15 20		n.a.
T 21	9 31	3 33	0 14	0n48	2 3	12 17	0 16	23 18	1 15	23 58	0 23	21 10	0 48	24 6	0 21	10 4	1 32	30 17	7 13	2 43	3 13	15 19		n.a.
F 22	9 52	0s58	1n 3	1 37	1 56	12 45	0 13	23 24	1 15	23 58	0 23	21 11	0 48	24 6	0 21	10 3	1 32	30 17	7 13	2 43	3 14	15 18		n.a.
S 23	10 14	5 22	2 15	2 29	1 48	13 12	0 11	23 30	1 15	23 59	0 23	21 12	0 47	24 6	0 21	10 3	1 32	30 17	7 14	2 44	3 15	15 17		n.a.
S 24	10 35	9 25	3 18	3 21	1 40	13 39	0 8	23 35	1 15	23 59	0 23	21 13	0 47	24 6	0 21	10 2	1 32	30 18	7 14	2 46	3 17	15 16		n.a.
M25	10 55	12 53	4 9	4 14	1 31	14 6	0 6	23 41	1 16	24 0	0 23	21 15	0 47	24 6	0 21	10 2	1 32	30 18	7 14	2 48	3 18	15 14		n.a.
T 26	11 16	15 36	4 45	5 8	1 22	14 32	0 4	23 46	1 16	24 0	0 24	21 16	0 47	24 6	0 21	10 1	1 32	30 18	7 14	2 50	3 19	15 13		n.a.
W27	11 37	17 29	5 5	6 2	1 12	14 58	0 1	23 51	1 16	24 1	0 24	21 17	0 47	24 6	0 21	10 1	1 32	30 18	7 15	2 52	3 20	15 12		n.a.
T 28	11 57	18 28	5 11	6 58	1 3	15 24	0n 1	23 55	1 16	24 1	0 24	21 18	0 47	24 6	0 21	10 0	1 32	30 19	7 15	2 54	3 22	15 11		n.a.
F 29	12 17	18 33	5 1	7 54	0 53	15 49	0 4	24 0	1 16	24 2	0 24	21 19	0 47	24 6	0 21	10 0	1 32	30 19	7 15	2 56	3 23	15 10		n.a.
S 30	12n37	17s47	4n39	8n50	0s42	16n14	0n 6	24n 5	1n16	24n 2	0n24	21n21	0s46	24s 6	0s21	9s59	1s32	30s19	7s15	2n57	3n24	15s 9		n.a.

Julian Day Number = 1560072.5, Delta T = 04h24m48s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'24, Lahiri = -10°03'23 Julian Calendar 1 Apr. 442 BCE == Greg. Calendar 27 March 442 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

MAY 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 11 29	3♉48'42	0♒51	26♈15	14♉52	15♊ 2	25♊ 1	9♊16	0°R30	8♓19	13°R 0	22°D38	21♍28	7♒42	n.a.	S 1
M 2	14 15 26	4°46'01	12°42	28°23	16° 5	15°38	25°12	9°23	0♋29	8°21	12♋59	22♍38	21°25	7°49	n.a.	M 2
T 3	14 19 22	5°43'19	24°34	0♉31	17°19	16°15	25°22	9°30	0°28	8°22	12°59	22°39	21°22	7°56	n.a.	T 3
W 4	14 23 19	6°40'37	6♓32	2°41	18°32	16°52	25°33	9°37	0°27	8°23	12°59	22°41	21°19	8° 2	n.a.	W 4
T 5	14 27 16	7°37'54	18°41	4°52	19°46	17°29	25°44	9°44	0°26	8°25	12°58	22°R42	21°15	8° 9	n.a.	T 5
F 6	14 31 12	8°35'11	1♈ 5	7° 3	20°59	18° 6	25°54	9°51	0°25	8°26	12°58	22°41	21°12	8°16	n.a.	F 6
S 7	14 35 9	9°32'27	13°46	9°15	22°13	18°43	26° 5	9°58	0°24	8°28	12°57	22°39	21° 9	8°23	n.a.	S 7
S 8	14 39 5	10°29'42	26°48	11°27	23°27	19°19	26°16	10° 5	0°23	8°29	12°57	22°35	21° 6	8°29	n.a.	S 8
M 9	14 43 2	11°26'57	10♉ 9	13°38	24°40	19°56	26°27	10°13	0°21	8°30	12°56	22°29	21° 3	8°36	n.a.	M 9
T 10	14 46 58	12°24'11	23°49	15°50	25°53	20°33	26°38	10°20	0°20	8°31	12°56	22°21	21° 0	8°43	n.a.	T 10
W11	14 50 55	13°21'24	7♊44	18° 0	27° 7	21°10	26°50	10°27	0°19	8°33	12°55	22°13	20°56	8°49	n.a.	W11
T 12	14 54 51	14°18'36	21°51	20° 9	28°20	21°47	27° 1	10°34	0°17	8°34	12°55	22° 5	20°53	8°56	n.a.	T 12
F 13	14 58 48	15°15'48	6♋ 5	22°18	29°34	22°24	27°12	10°42	0°16	8°35	12°54	21°59	20°50	9° 3	n.a.	F 13
S 14	15 2 45	16°12'59	20°21	24°24	0♊47	23° 1	27°24	10°49	0°14	8°36	12°54	21°54	20°47	9° 9	n.a.	S 14
S 15	15 6 41	17°10'10	4♌36	26°30	2° 1	23°38	27°35	10°57	0°13	8°37	12°53	21°52	20°44	9°16	n.a.	S 15
M16	15 10 38	18° 7'19	18°47	28°33	3°14	24°15	27°47	11° 4	0°11	8°38	12°52	21°D51	20°40	9°23	n.a.	M16
T 17	15 14 34	19° 4'27	2♍53	0♊35	4°28	24°52	27°58	11°11	0°10	8°39	12°52	21°51	20°37	9°29	n.a.	T 17
W18	15 18 31	20° 1'35	16°52	2°35	5°41	25°29	28°10	11°19	0° 8	8°40	12°51	21°R52	20°34	9°36	n.a.	W18
T 19	15 22 27	20°58'42	0♎44	4°32	6°54	26° 6	28°21	11°26	0° 6	8°41	12°50	21°52	20°31	9°43	n.a.	T 19
F 20	15 26 24	21°55'49	14°28	6°28	8° 8	26°43	28°33	11°34	0° 5	8°42	12°50	21°50	20°28	9°49	n.a.	F 20
S 21	15 30 21	22°52'55	28° 3	8°22	9°21	27°21	28°45	11°41	0° 3	8°43	12°49	21°45	20°25	9°56	n.a.	S 21
S 22	15 34 17	23°50'00	11♏26	10°13	10°34	27°58	28°57	11°49	0° 1	8°44	12°48	21°38	20°21	10° 3	n.a.	S 22
M23	15 38 14	24°47'06	24°37	12° 2	11°48	28°35	29° 9	11°57	29♐59	8°45	12°47	21°29	20°18	10° 9	n.a.	M23
T 24	15 42 10	25°44'11	7♐33	13°49	13° 1	29°12	29°21	12° 4	29°57	8°46	12°46	21°19	20°15	10°16	n.a.	T 24
W25	15 46 7	26°41'16	20°14	15°34	14°14	29°49	29°33	12°12	29°56	8°46	12°46	21° 7	20°12	10°23	n.a.	W25
T 26	15 50 3	27°38'21	2♑41	17°16	15°28	0♋26	29°45	12°19	29°54	8°47	12°45	20°57	20° 9	10°29	n.a.	T 26
F 27	15 54 0	28°35'26	14°53	18°57	16°41	1° 3	29°57	12°27	29°52	8°48	12°44	20°48	20° 6	10°36	n.a.	F 27
S 28	15 57 56	29°32'31	26°55	20°35	17°54	1°41	0♋ 9	12°35	29°50	8°49	12°43	20°41	20° 2	10°43	n.a.	S 28
S 29	16 1 53	0♊29'36	8♒48	22°10	19° 7	2°18	0°22	12°43	29°48	8°49	12°42	20°37	19°59	10°49	n.a.	S 29
M30	16 5 50	1°26'42	20°38	23°44	20°21	2°55	0°34	12°50	29°46	8°50	12°41	20°35	19°56	10°56	n.a.	M30
T 31	16 9 46	2♊23'48	2♓29	25♊15	21♊34	3♋32	0♋46	12♊58	29♐44	8♓50	12♋40	20°D34	19♍53	11♒ 3	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	12n57	16s15	4n 5	9n46	0s32	16n38	0n 8	24n 9	1n16	24n 3	0n24	21n22	0s46	24s 6	0s21	9s58	1s32	30s20	7s16	2n58	3n25	15s 8			n.a.
M 2	13 17	14 1	3 20	10 42	0 21	17 2	0 11	24 13	1 16	24 3	0 24	21 23	0 46	24 6	0 21	9 58	1 32	30 20	7 16	2 58	3 27	15 7			n.a.
T 3	13 36	11 12	2 27	11 38	0 11	17 26	0 13	24 17	1 16	24 4	0 24	21 24	0 46	24 6	0 21	9 57	1 32	30 20	7 16	2 57	3 28	15 6			n.a.
W 4	13 55	7 53	1 27	12 34	0n 0	17 49	0 16	24 21	1 16	24 4	0 24	21 25	0 46	24 6	0 21	9 57	1 32	30 20	7 16	2 57	3 29	15 5			n.a.
T 5	14 14	4 12	0 22	13 29	0 11	18 12	0 18	24 24	1 16	24 5	0 24	21 26	0 46	24 6	0 21	9 57	1 32	30 21	7 17	2 56	3 31	15 4			n.a.
F 6	14 33	0 15	0s45	14 23	0 21	18 34	0 21	24 28	1 16	24 5	0 24	21 28	0 46	24 6	0 21	9 56	1 32	30 21	7 17	2 56	3 32	15 3			n.a.
S 7	14 51	3n48	1 51	15 15	0 31	18 56	0 23	24 31	1 16	24 5	0 24	21 29	0 46	24 6	0 21	9 56	1 32	30 21	7 17	2 57	3 33	15 1			n.a.
S 8	15 10	7 46	2 53	16 7	0 41	19 17	0 25	24 34	1 16	24 6	0 24	21 30	0 45	24 6	0 21	9 55	1 32	30 22	7 17	2 59	3 34	15 0			n.a.
M 9	15 28	11 27	3 47	16 57	0 51	19 38	0 28	24 37	1 16	24 6	0 24	21 31	0 45	24 6	0 21	9 55	1 32	30 22	7 18	3 1	3 36	14 59			n.a.
T 10	15 45	14 37	4 30	17 45	1 0	19 58	0 30	24 40	1 16	24 6	0 24	21 32	0 45	24 6	0 21	9 54	1 33	30 22	7 18	3 4	3 37	14 58			n.a.
W11	16 3	17 0	4 57	18 31	1 9	20 18	0 33	24 43	1 16	24 7	0 24	21 33	0 45	24 6	0 21	9 54	1 33	30 22	7 18	3 7	3 38	14 57			n.a.
T 12	16 20	18 24	5 6	19 15	1 17	20 37	0 35	24 45	1 16	24 7	0 24	21 35	0 45	24 6	0 21	9 54	1 33	30 23	7 18	3 11	3 39	14 56			n.a.
F 13	16 37	18 39	4 57	19 56	1 24	20 55	0 37	24 47	1 16	24 7	0 24	21 36	0 45	24 6	0 21	9 53	1 33	30 23	7 19	3 13	3 41	14 55			n.a.
S 14	16 54	17 44	4 30	20 35	1 31	21 13	0 40	24 49	1 16	24 8	0 25	21 37	0 45	24 6	0 21	9 53	1 33	30 23	7 19	3 15	3 42	14 54			n.a.
S 15	17 11	15 42	3 46	21 12	1 38	21 31	0 42	24 51	1 16	24 8	0 25	21 38	0 45	24 6	0 21	9 52	1 33	30 24	7 19	3 16	3 43	14 53			n.a.
M16	17 27	12 44	2 48	21 46	1 43	21 48	0 44	24 53	1 16	24 8	0 25	21 39	0 44	24 6	0 22	9 52	1 33	30 24	7 19	3 16	3 44	14 51			n.a.
T 17	17 43	9 1	1 40	22 18	1 48	22 4	0 46	24 55	1 16	24 9	0 25	21 40	0 44	24 6	0 22	9 52	1 33	30 24	7 20	3 16	3 46	14 50			n.a.
W18	17 58	4 50	0 27	22 47	1 53	22 19	0 48	24 56	1 16	24 9	0 25	21 42	0 44	24 6	0 22	9 51	1 33	30 25	7 20	3 16	3 47	14 49			n.a.
T 19	18 14	0 25	0n47	23 13	1 56	22 34	0 51	24 57	1 16	24 9	0 25	21 43	0 44	24 6	0 22	9 51	1 33	30 25	7 20	3 16	3 48	14 48			n.a.
F 20	18 29	3s58	1 58	23 37	1 59	22 49	0 53	24 58	1 16	24 9	0 25	21 44	0 44	24 6	0 22	9 51	1 33	30 25	7 20	3 17	3 50	14 47			n.a.
S 21	18 44	8 6	3 1	23 59	2 1	23 2	0 55	24 59	1 16	24 9	0 25	21 45	0 44	24 6	0 22	9 50	1 33	30 26	7 21	3 19	3 51	14 46			n.a.
S 22	18 58	11 46	3 52	24 17	2 3	23 16	0 57	25 0	1 16	24 10	0 25	21 46	0 44	24 6	0 22	9 50	1 33	30 26	7 21	3 21	3 52	14 45			n.a.
M23	19 12	14 47	4 31	24 34	2 3	23 28	0 59	25 0	1 16	24 10	0 25	21 47	0 44	24 6	0 22	9 50	1 33	30 26	7 21	3 25	3 53	14 44			n.a.
T 24	19 26	17 0	4 54	24 48	2 4	23 40	1 1	25 0	1 16	24 10	0 25	21 48	0 44	24 6	0 22	9 50	1 33	30 26	7 21	3 29	3 55	14 42			n.a.
W25	19 40	18 21	5 3	24 59	2 3	23 51	1 3	25 0	1 16	24 10	0 25	21 50	0 43	24 6	0 22	9 49	1 33	30 27	7 21	3 34	3 56	14 41			n.a.
T 26	19 53	18 46	4 57	25 9	2 2	24 1	1 5	25 0	1 16	24 10	0 25	21 51	0 43	24 6	0 22	9 49	1 33	30 27	7 22	3 38	3 57	14 40			n.a.
F 27	20 6	18 19	4 37	25 16	2 0	24 11	1 7	25 0	1 16	24 10	0 25	21 52	0 43	24 6	0 22	9 49	1 33	30 27	7 22	3 42	3 58	14 39			n.a.
S 28	20 19	17 2	4 5	25 21	1 57	24 20	1 9	25 0	1 16	24 10	0 25	21 53	0 43	24 7	0 22	9 49	1 34	30 28	7 22	3 44	4 0	14 38			n.a.
S 29	20 31	15 2	3 23	25 24	1 54	24 28	1 10	24 59	1 16	24 10	0 25	21 54	0 43	24 7	0 22	9 49	1 34	30 28	7 22	3 46	4 1	14 37			n.a.
M30	20 43	12 24	2 32	25 26	1 50	24 35	1 12	24 58	1 15	24 10	0 26	21 55	0 43	24 7	0 22	9 48	1 34	30 28	7 22	3 47	4 2	14 36			n.a.
T 31	20n54	9s15	1n35	25n25	1n46	24n42	1n14	24n57	1n15	24n10	0n26	21n56	0s43	24s 7	0s22	9s48	1s34	30s29	7s23	3n47	4n 3	14s34			n.a.

Julian Day Number = 1560102.5, Delta T = 04h24m47s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'20, Lahiri = -10°03'19 Julian Calendar 1 May 442 BCE == Greg. Calendar 26 Apr. 442 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

JUNE 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 13 43	3♊20'53	14♓27	26♊44	22♊47	4♋10	0♋59	13♊ 6	29°R42	8♓51	12°R39	20°R34	19♍50	11♒ 9	n.a.	W 1
T 2	16 17 39	4°18'00	26°36	28°11	24° 0	4°47	1°11	13°13	29♐40	8°52	12♑38	20♍34	19°46	11°16	n.a.	T 2
F 3	16 21 36	5°15'06	9♈ 3	29°35	25°14	5°24	1°24	13°21	29°38	8°52	12°37	20°33	19°43	11°23	n.a.	F 3
S 4	16 25 32	6°12'13	21°51	0♋57	26°27	6° 1	1°36	13°29	29°35	8°53	12°36	20°29	19°40	11°30	n.a.	S 4
S 5	16 29 29	7° 9'21	5♉ 3	2°17	27°40	6°39	1°49	13°37	29°33	8°53	12°35	20°24	19°37	11°36	n.a.	S 5
M 6	16 33 25	8° 6'29	18°40	3°34	28°53	7°16	2° 1	13°45	29°31	8°53	12°34	20°15	19°34	11°43	n.a.	M 6
T 7	16 37 22	9° 3'37	2♊40	4°48	0♋ 6	7°54	2°14	13°52	29°29	8°54	12°33	20° 5	19°31	11°50	n.a.	T 7
W 8	16 41 19	10° 0'46	17° 0	6° 0	1°20	8°31	2°27	14° 0	29°27	8°54	12°32	19°54	19°27	11°56	n.a.	W 8
T 9	16 45 15	10°57'55	1♋33	7°10	2°33	9° 8	2°39	14° 8	29°25	8°54	12°31	19°43	19°24	12° 3	n.a.	T 9
F 10	16 49 12	11°55'04	16°12	8°16	3°46	9°46	2°52	14°16	29°22	8°55	12°30	19°33	19°21	12°10	n.a.	F 10
S 11	16 53 8	12°52'13	0♌49	9°20	4°59	10°23	3° 5	14°24	29°20	8°55	12°28	19°26	19°18	12°16	n.a.	S 11
S 12	16 57 5	13°49'23	15°20	10°21	6°12	11° 1	3°18	14°32	29°18	8°55	12°27	19°22	19°15	12°23	n.a.	S 12
M13	17 1 1	14°46'32	29°39	11°19	7°25	11°38	3°30	14°39	29°15	8°55	12°26	19°20	19°12	12°30	n.a.	M13
T 14	17 4 58	15°43'42	13♍45	12°14	8°38	12°16	3°43	14°47	29°13	8°55	12°25	19°20	19° 8	12°36	n.a.	T 14
W15	17 8 54	16°40'52	27°37	13° 6	9°51	12°53	3°56	14°55	29°11	8°56	12°24	19°20	19° 5	12°43	n.a.	W15
T 16	17 12 51	17°38'02	11♎15	13°54	11° 4	13°31	4° 9	15° 3	29° 8	8°56	12°23	19°19	19° 2	12°50	n.a.	T 16
F 17	17 16 48	18°35'13	24°40	14°39	12°17	14° 8	4°22	15°11	29° 6	8°56	12°21	19°16	18°59	12°56	n.a.	F 17
S 18	17 20 44	19°32'24	7♏53	15°20	13°30	14°46	4°35	15°19	29° 4	8°R56	12°20	19°10	18°56	13° 3	n.a.	S 18
S 19	17 24 41	20°29'35	20°55	15°57	14°43	15°24	4°48	15°26	29° 1	8°56	12°19	19° 1	18°52	13°10	n.a.	S 19
M20	17 28 37	21°26'47	3♐45	16°30	15°56	16° 1	5° 1	15°34	28°59	8°56	12°18	18°50	18°49	13°16	n.a.	M20
T 21	17 32 34	22°24'00	16°24	17° 0	17° 9	16°39	5°14	15°42	28°57	8°56	12°16	18°38	18°46	13°23	n.a.	T 21
W22	17 36 30	23°21'13	28°51	17°25	18°22	17°17	5°27	15°50	28°54	8°55	12°15	18°25	18°43	13°30	n.a.	W22
T 23	17 40 27	24°18'27	11♑ 7	17°45	19°35	17°54	5°40	15°57	28°52	8°55	12°14	18°12	18°40	13°36	n.a.	T 23
F 24	17 44 24	25°15'42	23°12	18° 1	20°48	18°32	5°53	16° 5	28°49	8°55	12°13	18° 1	18°37	13°43	n.a.	F 24
S 25	17 48 20	26°12'58	5♒ 8	18°12	22° 1	19°10	6° 6	16°13	28°47	8°55	12°11	17°52	18°33	13°50	n.a.	S 25
S 26	17 52 17	27°10'15	16°59	18°19	23°14	19°48	6°19	16°21	28°45	8°55	12°10	17°46	18°30	13°56	n.a.	S 26
M27	17 56 13	28° 7'33	28°47	18°R20	24°27	20°25	6°33	16°28	28°42	8°54	12° 9	17°43	18°27	14° 3	n.a.	M27
T 28	18 0 10	29° 4'52	10♓37	18°16	25°40	21° 3	6°46	16°36	28°40	8°54	12° 7	17°42	18°24	14°10	n.a.	T 28
W29	18 4 6	0♋ 2'13	22°33	18° 7	26°52	21°41	6°59	16°44	28°37	8°54	12° 6	17°D42	18°21	14°16	n.a.	W29
T 30	18 8 3	0♋59'34	4♈41	17♋53	28♋ 5	22♋19	7♋12	16♊52	28♐35	8♓53	12♑ 5	17°R42	18♍18	14♒23	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n 6	5s42	0n33	25n23	1n41	24n48	1n16	24n56	1n15	24n10	0n26	21n57	0s43	24s 7	0s22	9s48	1s34	30s29	7s23	3n47	4n 5	14s33		n.a.
T 2	21 17	1 51	0s32	25 19	1 35	24 54	1 17	24 55	1 15	24 10	0 26	21 58	0 43	24 7	0 22	9 48	1 34	30 29	7 23	3 47	4 6	14 32		n.a.
F 3	21 27	2n 9	1 37	25 14	1 29	24 58	1 19	24 53	1 15	24 10	0 26	21 59	0 43	24 7	0 22	9 48	1 34	30 29	7 23	3 48	4 7	14 31		n.a.
S 4	21 37	6 11	2 38	25 7	1 22	25 2	1 20	24 51	1 15	24 10	0 26	22 0	0 42	24 7	0 22	9 48	1 34	30 30	7 23	3 49	4 8	14 30		n.a.
S 5	21 47	10 2	3 33	24 59	1 15	25 5	1 22	24 50	1 15	24 10	0 26	22 2	0 42	24 7	0 22	9 47	1 34	30 30	7 24	3 51	4 10	14 29		n.a.
M 6	21 56	13 29	4 17	24 49	1 7	25 8	1 23	24 47	1 15	24 10	0 26	22 3	0 42	24 7	0 22	9 47	1 34	30 30	7 24	3 55	4 11	14 27		n.a.
T 7	22 5	16 16	4 47	24 38	0 59	25 9	1 24	24 45	1 15	24 10	0 26	22 4	0 42	24 7	0 22	9 47	1 34	30 31	7 24	3 59	4 12	14 26		n.a.
W 8	22 14	18 7	5 1	24 27	0 50	25 10	1 26	24 43	1 15	24 10	0 26	22 5	0 42	24 7	0 22	9 47	1 34	30 31	7 24	4 3	4 14	14 25		n.a.
T 9	22 22	18 50	4 55	24 14	0 41	25 10	1 27	24 40	1 15	24 9	0 26	22 6	0 42	24 7	0 22	9 47	1 34	30 31	7 24	4 7	4 15	14 24		n.a.
F 10	22 30	18 17	4 30	24 0	0 31	25 10	1 28	24 37	1 15	24 9	0 26	22 7	0 42	24 7	0 22	9 47	1 34	30 31	7 25	4 11	4 16	14 23		n.a.
S 11	22 38	16 33	3 47	23 46	0 21	25 8	1 29	24 34	1 15	24 9	0 26	22 8	0 42	24 7	0 22	9 47	1 34	30 32	7 25	4 14	4 17	14 21		n.a.
S 12	22 45	13 45	2 49	23 30	0 10	25 6	1 30	24 31	1 15	24 9	0 26	22 9	0 42	24 7	0 22	9 47	1 34	30 32	7 25	4 16	4 19	14 20		n.a.
M13	22 52	10 9	1 42	23 15	0s 1	25 3	1 31	24 28	1 14	24 8	0 26	22 10	0 42	24 7	0 22	9 47	1 35	30 32	7 25	4 16	4 20	14 19		n.a.
T 14	22 58	6 1	0 29	22 58	0 12	25 0	1 32	24 24	1 14	24 8	0 27	22 11	0 42	24 7	0 22	9 47	1 35	30 33	7 25	4 17	4 21	14 18		n.a.
W15	23 4	1 38	0n44	22 42	0 24	24 55	1 33	24 21	1 14	24 8	0 27	22 12	0 41	24 7	0 22	9 47	1 35	30 33	7 25	4 17	4 22	14 17		n.a.
T 16	23 10	2s46	1 53	22 25	0 36	24 50	1 34	24 17	1 14	24 7	0 27	22 13	0 41	24 7	0 22	9 47	1 35	30 33	7 26	4 17	4 24	14 16		n.a.
F 17	23 15	6 58	2 55	22 7	0 49	24 44	1 35	24 13	1 14	24 7	0 27	22 14	0 41	24 7	0 22	9 47	1 35	30 33	7 26	4 18	4 25	14 14		n.a.
S 18	23 20	10 45	3 47	21 50	1 2	24 38	1 35	24 8	1 14	24 7	0 27	22 14	0 41	24 7	0 22	9 47	1 35	30 34	7 26	4 20	4 26	14 13		n.a.
S 19	23 24	13 57	4 25	21 33	1 15	24 30	1 36	24 4	1 14	24 6	0 27	22 15	0 41	24 7	0 22	9 47	1 35	30 34	7 26	4 24	4 27	14 12		n.a.
M20	23 28	16 25	4 50	21 15	1 28	24 22	1 36	23 59	1 14	24 6	0 27	22 16	0 41	24 7	0 22	9 47	1 35	30 34	7 26	4 28	4 29	14 11		n.a.
T 21	23 31	18 4	5 0	20 58	1 42	24 14	1 37	23 55	1 14	24 6	0 27	22 17	0 41	24 7	0 22	9 47	1 35	30 35	7 26	4 33	4 30	14 9		n.a.
W22	23 35	18 49	4 55	20 41	1 55	24 4	1 37	23 50	1 13	24 5	0 27	22 18	0 41	24 7	0 22	9 47	1 35	30 35	7 26	4 38	4 31	14 8		n.a.
T 23	23 37	18 40	4 37	20 25	2 9	23 54	1 37	23 45	1 13	24 5	0 27	22 19	0 41	24 7	0 22	9 48	1 35	30 35	7 27	4 43	4 32	14 7		n.a.
F 24	23 40	17 41	4 6	20 9	2 23	23 43	1 38	23 39	1 13	24 4	0 27	22 20	0 41	24 7	0 22	9 48	1 35	30 35	7 27	4 48	4 34	14 6		n.a.
S 25	23 41	15 55	3 25	19 54	2 37	23 32	1 38	23 34	1 13	24 4	0 27	22 21	0 41	24 7	0 22	9 48	1 35	30 36	7 27	4 51	4 35	14 5		n.a.
S 26	23 43	13 29	2 35	19 40	2 50	23 19	1 38	23 28	1 13	24 3	0 28	22 22	0 41	24 7	0 22	9 48	1 35	30 36	7 27	4 53	4 36	14 3		n.a.
M27	23 44	10 31	1 39	19 26	3 4	23 7	1 38	23 22	1 13	24 2	0 28	22 23	0 41	24 7	0 22	9 48	1 35	30 36	7 27	4 55	4 37	14 2		n.a.
T 28	23 45	7 6	0 38	19 14	3 17	22 53	1 38	23 16	1 13	24 2	0 28	22 23	0 40	24 7	0 22	9 48	1 35	30 36	7 27	4 55	4 39	14 1		n.a.
W29	23 45	3 23	0s26	19 3	3 29	22 39	1 38	23 10	1 13	24 1	0 28	22 24	0 40	24 7	0 22	9 48	1 35	30 37	7 27	4 55	4 40	14 0		n.a.
T 30	23n45	0n32	1s29	18n53	3s41	22n24	1n37	23n 4	1n12	24n 1	0n28	22n25	0s40	24s 6	0s22	9s49	1s36	30s37	7s27	4n55	4n41	13s59		n.a.

Julian Day Number = 1560133.5, Delta T = 04h24m46s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'15, Lahiri = -10°03'15 Julian Calendar 1 June 442 BCE == Greg. Calendar 27 May 442 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

JULY 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 11 59	1♋56'57	17♈ 7	17°R34	29♋18	22♋57	7♋25	16♊59	28°R33	8°R53	12°R 3	17°R41	18♍14	14♒30	n.a.	F 1
S 2	18 15 56	2°54'21	29°55	17♋10	0♌31	23°35	7°38	17° 7	28♐30	8♓53	12♑ 2	17♍38	18°11	14°36	n.a.	S 2
S 3	18 19 53	3°51'47	13♉ 9	16°41	1°43	24°12	7°52	17°15	28°28	8°52	12° 1	17°33	18° 8	14°43	n.a.	S 3
M 4	18 23 49	4°49'14	26°52	16° 8	2°56	24°50	8° 5	17°22	28°25	8°52	11°59	17°26	18° 5	14°50	n.a.	M 4
T 5	18 27 46	5°46'43	11♊ 2	15°30	4° 9	25°28	8°18	17°30	28°23	8°51	11°58	17°17	18° 2	14°56	n.a.	T 5
W 6	18 31 42	6°44'12	25°36	14°49	5°22	26° 6	8°31	17°37	28°21	8°51	11°57	17° 6	17°58	15° 3	n.a.	W 6
T 7	18 35 39	7°41'43	10♋28	14° 5	6°34	26°44	8°44	17°45	28°18	8°50	11°55	16°56	17°55	15°10	n.a.	T 7
F 8	18 39 35	8°39'16	25°28	13°19	7°47	27°22	8°58	17°52	28°16	8°49	11°54	16°47	17°52	15°16	n.a.	F 8
S 9	18 43 32	9°36'49	10♌28	12°31	9° 0	28° 1	9°11	18° 0	28°14	8°49	11°53	16°41	17°49	15°23	n.a.	S 9
S 10	18 47 28	10°34'23	25°18	11°43	10°12	28°39	9°24	18° 7	28°11	8°48	11°51	16°37	17°46	15°30	n.a.	S 10
M11	18 51 25	11°31'59	9♍53	10°54	11°25	29°17	9°37	18°15	28° 9	8°47	11°50	16°35	17°43	15°36	n.a.	M11
T 12	18 55 22	12°29'35	24° 8	10° 7	12°37	29°55	9°50	18°22	28° 7	8°47	11°49	16°D35	17°39	15°43	n.a.	T 12
W13	18 59 18	13°27'13	8♎ 3	9°22	13°50	0♌33	10° 4	18°29	28° 4	8°46	11°47	16°R36	17°36	15°50	n.a.	W13
T 14	19 3 15	14°24'51	21°38	8°40	15° 2	1°11	10°17	18°37	28° 2	8°45	11°46	16°36	17°33	15°56	n.a.	T 14
F 15	19 7 11	15°22'31	4♏54	8° 1	16°15	1°49	10°30	18°44	28° 0	8°44	11°45	16°34	17°30	16° 3	n.a.	F 15
S 16	19 11 8	16°20'12	17°54	7°27	17°27	2°28	10°43	18°51	27°57	8°43	11°43	16°30	17°27	16°10	n.a.	S 16
S 17	19 15 4	17°17'54	0♐40	6°59	18°40	3° 6	10°56	18°59	27°55	8°43	11°42	16°23	17°23	16°16	n.a.	S 17
M18	19 19 1	18°15'38	13°13	6°37	19°52	3°44	11° 9	19° 6	27°53	8°42	11°40	16°15	17°20	16°23	n.a.	M18
T 19	19 22 57	19°13'23	25°36	6°21	21° 4	4°23	11°23	19°13	27°51	8°41	11°39	16° 5	17°17	16°30	n.a.	T 19
W20	19 26 54	20°11'09	7♑49	6°13	22°17	5° 1	11°36	19°20	27°49	8°40	11°38	15°55	17°14	16°36	n.a.	W20
T 21	19 30 51	21° 8'57	19°54	6°D11	23°29	5°39	11°49	19°27	27°47	8°39	11°36	15°45	17°11	16°43	n.a.	T 21
F 22	19 34 47	22° 6'47	1♒51	6°18	24°41	6°18	12° 2	19°34	27°44	8°38	11°35	15°36	17° 8	16°50	n.a.	F 22
S 23	19 38 44	23° 4'38	13°43	6°32	25°53	6°56	12°15	19°41	27°42	8°37	11°34	15°29	17° 4	16°56	n.a.	S 23
S 24	19 42 40	24° 2'31	25°31	6°54	27° 5	7°35	12°28	19°48	27°40	8°36	11°32	15°25	17° 1	17° 3	n.a.	S 24
M25	19 46 37	25° 0'25	7♓18	7°24	28°18	8°13	12°41	19°55	27°38	8°35	11°31	15°23	16°58	17°10	n.a.	M25
T 26	19 50 33	25°58'22	19° 8	8° 2	29°30	8°52	12°54	20° 2	27°36	8°33	11°30	15°D22	16°55	17°16	n.a.	T 26
W27	19 54 30	26°56'20	1♈ 5	8°47	0♍42	9°30	13° 7	20° 9	27°34	8°32	11°28	15°23	16°52	17°23	n.a.	W27
T 28	19 58 26	27°54'20	13°13	9°40	1°54	10° 9	13°20	20°15	27°32	8°31	11°27	15°25	16°49	17°30	n.a.	T 28
F 29	20 2 23	28°52'23	25°37	10°40	3° 6	10°47	13°33	20°22	27°30	8°30	11°26	15°R25	16°45	17°36	n.a.	F 29
S 30	20 6 20	29°50'27	8♉22	11°46	4°18	11°26	13°46	20°29	27°28	8°29	11°25	15°25	16°42	17°43	n.a.	S 30
S 31	20 10 16	0♌48'34	21♉32	12♋59	5♍30	12♌ 4	13♋59	20♊36	27♐26	8♓28	11♑23	15♍23	16♍39	17♒50	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n44	4n30	2s30	18n44	3s53	22n 8	1n37	22n57	1n12	24n 0	0n28	22n26	0s40	24s 6	0s22	9s49	1s36	30s37	7s28	4n56	4n42	13s57		n.a.
S 2	23 43	8 24	3 24	18 36	4 3	21 52	1 37	22 51	1 12	23 59	0 28	22 27	0 40	24 6	0 22	9 49	1 36	30 37	7 28	4 57	4 44	13 56		n.a.
S 3	23 41	12 1	4 10	18 30	4 13	21 36	1 36	22 44	1 12	23 59	0 28	22 28	0 40	24 6	0 22	9 49	1 36	30 37	7 28	4 59	4 45	13 55		n.a.
M 4	23 39	15 6	4 44	18 26	4 21	21 18	1 36	22 37	1 12	23 58	0 28	22 28	0 40	24 6	0 22	9 50	1 36	30 38	7 28	5 2	4 46	13 54		n.a.
T 5	23 37	17 25	5 1	18 23	4 28	21 0	1 35	22 30	1 12	23 57	0 28	22 29	0 40	24 6	0 22	9 50	1 36	30 38	7 28	5 5	4 48	13 52		n.a.
W 6	23 34	18 41	4 59	18 22	4 34	20 42	1 34	22 22	1 12	23 56	0 28	22 30	0 40	24 6	0 22	9 50	1 36	30 38	7 28	5 9	4 49	13 51		n.a.
T 7	23 31	18 43	4 38	18 23	4 38	20 23	1 34	22 15	1 11	23 56	0 28	22 31	0 40	24 6	0 22	9 50	1 36	30 38	7 28	5 13	4 50	13 50		n.a.
F 8	23 28	17 26	3 57	18 25	4 41	20 3	1 33	22 7	1 11	23 55	0 29	22 31	0 40	24 6	0 22	9 51	1 36	30 39	7 28	5 17	4 51	13 49		n.a.
S 9	23 24	14 57	3 0	18 29	4 42	19 43	1 32	21 59	1 11	23 54	0 29	22 32	0 40	24 6	0 22	9 51	1 36	30 39	7 28	5 19	4 53	13 47		n.a.
S 10	23 19	11 31	1 51	18 34	4 40	19 22	1 31	21 51	1 11	23 53	0 29	22 33	0 40	24 6	0 22	9 51	1 36	30 39	7 28	5 21	4 54	13 46		n.a.
M11	23 14	7 25	0 36	18 41	4 37	19 1	1 30	21 43	1 11	23 52	0 29	22 34	0 40	24 6	0 22	9 52	1 36	30 39	7 28	5 22	4 55	13 45		n.a.
T 12	23 9	2 58	0n40	18 49	4 33	18 39	1 29	21 35	1 11	23 51	0 29	22 34	0 40	24 6	0 22	9 52	1 36	30 39	7 29	5 22	4 56	13 44		n.a.
W13	23 3	1s31	1 52	18 59	4 26	18 17	1 27	21 26	1 10	23 51	0 29	22 35	0 39	24 6	0 22	9 52	1 36	30 40	7 29	5 21	4 58	13 42		n.a.
T 14	22 57	5 49	2 56	19 10	4 18	17 54	1 26	21 18	1 10	23 50	0 29	22 36	0 39	24 6	0 22	9 53	1 36	30 40	7 29	5 21	4 59	13 41		n.a.
F 15	22 51	9 44	3 48	19 23	4 8	17 31	1 25	21 9	1 10	23 49	0 29	22 36	0 39	24 6	0 22	9 53	1 36	30 40	7 29	5 22	5 0	13 40		n.a.
S 16	22 44	13 6	4 28	19 36	3 56	17 7	1 23	21 0	1 10	23 48	0 29	22 37	0 39	24 6	0 22	9 53	1 36	30 40	7 29	5 24	5 1	13 39		n.a.
S 17	22 37	15 46	4 54	19 50	3 44	16 43	1 22	20 51	1 10	23 47	0 29	22 38	0 39	24 6	0 22	9 54	1 36	30 40	7 29	5 26	5 3	13 37		n.a.
M18	22 29	17 39	5 4	20 5	3 30	16 19	1 20	20 41	1 10	23 46	0 30	22 38	0 39	24 6	0 22	9 54	1 37	30 41	7 29	5 30	5 4	13 36		n.a.
T 19	22 21	18 40	5 1	20 21	3 15	15 54	1 18	20 32	1 9	23 45	0 30	22 39	0 39	24 6	0 22	9 54	1 37	30 41	7 29	5 33	5 5	13 35		n.a.
W20	22 12	18 48	4 43	20 37	2 59	15 28	1 17	20 22	1 9	23 44	0 30	22 40	0 39	24 6	0 22	9 55	1 37	30 41	7 29	5 38	5 6	13 33		n.a.
T 21	22 4	18 5	4 13	20 53	2 43	15 2	1 15	20 13	1 9	23 43	0 30	22 40	0 39	24 6	0 22	9 55	1 37	30 41	7 29	5 41	5 8	13 32		n.a.
F 22	21 54	16 33	3 32	21 10	2 26	14 36	1 13	20 3	1 9	23 41	0 30	22 41	0 39	24 6	0 22	9 56	1 37	30 41	7 29	5 45	5 9	13 31		n.a.
S 23	21 45	14 20	2 42	21 26	2 9	14 10	1 11	19 53	1 9	23 40	0 30	22 42	0 39	24 6	0 22	9 56	1 37	30 41	7 29	5 47	5 10	13 30		n.a.
S 24	21 35	11 32	1 45	21 42	1 52	13 43	1 9	19 43	1 8	23 39	0 30	22 42	0 39	24 6	0 22	9 57	1 37	30 41	7 29	5 49	5 11	13 28		n.a.
M25	21 24	8 16	0 43	21 58	1 35	13 16	1 7	19 32	1 8	23 38	0 30	22 43	0 39	24 6	0 22	9 57	1 37	30 42	7 29	5 50	5 13	13 27		n.a.
T 26	21 13	4 40	0s20	22 12	1 18	12 48	1 5	19 22	1 8	23 37	0 30	22 43	0 39	24 6	0 22	9 58	1 37	30 42	7 29	5 50	5 14	13 26		n.a.
W27	21 2	0 51	1 24	22 26	1 1	12 20	1 2	19 11	1 8	23 36	0 30	22 44	0 39	24 6	0 22	9 58	1 37	30 42	7 29	5 50	5 15	13 24		n.a.
T 28	20 51	3n 4	2 25	22 39	0 45	11 52	1 0	19 1	1 8	23 35	0 31	22 44	0 39	24 6	0 22	9 59	1 37	30 42	7 29	5 49	5 16	13 23		n.a.
F 29	20 39	6 55	3 20	22 50	0 29	11 23	0 58	18 50	1 7	23 33	0 31	22 45	0 39	24 6	0 22	9 59	1 37	30 42	7 29	5 49	5 18	13 22		n.a.
S 30	20 27	10 34	4 8	22 59	0 14	10 55	0 55	18 39	1 7	23 32	0 31	22 45	0 39	24 6	0 22	10 0	1 37	30 42	7 29	5 49	5 19	13 21		n.a.
S 31	20n14	13n49	4s44	23n 7	0n 1	10n26	0n53	18n28	1n 7	23n31	0n31	22n46	0s39	24s 6	0s22	10s 0	1s37	30s42	7s29	5n50	5n20	13s19		n.a.

Julian Day Number = 1560163.5, Delta T = 04h24m45s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'11, Lahiri = -10°03'11 Julian Calendar 1 July 442 BCE == Greg. Calendar 26 June 442 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

AUGUST 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 14 13	1♌46'42	5♊10	14♋18	6♍42	12♌43	14♋12	20♊42	27°R25	8°R26	11°R22	15°R19	16♍36	17♒56	n.a.	M 1
T 2	20 18 9	2°44'53	19°18	15°43	7°53	13°22	14°25	20°49	27♐23	8♓25	11♑21	15♍14	16°33	18° 3	n.a.	T 2
W 3	20 22 6	3°43'06	3♋52	17°12	9° 5	14° 1	14°38	20°55	27°21	8°24	11°20	15° 8	16°29	18°10	n.a.	W 3
T 4	20 26 2	4°41'21	18°48	18°46	10°17	14°39	14°50	21° 2	27°19	8°22	11°18	15° 2	16°26	18°16	n.a.	T 4
F 5	20 29 59	5°39'38	3♌58	20°25	11°29	15°18	15° 3	21° 8	27°17	8°21	11°17	14°56	16°23	18°23	n.a.	F 5
S 6	20 33 55	6°37'56	19°11	22° 6	12°41	15°57	15°16	21°14	27°16	8°20	11°16	14°53	16°20	18°30	n.a.	S 6
S 7	20 37 52	7°36'17	4♍17	23°51	13°52	16°36	15°29	21°20	27°14	8°18	11°15	14°51	16°17	18°36	n.a.	S 7
M 8	20 41 49	8°34'39	19° 9	25°38	15° 4	17°15	15°41	21°27	27°12	8°17	11°14	14°D50	16°14	18°43	n.a.	M 8
T 9	20 45 45	9°33'03	3♎39	27°27	16°15	17°54	15°54	21°33	27°11	8°16	11°12	14°51	16°10	18°50	n.a.	T 9
W10	20 49 42	10°31'29	17°45	29°18	17°27	18°33	16° 6	21°39	27° 9	8°14	11°11	14°53	16° 7	18°56	n.a.	W10
T 11	20 53 38	11°29'56	1♏26	1♌ 9	18°38	19°12	16°19	21°45	27° 8	8°13	11°10	14°54	16° 4	19° 3	n.a.	T 11
F 12	20 57 35	12°28'25	14°43	3° 2	19°50	19°51	16°31	21°51	27° 6	8°11	11° 9	14°R54	16° 1	19°10	n.a.	F 12
S 13	21 1 31	13°26'56	27°39	4°56	21° 1	20°30	16°44	21°57	27° 5	8°10	11° 8	14°53	15°58	19°16	n.a.	S 13
S 14	21 5 28	14°25'28	10♐17	6°49	22°13	21° 9	16°56	22° 2	27° 4	8° 8	11° 7	14°51	15°55	19°23	n.a.	S 14
M15	21 9 24	15°24'03	22°40	8°43	23°24	21°48	17° 9	22° 8	27° 2	8° 7	11° 6	14°47	15°51	19°30	n.a.	M15
T 16	21 13 21	16°22'39	4♑52	10°36	24°35	22°27	17°21	22°14	27° 1	8° 5	11° 5	14°43	15°48	19°36	n.a.	T 16
W17	21 17 17	17°21'17	16°54	12°30	25°46	23° 6	17°33	22°19	27° 0	8° 4	11° 4	14°38	15°45	19°43	n.a.	W17
T 18	21 21 14	18°19'57	28°50	14°22	26°57	23°46	17°45	22°25	26°58	8° 2	11° 3	14°33	15°42	19°50	n.a.	T 18
F 19	21 25 11	19°18'39	10♒41	16°14	28° 9	24°25	17°58	22°30	26°57	8° 1	11° 2	14°30	15°39	19°56	n.a.	F 19
S 20	21 29 7	20°17'23	22°30	18° 6	29°20	25° 4	18°10	22°36	26°56	7°59	11° 1	14°27	15°35	20° 3	n.a.	S 20
S 21	21 33 4	21°16'09	4♓18	19°57	0♎30	25°43	18°22	22°41	26°55	7°57	11° 0	14°25	15°32	20°10	n.a.	S 21
M22	21 37 0	22°14'58	16° 9	21°47	1°41	26°23	18°34	22°46	26°54	7°56	10°59	14°D25	15°29	20°16	n.a.	M22
T 23	21 40 57	23°13'48	28° 3	23°36	2°52	27° 2	18°46	22°51	26°53	7°54	10°58	14°25	15°26	20°23	n.a.	T 23
W24	21 44 53	24°12'41	10♈ 5	25°24	4° 3	27°42	18°58	22°56	26°52	7°53	10°57	14°27	15°23	20°30	n.a.	W24
T 25	21 48 50	25°11'36	22°18	27°11	5°14	28°21	19°10	23° 1	26°51	7°51	10°56	14°28	15°20	20°36	n.a.	T 25
F 26	21 52 46	26°10'33	4♉44	28°57	6°24	29° 0	19°21	23° 6	26°50	7°49	10°55	14°30	15°16	20°43	n.a.	F 26
S 27	21 56 43	27° 9'33	17°29	0♍43	7°35	29°40	19°33	23°11	26°49	7°48	10°54	14°31	15°13	20°50	n.a.	S 27
S 28	22 0 40	28° 8'35	0♊35	2°28	8°45	0♍20	19°45	23°16	26°49	7°46	10°53	14°R31	15°10	20°56	n.a.	S 28
M29	22 4 36	29° 7'40	14° 5	4°11	9°56	0°59	19°56	23°21	26°48	7°44	10°52	14°30	15° 7	21° 3	n.a.	M29
T 30	22 8 33	0♍ 6'47	28° 2	5°54	11° 6	1°39	20° 8	23°25	26°47	7°43	10°52	14°29	15° 4	21°10	n.a.	T 30
W31	22 12 29	1♍ 5'57	12♋24	7♍36	12♎17	2♍18	20♋19	23♊30	26♐47	7♓41	10♑51	14♍28	15♍ 1	21♒16	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	20n 1	16n26	5s 5	23n12	0n14	9n56	0n50	18n16	1n 7	23n30	0n31	22n47	0s38	24s 5	0s22	10s 1	1s37	30s42	7s29	5n51	5n21	13s18			n.a.
T 2	19 48	18 10	5 9	23 15	0 27	9 27	0 47	18 5	1 6	23 28	0 31	22 47	0 38	24 5	0 22	10 1	1 37	30 43	7 29	5 53	5 23	13 17			n.a.
W 3	19 34	18 48	4 54	23 16	0 39	8 57	0 45	17 53	1 6	23 27	0 31	22 48	0 38	24 5	0 22	10 2	1 37	30 43	7 29	5 56	5 24	13 15			n.a.
T 4	19 20	18 9	4 18	23 14	0 50	8 27	0 42	17 42	1 6	23 26	0 31	22 48	0 38	24 5	0 22	10 2	1 37	30 43	7 29	5 58	5 25	13 14			n.a.
F 5	19 6	16 12	3 24	23 10	1 0	7 57	0 39	17 30	1 6	23 24	0 32	22 48	0 38	24 5	0 22	10 3	1 37	30 43	7 29	6 0	5 26	13 13			n.a.
S 6	18 51	13 7	2 15	23 2	1 9	7 26	0 36	17 18	1 5	23 23	0 32	22 49	0 38	24 5	0 22	10 3	1 37	30 43	7 29	6 2	5 28	13 11			n.a.
S 7	18 36	9 10	0 57	22 53	1 17	6 56	0 33	17 6	1 5	23 22	0 32	22 49	0 38	24 5	0 22	10 4	1 37	30 43	7 29	6 3	5 29	13 10			n.a.
M 8	18 21	4 42	0n24	22 40	1 24	6 25	0 30	16 54	1 5	23 20	0 32	22 50	0 38	24 5	0 22	10 4	1 37	30 43	7 29	6 3	5 30	13 9			n.a.
T 9	18 5	0 4	1 41	22 25	1 30	5 54	0 27	16 41	1 5	23 19	0 32	22 50	0 38	24 5	0 22	10 5	1 37	30 43	7 29	6 2	5 31	13 7			n.a.
W10	17 49	4s26	2 50	22 7	1 35	5 23	0 24	16 29	1 5	23 18	0 32	22 51	0 38	24 5	0 22	10 5	1 38	30 43	7 29	6 2	5 33	13 6			n.a.
T 11	17 33	8 34	3 48	21 47	1 40	4 52	0 20	16 16	1 4	23 16	0 32	22 51	0 38	24 5	0 22	10 6	1 38	30 43	7 29	6 1	5 34	13 5			n.a.
F 12	17 17	12 9	4 31	21 24	1 43	4 20	0 17	16 4	1 4	23 15	0 32	22 52	0 38	24 5	0 22	10 7	1 38	30 43	7 29	6 1	5 35	13 3			n.a.
S 13	17 0	15 2	4 59	20 59	1 46	3 49	0 14	15 51	1 4	23 13	0 33	22 52	0 38	24 5	0 22	10 7	1 38	30 44	7 29	6 2	5 36	13 2			n.a.
S 14	16 43	17 8	5 12	20 32	1 48	3 17	0 11	15 38	1 4	23 12	0 33	22 52	0 38	24 5	0 22	10 8	1 38	30 44	7 29	6 2	5 38	13 1			n.a.
M15	16 25	18 23	5 10	20 4	1 49	2 46	0 7	15 25	1 3	23 10	0 33	22 53	0 38	24 5	0 22	10 8	1 38	30 44	7 29	6 4	5 39	12 59			n.a.
T 16	16 8	18 45	4 54	19 33	1 49	2 14	0 4	15 12	1 3	23 9	0 33	22 53	0 38	24 5	0 22	10 9	1 38	30 44	7 29	6 6	5 40	12 58			n.a.
W17	15 50	18 17	4 25	19 1	1 49	1 42	0 0	14 59	1 3	23 7	0 33	22 53	0 38	24 5	0 22	10 10	1 38	30 44	7 29	6 8	5 41	12 57			n.a.
T 18	15 32	16 59	3 45	18 27	1 48	1 11	0s 3	14 45	1 2	23 6	0 33	22 54	0 38	24 5	0 22	10 10	1 38	30 44	7 29	6 9	5 43	12 55			n.a.
F 19	15 13	14 58	2 55	17 52	1 47	0 39	0 7	14 32	1 2	23 4	0 33	22 54	0 38	24 5	0 22	10 11	1 38	30 44	7 29	6 11	5 44	12 54			n.a.
S 20	14 55	12 20	1 58	17 15	1 45	0 7	0 10	14 18	1 2	23 3	0 33	22 55	0 38	24 5	0 22	10 11	1 38	30 44	7 28	6 12	5 45	12 53			n.a.
S 21	14 36	9 12	0 55	16 38	1 42	0s25	0 14	14 4	1 2	23 1	0 34	22 55	0 38	24 5	0 22	10 12	1 38	30 44	7 28	6 13	5 46	12 51			n.a.
M22	14 16	5 41	0s10	15 59	1 39	0 57	0 18	13 51	1 1	23 0	0 34	22 55	0 38	24 5	0 22	10 13	1 38	30 44	7 28	6 13	5 48	12 50			n.a.
T 23	13 57	1 55	1 15	15 20	1 36	1 29	0 21	13 37	1 1	22 58	0 34	22 56	0 38	24 5	0 22	10 13	1 38	30 44	7 28	6 12	5 49	12 49			n.a.
W24	13 37	1n57	2 17	14 40	1 32	2 1	0 25	13 23	1 1	22 57	0 34	22 56	0 38	24 5	0 22	10 14	1 38	30 44	7 28	6 12	5 50	12 47			n.a.
T 25	13 17	5 47	3 15	13 59	1 28	2 33	0 29	13 9	1 0	22 55	0 34	22 56	0 38	24 5	0 22	10 15	1 38	30 44	7 28	6 11	5 51	12 46			n.a.
F 26	12 57	9 26	4 4	13 17	1 24	3 4	0 33	12 54	1 0	22 54	0 34	22 56	0 37	24 5	0 22	10 15	1 38	30 44	7 28	6 11	5 53	12 45			n.a.
S 27	12 37	12 45	4 42	12 35	1 19	3 36	0 36	12 40	1 0	22 52	0 35	22 57	0 37	24 5	0 22	10 16	1 38	30 44	7 28	6 10	5 54	12 43			n.a.
S 28	12 16	15 31	5 8	11 53	1 14	4 8	0 40	12 26	1 0	22 51	0 35	22 57	0 37	24 5	0 22	10 17	1 38	30 44	7 28	6 10	5 55	12 42			n.a.
M29	11 55	17 32	5 17	11 10	1 9	4 39	0 44	12 11	0 59	22 49	0 35	22 57	0 37	24 4	0 22	10 17	1 38	30 44	7 28	6 11	5 56	12 40			n.a.
T 30	11 35	18 36	5 8	10 26	1 3	5 11	0 48	11 57	0 59	22 47	0 35	22 58	0 37	24 4	0 22	10 18	1 38	30 44	7 28	6 11	5 58	12 39			n.a.
W31	11n13	18n31	4s40	9n43	0n57	5s42	0s52	11n42	0n59	22n46	0n35	22n58	0s37	24s 4	0s22	10s18	1s38	30s44	7s28	6n12	5n59	12s38			n.a.

Julian Day Number = 1560194.5, Delta T = 04h24m44s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'07, Lahiri = -10°03'07 Julian Calendar 1 Aug. 442 BCE == Greg. Calendar 27 July 442 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

SEPTEMBER 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 16 26	2♍ 5'09	27♋ 9	9♍17	13♎27	2♍58	20♋31	23♊34	26°R46	7°R40	10°R50	14°R26	14♍57	21♒23	n.a.	T 1
F 2	22 20 22	3° 4'23	12♌11	10°57	14°37	3°38	20°42	23°38	26♐45	7♓38	10♑49	14♍25	14°54	21°30	n.a.	F 2
S 3	22 24 19	4° 3'40	27°21	12°37	15°47	4°18	20°53	23°43	26°45	7°36	10°49	14°24	14°51	21°36	n.a.	S 3
S 4	22 28 15	5° 2'58	12♍31	14°15	16°57	4°57	21° 4	23°47	26°45	7°34	10°48	14°D23	14°48	21°43	n.a.	S 4
M 5	22 32 12	6° 2'19	27°31	15°53	18° 7	5°37	21°15	23°51	26°44	7°33	10°47	14°24	14°45	21°49	n.a.	M 5
T 6	22 36 8	7° 1'42	12♎12	17°30	19°17	6°17	21°26	23°55	26°44	7°31	10°47	14°24	14°41	21°56	n.a.	T 6
W 7	22 40 5	8° 1'07	26°30	19° 6	20°27	6°57	21°37	23°59	26°44	7°29	10°46	14°25	14°38	22° 3	n.a.	W 7
T 8	22 44 2	9° 0'34	10♏22	20°42	21°37	7°37	21°48	24° 3	26°43	7°28	10°46	14°25	14°35	22° 9	n.a.	T 8
F 9	22 47 58	10° 0'02	23°46	22°16	22°46	8°17	21°59	24° 6	26°43	7°26	10°45	14°26	14°32	22°16	n.a.	F 9
S 10	22 51 55	10°59'33	6♐46	23°50	23°56	8°57	22°10	24°10	26°43	7°24	10°44	14°R26	14°29	22°23	n.a.	S 10
S 11	22 55 51	11°59'05	19°24	25°23	25° 5	9°37	22°20	24°13	26°43	7°23	10°44	14°26	14°26	22°29	n.a.	S 11
M12	22 59 48	12°58'40	1♑44	26°56	26°15	10°17	22°31	24°17	26°D43	7°21	10°43	14°26	14°22	22°36	n.a.	M12
T 13	23 3 44	13°58'16	13°50	28°28	27°24	10°57	22°41	24°20	26°43	7°19	10°43	14°D26	14°19	22°43	n.a.	T 13
W14	23 7 41	14°57'54	25°47	29°59	28°33	11°37	22°51	24°23	26°43	7°18	10°42	14°26	14°16	22°49	n.a.	W14
T 15	23 11 37	15°57'34	7♒37	1♎29	29°42	12°18	23° 2	24°26	26°43	7°16	10°42	14°26	14°13	22°56	n.a.	T 15
F 16	23 15 34	16°57'16	19°26	2°59	0♏51	12°58	23°12	24°29	26°43	7°14	10°42	14°26	14°10	23° 3	n.a.	F 16
S 17	23 19 31	17°56'59	1♓15	4°28	2° 0	13°38	23°22	24°32	26°43	7°13	10°41	14°26	14° 6	23° 9	n.a.	S 17
S 18	23 23 27	18°56'45	13° 7	5°57	3° 8	14°18	23°32	24°35	26°44	7°11	10°41	14°R26	14° 3	23°16	n.a.	S 18
M19	23 27 24	19°56'33	25° 4	7°24	4°17	14°59	23°42	24°38	26°44	7°10	10°41	14°26	14° 0	23°23	n.a.	M19
T 20	23 31 20	20°56'23	7♈ 9	8°51	5°26	15°39	23°51	24°40	26°44	7° 8	10°40	14°26	13°57	23°29	n.a.	T 20
W21	23 35 17	21°56'15	19°23	10°18	6°34	16°20	24° 1	24°43	26°45	7° 6	10°40	14°25	13°54	23°36	n.a.	W21
T 22	23 39 13	22°56'09	1♉47	11°43	7°42	17° 0	24°10	24°45	26°45	7° 5	10°40	14°24	13°51	23°43	n.a.	T 22
F 23	23 43 10	23°56'06	14°25	13° 8	8°50	17°40	24°20	24°48	26°46	7° 3	10°40	14°23	13°47	23°49	n.a.	F 23
S 24	23 47 6	24°56'05	27°17	14°32	9°58	18°21	24°29	24°50	26°46	7° 2	10°39	14°21	13°44	23°56	n.a.	S 24
S 25	23 51 3	25°56'06	10♊25	15°55	11° 6	19° 2	24°38	24°52	26°47	7° 0	10°39	14°21	13°41	24° 3	n.a.	S 25
M26	23 54 59	26°56'09	23°52	17°17	12°14	19°42	24°47	24°54	26°48	6°58	10°39	14°D20	13°38	24° 9	n.a.	M26
T 27	23 58 56	27°56'15	7♋38	18°38	13°21	20°23	24°56	24°56	26°49	6°57	10°39	14°20	13°35	24°16	n.a.	T 27
W28	0 2 53	28°56'23	21°45	19°59	14°29	21° 4	25° 5	24°57	26°49	6°55	10°39	14°21	13°32	24°23	n.a.	W28
T 29	0 6 49	29°56'33	6♌10	21°18	15°36	21°44	25°14	24°59	26°50	6°54	10°39	14°22	13°28	24°29	n.a.	T 29
F 30	0 10 46	0♎56'46	20♌51	22♎35	16♏43	22♍25	25♋23	25♊ 1	26♐51	6♓52	10°D39	14♍23	13♍25	24♒36	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n52	17n11	3s53	8n59	0n51	6s14	0s56	11n27	0n58	22n44	0n35	22n58	0s37	24s 4	0s22	10s19	1s38	30s44	7s28	6n12	6n 0	12s36		n.a.
F 2	10 30	14 39	2 50	8 15	0 45	6 45	1 0	11 12	0 58	22 43	0 35	22 58	0 37	24 4	0 22	10 20	1 38	30 44	7 27	6 13	6 1	12 35		n.a.
S 3	10 9	11 5	1 33	7 31	0 39	7 16	1 3	10 57	0 58	22 41	0 36	22 59	0 37	24 4	0 22	10 20	1 38	30 44	7 27	6 13	6 2	12 34		n.a.
S 4	9 47	6 47	0 10	6 47	0 33	7 47	1 7	10 42	0 57	22 40	0 36	22 59	0 37	24 4	0 22	10 21	1 38	30 44	7 27	6 13	6 4	12 32		n.a.
M 5	9 25	2 6	1n12	6 2	0 26	8 17	1 11	10 27	0 57	22 38	0 36	22 59	0 37	24 4	0 22	10 22	1 38	30 44	7 27	6 13	6 5	12 31		n.a.
T 6	9 3	2s36	2 29	5 18	0 20	8 48	1 15	10 12	0 57	22 36	0 36	22 59	0 37	24 4	0 22	10 22	1 38	30 44	7 27	6 13	6 6	12 29		n.a.
W 7	8 40	7 2	3 33	4 34	0 13	9 18	1 19	9 57	0 56	22 35	0 36	22 59	0 37	24 4	0 22	10 23	1 38	30 44	7 27	6 13	6 7	12 28		n.a.
T 8	8 18	10 57	4 24	3 50	0 6	9 48	1 23	9 41	0 56	22 33	0 36	23 0	0 37	24 4	0 22	10 24	1 38	30 43	7 27	6 13	6 9	12 27		n.a.
F 9	7 55	14 9	4 58	3 6	0s 1	10 18	1 27	9 26	0 56	22 32	0 37	23 0	0 37	24 4	0 22	10 24	1 38	30 43	7 27	6 12	6 10	12 25		n.a.
S 10	7 32	16 32	5 15	2 22	0 8	10 48	1 31	9 10	0 55	22 30	0 37	23 0	0 37	24 4	0 22	10 25	1 38	30 43	7 27	6 12	6 11	12 24		n.a.
S 11	7 9	18 3	5 17	1 38	0 14	11 18	1 35	8 55	0 55	22 28	0 37	23 0	0 37	24 4	0 22	10 25	1 38	30 43	7 26	6 12	6 12	12 22		n.a.
M12	6 46	18 40	5 4	0 54	0 21	11 47	1 38	8 39	0 55	22 27	0 37	23 0	0 37	24 4	0 22	10 26	1 38	30 43	7 26	6 12	6 14	12 21		n.a.
T 13	6 23	18 25	4 37	0 11	0 28	12 16	1 42	8 23	0 54	22 25	0 37	23 1	0 37	24 4	0 22	10 27	1 38	30 43	7 26	6 12	6 15	12 20		n.a.
W14	6 0	17 21	3 59	0s32	0 35	12 45	1 46	8 7	0 54	22 24	0 37	23 1	0 37	24 4	0 22	10 27	1 38	30 43	7 26	6 12	6 16	12 18		n.a.
T 15	5 36	15 32	3 11	1 15	0 42	13 13	1 50	7 52	0 54	22 22	0 38	23 1	0 37	24 4	0 22	10 28	1 38	30 43	7 26	6 12	6 17	12 17		n.a.
F 16	5 13	13 3	2 15	1 57	0 49	13 41	1 54	7 36	0 53	22 21	0 38	23 1	0 37	24 4	0 22	10 29	1 38	30 43	7 26	6 12	6 19	12 15		n.a.
S 17	4 49	10 2	1 13	2 39	0 56	14 9	1 57	7 20	0 53	22 19	0 38	23 1	0 37	24 4	0 22	10 29	1 38	30 43	7 26	6 12	6 20	12 14		n.a.
S 18	4 26	6 36	0 7	3 21	1 3	14 37	2 1	7 4	0 53	22 18	0 38	23 1	0 37	24 4	0 22	10 30	1 38	30 43	7 26	6 12	6 21	12 13		n.a.
M19	4 2	2 53	0s59	4 3	1 10	15 4	2 5	6 48	0 52	22 16	0 38	23 1	0 37	24 4	0 22	10 30	1 38	30 43	7 26	6 12	6 22	12 11		n.a.
T 20	3 38	1n 0	2 3	4 43	1 16	15 31	2 8	6 31	0 52	22 15	0 38	23 2	0 37	24 4	0 22	10 31	1 38	30 43	7 25	6 12	6 24	12 10		n.a.
W21	3 14	4 52	3 2	5 24	1 23	15 57	2 12	6 15	0 52	22 13	0 39	23 2	0 37	24 4	0 22	10 32	1 38	30 42	7 25	6 13	6 25	12 8		n.a.
T 22	2 50	8 36	3 54	6 4	1 30	16 23	2 16	5 59	0 51	22 11	0 39	23 2	0 37	24 4	0 22	10 32	1 38	30 42	7 25	6 13	6 26	12 7		n.a.
F 23	2 26	11 59	4 35	6 43	1 36	16 49	2 19	5 43	0 51	22 10	0 39	23 2	0 37	24 4	0 22	10 33	1 38	30 42	7 25	6 14	6 27	12 5		n.a.
S 24	2 2	14 53	5 3	7 22	1 42	17 15	2 23	5 26	0 50	22 9	0 39	23 2	0 37	24 4	0 22	10 33	1 38	30 42	7 25	6 14	6 29	12 4		n.a.
S 25	1 38	17 5	5 16	8 0	1 48	17 39	2 26	5 10	0 50	22 7	0 39	23 2	0 37	24 4	0 22	10 34	1 38	30 42	7 25	6 14	6 30	12 3		n.a.
M26	1 14	18 24	5 13	8 38	1 54	18 4	2 29	4 53	0 50	22 6	0 40	23 2	0 37	24 4	0 22	10 35	1 38	30 42	7 25	6 15	6 31	12 1		n.a.
T 27	0 50	18 40	4 51	9 15	2 0	18 28	2 33	4 37	0 49	22 4	0 40	23 2	0 36	24 4	0 22	10 35	1 38	30 42	7 25	6 14	6 32	12 0		n.a.
W28	0 26	17 49	4 12	9 51	2 6	18 52	2 36	4 20	0 49	22 3	0 40	23 2	0 36	24 4	0 22	10 36	1 38	30 42	7 24	6 14	6 33	11 58		n.a.
T 29	0 1	15 48	3 16	10 26	2 11	19 15	2 39	4 3	0 48	22 1	0 40	23 3	0 36	24 4	0 22	10 36	1 38	30 41	7 24	6 14	6 35	11 57		n.a.
F 30	0s23	12n44	2s 7	11s 0	2s16	19s38	2s42	3n47	0n48	22n 0	0n40	23n 3	0s36	24s 4	0s22	10s37	1s38	30s41	7s24	6n13	6n36	11s55		n.a.

Julian Day Number = 1560225.5, Delta T = 04h24m42s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°10'03, Lahiri = -10°03'02 Julian Calendar 1 Sept. 442 BCE == Greg. Calendar 27 Aug. 442 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

OCTOBER 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 14 42	1♎57'00	5♍43	23♎52	17♏50	23♍ 6	25♋31	25♊ 2	26♐52	6°R51	10♉39	14♍24	13♍22	24♒42	n.a.	S 1
S 2	0 18 39	2°57'17	20°38	25° 7	18°57	23°47	25°40	25° 3	26°53	6♓49	10°39	14°R24	13°19	24°49	n.a.	S 2
M 3	0 22 35	3°57'35	5♎30	26°21	20° 3	24°28	25°48	25° 4	26°54	6°48	10°39	14°23	13°16	24°56	n.a.	M 3
T 4	0 26 32	4°57'55	20°11	27°32	21°10	25° 9	25°56	25° 5	26°55	6°46	10°39	14°21	13°12	25° 2	n.a.	T 4
W 5	0 30 28	5°58'18	4♏32	28°42	22°16	25°50	26° 4	25° 6	26°56	6°45	10°39	14°18	13° 9	25° 9	n.a.	W 5
T 6	0 34 25	6°58'41	18°30	29°50	23°22	26°31	26°12	25° 7	26°57	6°44	10°39	14°15	13° 6	25°16	n.a.	T 6
F 7	0 38 21	7°59'07	2♐ 2	0♏55	24°28	27°12	26°19	25° 8	26°59	6°42	10°40	14°12	13° 3	25°22	n.a.	F 7
S 8	0 42 18	8°59'34	15° 8	1°57	25°34	27°53	26°27	25° 9	27° 0	6°41	10°40	14° 9	13° 0	25°29	n.a.	S 8
S 9	0 46 15	10° 0'02	27°50	2°56	26°39	28°34	26°35	25° 9	27° 1	6°40	10°40	14° 7	12°57	25°36	n.a.	S 9
M10	0 50 11	11° 0'32	10♑12	3°52	27°44	29°15	26°42	25°10	27° 3	6°38	10°40	14°D 6	12°53	25°42	n.a.	M10
T 11	0 54 8	12° 1'04	22°18	4°44	28°49	29°56	26°49	25°10	27° 4	6°37	10°41	14° 7	12°50	25°49	n.a.	T 11
W12	0 58 4	13° 1'36	4♒13	5°31	29°54	0♎37	26°56	25°10	27° 6	6°36	10°41	14° 8	12°47	25°56	n.a.	W12
T 13	1 2 1	14° 2'11	16° 2	6°14	0♐59	1°19	27° 3	25°R10	27° 7	6°34	10°41	14°10	12°44	26° 2	n.a.	T 13
F 14	1 5 57	15° 2'46	27°50	6°51	2° 3	2° 0	27°10	25°10	27° 9	6°33	10°42	14°12	12°41	26° 9	n.a.	F 14
S 15	1 9 54	16° 3'23	9♓40	7°22	3° 7	2°41	27°16	25°10	27°10	6°32	10°42	14°R13	12°37	26°16	n.a.	S 15
S 16	1 13 50	17° 4'01	21°37	7°45	4°11	3°23	27°23	25°10	27°12	6°31	10°43	14°13	12°34	26°22	n.a.	S 16
M17	1 17 47	18° 4'41	3♈44	8° 2	5°14	4° 4	27°29	25° 9	27°14	6°30	10°43	14°11	12°31	26°29	n.a.	M17
T 18	1 21 44	19° 5'23	16° 2	8°R10	6°17	4°46	27°35	25° 9	27°16	6°28	10°43	14° 7	12°28	26°36	n.a.	T 18
W19	1 25 40	20° 6'05	28°33	8° 9	7°20	5°27	27°41	25° 8	27°17	6°27	10°44	14° 2	12°25	26°42	n.a.	W19
T 20	1 29 37	21° 6'50	11♉17	7°58	8°22	6° 9	27°47	25° 7	27°19	6°26	10°45	13°56	12°22	26°49	n.a.	T 20
F 21	1 33 33	22° 7'35	24°15	7°36	9°25	6°50	27°53	25° 6	27°21	6°25	10°45	13°49	12°18	26°56	n.a.	F 21
S 22	1 37 30	23° 8'23	7♊25	7° 4	10°27	7°32	27°58	25° 6	27°23	6°24	10°46	13°42	12°15	27° 2	n.a.	S 22
S 23	1 41 26	24° 9'12	20°47	6°22	11°28	8°14	28° 4	25° 4	27°25	6°23	10°46	13°37	12°12	27° 9	n.a.	S 23
M24	1 45 23	25°10'03	4♋21	5°29	12°29	8°55	28° 9	25° 3	27°27	6°22	10°47	13°33	12° 9	27°15	n.a.	M24
T 25	1 49 19	26°10'55	18° 7	4°26	13°30	9°37	28°14	25° 2	27°29	6°21	10°48	13°31	12° 6	27°22	n.a.	T 25
W26	1 53 16	27°11'49	2♌ 5	3°16	14°30	10°19	28°19	25° 1	27°31	6°20	10°48	13°D31	12° 3	27°29	n.a.	W26
T 27	1 57 13	28°12'45	16°13	1°59	15°30	11° 1	28°23	24°59	27°33	6°19	10°49	13°32	11°59	27°35	n.a.	T 27
F 28	2 1 9	29°13'41	0♍31	0°38	16°30	11°43	28°28	24°57	27°36	6°18	10°50	13°33	11°56	27°42	n.a.	F 28
S 29	2 5 6	0♏14'40	14°57	29♎15	17°29	12°25	28°32	24°56	27°38	6°18	10°51	13°R34	11°53	27°49	n.a.	S 29
S 30	2 9 2	1°15'40	29°27	27°54	18°28	13° 7	28°36	24°54	27°40	6°17	10°51	13°32	11°50	27°55	n.a.	S 30
M31	2 12 59	2♏16'41	13♎56	26♎37	19♐26	13♎49	28♋40	24♊52	27♐43	6♓16	10♉52	13♍29	11♍47	28♒ 2	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s47	8n48	0s48	11s33	2s21	20s 0	2s45	3n30	0n48	21n58	0n41	23n 3	0s36	24s 4	0s22	10s37	1s38	30s41	7s24	6n13	6n37	11s54		n.a.
S 2	1 11	4 17	0n34	12 6	2 26	20 22	2 48	3 13	0 47	21 57	0 41	23 3	0 36	24 4	0 22	10 38	1 38	30 41	7 24	6 13	6 38	11 53		n.a.
M 3	1 36	0s28	1 54	12 37	2 30	20 43	2 51	2 57	0 47	21 56	0 41	23 3	0 36	24 4	0 22	10 38	1 38	30 41	7 24	6 13	6 40	11 51		n.a.
T 4	2 0	5 8	3 5	13 7	2 34	21 4	2 54	2 40	0 46	21 54	0 41	23 3	0 36	24 4	0 22	10 39	1 38	30 41	7 24	6 14	6 41	11 50		n.a.
W 5	2 24	9 24	4 3	13 35	2 37	21 25	2 57	2 23	0 46	21 53	0 41	23 3	0 36	24 4	0 22	10 39	1 38	30 41	7 23	6 15	6 42	11 48		n.a.
T 6	2 48	13 0	4 44	14 3	2 40	21 44	2 59	2 6	0 46	21 52	0 42	23 3	0 36	24 4	0 22	10 40	1 38	30 40	7 23	6 17	6 43	11 47		n.a.
F 7	3 12	15 48	5 8	14 28	2 42	22 4	3 2	1 49	0 45	21 51	0 42	23 3	0 36	24 4	0 22	10 40	1 38	30 40	7 23	6 18	6 45	11 45		n.a.
S 8	3 37	17 41	5 15	14 52	2 44	22 23	3 4	1 32	0 45	21 49	0 42	23 3	0 36	24 4	0 22	10 41	1 38	30 40	7 23	6 19	6 46	11 44		n.a.
S 9	4 1	18 38	5 6	15 14	2 46	22 41	3 7	1 15	0 44	21 48	0 42	23 3	0 36	24 4	0 22	10 41	1 38	30 40	7 23	6 20	6 47	11 42		n.a.
M10	4 25	18 39	4 43	15 34	2 46	22 58	3 9	0 58	0 44	21 47	0 43	23 3	0 36	24 4	0 22	10 42	1 38	30 40	7 23	6 20	6 48	11 41		n.a.
T 11	4 49	17 48	4 8	15 52	2 46	23 15	3 11	0 41	0 43	21 46	0 43	23 3	0 36	24 4	0 22	10 42	1 38	30 40	7 23	6 20	6 49	11 39		n.a.
W12	5 12	16 10	3 22	16 7	2 45	23 32	3 13	0 24	0 43	21 44	0 43	23 3	0 36	24 4	0 22	10 43	1 38	30 40	7 22	6 19	6 51	11 38		n.a.
T 13	5 36	13 52	2 29	16 20	2 44	23 48	3 15	0 7	0 43	21 43	0 43	23 3	0 36	24 4	0 22	10 43	1 38	30 39	7 22	6 18	6 52	11 36		n.a.
F 14	6 0	11 0	1 29	16 30	2 41	24 3	3 17	0s10	0 42	21 42	0 43	23 4	0 36	24 4	0 22	10 44	1 38	30 39	7 22	6 18	6 53	11 35		n.a.
S 15	6 24	7 39	0 25	16 37	2 37	24 18	3 19	0 27	0 42	21 41	0 44	23 4	0 36	24 5	0 22	10 44	1 38	30 39	7 22	6 17	6 54	11 34		n.a.
S 16	6 47	3 59	0s40	16 40	2 32	24 32	3 20	0 44	0 41	21 40	0 44	23 4	0 36	24 5	0 22	10 45	1 38	30 39	7 22	6 17	6 56	11 32		n.a.
M17	7 11	0 6	1 45	16 39	2 25	24 45	3 22	1 1	0 41	21 39	0 44	23 4	0 36	24 5	0 22	10 45	1 38	30 39	7 22	6 18	6 57	11 31		n.a.
T 18	7 34	3n51	2 45	16 34	2 18	24 58	3 23	1 18	0 40	21 38	0 44	23 4	0 36	24 5	0 22	10 45	1 38	30 39	7 22	6 19	6 58	11 29		n.a.
W19	7 57	7 42	3 38	16 25	2 8	25 10	3 24	1 35	0 40	21 37	0 45	23 4	0 36	24 5	0 22	10 46	1 37	30 38	7 22	6 22	6 59	11 28		n.a.
T 20	8 20	11 16	4 22	16 11	1 57	25 22	3 26	1 52	0 39	21 36	0 45	23 4	0 36	24 5	0 22	10 46	1 37	30 38	7 21	6 24	7 1	11 26		n.a.
F 21	8 43	14 21	4 52	15 52	1 45	25 33	3 27	2 9	0 39	21 35	0 45	23 4	0 36	24 5	0 22	10 47	1 37	30 38	7 21	6 27	7 2	11 25		n.a.
S 22	9 6	16 45	5 8	15 28	1 31	25 43	3 27	2 26	0 38	21 34	0 45	23 4	0 36	24 5	0 22	10 47	1 37	30 38	7 21	6 29	7 3	11 23		n.a.
S 23	9 29	18 18	5 8	14 59	1 15	25 53	3 28	2 44	0 38	21 33	0 45	23 4	0 36	24 5	0 22	10 47	1 37	30 38	7 21	6 31	7 4	11 22		n.a.
M24	9 52	18 50	4 50	14 25	0 57	26 2	3 29	3 1	0 37	21 33	0 46	23 4	0 36	24 5	0 21	10 48	1 37	30 37	7 21	6 33	7 5	11 20		n.a.
T 25	10 14	18 17	4 16	13 46	0 39	26 10	3 29	3 18	0 37	21 32	0 46	23 4	0 35	24 5	0 21	10 48	1 37	30 37	7 21	6 34	7 7	11 19		n.a.
W26	10 36	16 37	3 26	13 3	0 19	26 18	3 29	3 35	0 36	21 31	0 46	23 4	0 35	24 5	0 21	10 48	1 37	30 37	7 21	6 34	7 8	11 17		n.a.
T 27	10 58	13 55	2 23	12 17	0n 2	26 25	3 29	3 52	0 36	21 30	0 46	23 4	0 35	24 5	0 21	10 49	1 37	30 37	7 21	6 33	7 9	11 16		n.a.
F 28	11 20	10 20	1 10	11 29	0 22	26 31	3 29	4 9	0 35	21 30	0 47	23 4	0 35	24 5	0 21	10 49	1 37	30 37	7 20	6 33	7 10	11 14		n.a.
S 29	11 42	6 7	0n 8	10 41	0 43	26 37	3 29	4 26	0 35	21 29	0 47	23 4	0 35	24 5	0 21	10 49	1 37	30 37	7 20	6 33	7 12	11 13		n.a.
S 30	12 4	1 31	1 25	9 54	1 2	26 42	3 28	4 43	0 34	21 28	0 47	23 4	0 35	24 5	0 21	10 49	1 37	30 36	7 20	6 33	7 13	11 11		n.a.
M31	12s25	3s10	2n36	9s 9	1n21	26s46	3s28	5s 0	0n34	21n28	0n47	23n 4	0s35	24s 5	0s21	10s50	1s37	30s36	7s20	6n34	7n14	11s10		n.a.

Julian Day Number = 1560255.5, Delta T = 04h24m41s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'59, Lahiri = -10°02'58 Julian Calendar 1 Oct. 442 BCE == Greg. Calendar 26 Sept. 442 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

NOVEMBER 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 16 55	3♏17'43	28♎19	25°R27	20♐24	14♎31	28♋44	24°R50	27♐45	6°R15	10♑53	13°R23	11♍43	28♒ 9	n.a.	T 1
W 2	2 20 52	4°18'46	12♏29	24♎25	21°21	15°13	28°48	24♊48	27°47	6♓15	10°54	13♍15	11°40	28°15	n.a.	W 2
T 3	2 24 48	5°19'51	26°21	23°33	22°18	15°55	28°51	24°45	27°50	6°14	10°55	13° 6	11°37	28°22	n.a.	T 3
F 4	2 28 45	6°20'56	9♐52	22°52	23°14	16°37	28°55	24°43	27°52	6°13	10°56	12°57	11°34	28°29	n.a.	F 4
S 5	2 32 42	7°22'02	23° 0	22°23	24°10	17°19	28°58	24°41	27°55	6°13	10°57	12°48	11°31	28°35	n.a.	S 5
S 6	2 36 38	8°23'09	5♑44	22° 5	25° 5	18° 2	29° 1	24°38	27°57	6°12	10°58	12°41	11°28	28°42	n.a.	S 6
M 7	2 40 35	9°24'16	18° 8	21°D58	25°59	18°44	29° 3	24°35	28° 0	6°11	10°59	12°36	11°24	28°49	n.a.	M 7
T 8	2 44 31	10°25'25	0♒16	22° 1	26°53	19°26	29° 6	24°33	28° 2	6°11	11° 0	12°34	11°21	28°55	n.a.	T 8
W 9	2 48 28	11°26'33	12°11	22°14	27°46	20° 9	29° 8	24°30	28° 5	6°10	11° 1	12°D33	11°18	29° 2	n.a.	W 9
T 10	2 52 24	12°27'42	24° 0	22°36	28°39	20°51	29°11	24°27	28° 8	6°10	11° 2	12°33	11°15	29° 8	n.a.	T 10
F 11	2 56 21	13°28'52	5♓48	23° 6	29°30	21°33	29°13	24°24	28°11	6°10	11° 3	12°34	11°12	29°15	n.a.	F 11
S 12	3 0 17	14°30'01	17°40	23°44	0♑21	22°16	29°14	24°21	28°13	6° 9	11° 4	12°R34	11° 9	29°22	n.a.	S 12
S 13	3 4 14	15°31'12	29°41	24°27	1°12	22°58	29°16	24°17	28°16	6° 9	11° 5	12°33	11° 5	29°28	n.a.	S 13
M14	3 8 11	16°32'22	11♈55	25°16	2° 1	23°41	29°17	24°14	28°19	6° 8	11° 6	12°29	11° 2	29°35	n.a.	M14
T 15	3 12 7	17°33'34	24°25	26°11	2°49	24°24	29°19	24°11	28°22	6° 8	11° 8	12°22	10°59	29°42	n.a.	T 15
W16	3 16 4	18°34'45	7♉13	27°10	3°37	25° 6	29°20	24° 7	28°25	6° 8	11° 9	12°13	10°56	29°48	n.a.	W16
T 17	3 20 0	19°35'57	20°18	28°12	4°24	25°49	29°20	24° 4	28°28	6° 8	11°10	12° 1	10°53	29°55	n.a.	T 17
F 18	3 23 57	20°37'10	3♊40	29°18	5° 9	26°32	29°21	24° 0	28°31	6° 7	11°11	11°49	10°49	0♓ 2	n.a.	F 18
S 19	3 27 53	21°38'23	17°16	0♏27	5°54	27°14	29°21	23°56	28°33	6° 7	11°12	11°37	10°46	0° 8	n.a.	S 19
S 20	3 31 50	22°39'36	1♋ 3	1°39	6°38	27°57	29°22	23°53	28°36	6° 7	11°14	11°27	10°43	0°15	n.a.	S 20
M21	3 35 46	23°40'51	14°58	2°52	7°20	28°40	29°R22	23°49	28°40	6° 7	11°15	11°19	10°40	0°22	n.a.	M21
T 22	3 39 43	24°42'05	28°58	4° 8	8° 2	29°23	29°22	23°45	28°43	6° 7	11°16	11°14	10°37	0°28	n.a.	T 22
W23	3 43 40	25°43'20	13♌ 0	5°26	8°42	0♏ 6	29°21	23°41	28°46	6°D 7	11°18	11°11	10°34	0°35	n.a.	W23
T 24	3 47 36	26°44'36	27° 4	6°45	9°21	0°49	29°21	23°37	28°49	6° 7	11°19	11°D11	10°30	0°42	n.a.	T 24
F 25	3 51 33	27°45'52	11♍ 9	8° 5	9°59	1°32	29°20	23°33	28°52	6° 7	11°21	11°R11	10°27	0°48	n.a.	F 25
S 26	3 55 29	28°47'09	25°14	9°27	10°35	2°15	29°19	23°28	28°55	6° 7	11°22	11°10	10°24	0°55	n.a.	S 26
S 27	3 59 26	29°48'26	9♎18	10°50	11°10	2°58	29°18	23°24	28°58	6° 7	11°23	11° 8	10°21	1° 2	n.a.	S 27
M28	4 3 22	0♐49'43	23°19	12°14	11°44	3°41	29°17	23°20	29° 1	6° 7	11°25	11° 3	10°18	1° 8	n.a.	M28
T 29	4 7 19	1°51'00	7♏15	13°38	12°16	4°24	29°15	23°15	29° 5	6° 8	11°26	10°54	10°14	1°15	n.a.	T 29
W30	4 11 16	2♐52'18	21♏ 1	15♏ 4	12♑47	5♏ 7	29♋14	23♊11	29♐ 8	6♓ 8	11♑28	10♍43	10♍11	1♓21	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s46	7s38	3n37	8s27	1n38	26s50	3s27	5s17	0n33	21n27	0n48	23n 4	0s35	24s 5	0s21	10s50	1s37	30s36	7s20	6n37	7n15	11s 8		n.a.
W 2	13 7	11 36	4 24	7 50	1 53	26 53	3 26	5 34	0 33	21 27	0 48	23 3	0 35	24 5	0 21	10 50	1 37	30 36	7 20	6 40	7 17	11 7		n.a.
T 3	13 28	14 50	4 54	7 19	2 5	26 56	3 25	5 51	0 32	21 26	0 48	23 3	0 35	24 5	0 21	10 50	1 37	30 36	7 20	6 43	7 18	11 5		n.a.
F 4	13 48	17 10	5 6	6 54	2 16	26 58	3 24	6 8	0 32	21 26	0 48	23 3	0 35	24 5	0 21	10 51	1 37	30 35	7 20	6 47	7 19	11 4		n.a.
S 5	14 9	18 32	5 2	6 35	2 25	26 59	3 22	6 24	0 31	21 25	0 49	23 3	0 35	24 5	0 21	10 51	1 37	30 35	7 19	6 50	7 20	11 2		n.a.
S 6	14 29	18 55	4 42	6 22	2 32	26 59	3 20	6 41	0 31	21 25	0 49	23 3	0 35	24 5	0 21	10 51	1 37	30 35	7 19	6 53	7 21	11 1		n.a.
M 7	14 49	18 22	4 10	6 15	2 36	26 59	3 18	6 58	0 30	21 25	0 49	23 3	0 35	24 5	0 21	10 51	1 37	30 35	7 19	6 55	7 23	10 59		n.a.
T 8	15 8	16 59	3 27	6 13	2 40	26 59	3 16	7 15	0 30	21 24	0 49	23 3	0 35	24 5	0 21	10 51	1 37	30 35	7 19	6 56	7 24	10 58		n.a.
W 9	15 27	14 52	2 36	6 17	2 41	26 57	3 14	7 31	0 29	21 24	0 50	23 3	0 35	24 5	0 21	10 51	1 37	30 34	7 19	6 56	7 25	10 56		n.a.
T 10	15 46	12 9	1 38	6 25	2 41	26 55	3 11	7 48	0 29	21 24	0 50	23 3	0 35	24 5	0 21	10 52	1 37	30 34	7 19	6 56	7 26	10 54		n.a.
F 11	16 5	8 56	0 36	6 37	2 40	26 53	3 8	8 5	0 28	21 24	0 50	23 3	0 35	24 5	0 21	10 52	1 37	30 34	7 19	6 56	7 28	10 53		n.a.
S 12	16 24	5 21	0s27	6 53	2 38	26 50	3 5	8 21	0 27	21 24	0 51	23 3	0 35	24 5	0 21	10 52	1 37	30 34	7 19	6 56	7 29	10 51		n.a.
S 13	16 42	1 30	1 30	7 12	2 35	26 46	3 2	8 38	0 27	21 24	0 51	23 3	0 34	24 5	0 21	10 52	1 36	30 34	7 19	6 56	7 30	10 50		n.a.
M14	17 0	2n28	2 30	7 33	2 31	26 42	2 58	8 54	0 26	21 24	0 51	23 3	0 34	24 5	0 21	10 52	1 36	30 33	7 19	6 58	7 31	10 48		n.a.
T 15	17 17	6 26	3 24	7 57	2 27	26 37	2 54	9 11	0 26	21 24	0 51	23 3	0 34	24 6	0 21	10 52	1 36	30 33	7 18	7 0	7 32	10 47		n.a.
W16	17 35	10 11	4 8	8 23	2 22	26 32	2 50	9 27	0 25	21 24	0 52	23 3	0 34	24 6	0 21	10 52	1 36	30 33	7 18	7 4	7 34	10 45		n.a.
T 17	17 51	13 32	4 41	8 51	2 16	26 26	2 46	9 43	0 25	21 24	0 52	23 3	0 34	24 6	0 21	10 52	1 36	30 33	7 18	7 8	7 35	10 44		n.a.
F 18	18 8	16 16	4 59	9 20	2 10	26 20	2 41	9 59	0 24	21 24	0 52	23 2	0 34	24 6	0 21	10 52	1 36	30 33	7 18	7 13	7 36	10 42		n.a.
S 19	18 24	18 8	5 1	9 51	2 4	26 13	2 36	10 15	0 23	21 24	0 52	23 2	0 34	24 6	0 21	10 52	1 36	30 32	7 18	7 18	7 37	10 41		n.a.
S 20	18 40	19 0	4 45	10 22	1 57	26 6	2 31	10 32	0 23	21 24	0 53	23 2	0 34	24 6	0 21	10 52	1 36	30 32	7 18	7 22	7 38	10 39		n.a.
M21	18 56	18 43	4 12	10 54	1 50	25 58	2 26	10 48	0 22	21 24	0 53	23 2	0 34	24 6	0 21	10 52	1 36	30 32	7 18	7 25	7 40	10 37		n.a.
T 22	19 11	17 18	3 24	11 26	1 43	25 50	2 20	11 4	0 22	21 25	0 53	23 2	0 34	24 6	0 21	10 52	1 36	30 32	7 18	7 27	7 41	10 36		n.a.
W23	19 26	14 50	2 24	11 59	1 36	25 41	2 14	11 19	0 21	21 25	0 53	23 2	0 34	24 6	0 21	10 52	1 36	30 32	7 18	7 28	7 42	10 34		n.a.
T 24	19 41	11 29	1 14	12 33	1 29	25 32	2 8	11 35	0 20	21 25	0 54	23 2	0 34	24 6	0 21	10 52	1 36	30 31	7 18	7 28	7 43	10 33		n.a.
F 25	19 55	7 28	0 0	13 6	1 21	25 22	2 1	11 51	0 20	21 26	0 54	23 2	0 34	24 6	0 21	10 52	1 36	30 31	7 18	7 28	7 45	10 31		n.a.
S 26	20 9	3 3	1n14	13 40	1 14	25 12	1 54	12 6	0 19	21 26	0 54	23 1	0 34	24 6	0 21	10 52	1 36	30 31	7 18	7 28	7 46	10 30		n.a.
S 27	20 22	1s33	2 23	14 13	1 6	25 2	1 46	12 22	0 19	21 27	0 55	23 1	0 33	24 6	0 21	10 52	1 36	30 31	7 17	7 29	7 47	10 28		n.a.
M28	20 35	6 2	3 23	14 46	0 59	24 52	1 39	12 37	0 18	21 27	0 55	23 1	0 33	24 6	0 21	10 52	1 36	30 31	7 17	7 31	7 48	10 27		n.a.
T 29	20 48	10 9	4 11	15 19	0 51	24 41	1 31	12 53	0 17	21 28	0 55	23 1	0 33	24 6	0 21	10 52	1 36	30 30	7 17	7 34	7 49	10 25		n.a.
W30	21s 0	13s41	4n43	15s52	0n43	24s29	1s22	13s 8	0n17	21n29	0n55	23n 1	0s33	24s 6	0s21	10s51	1s36	30s30	7s17	7n39	7n51	10s23		n.a.

Julian Day Number = 1560286.5, Delta T = 04h24m40s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'54, Lahiri = -10°02'54 Julian Calendar 1 Nov. 442 BCE == Greg. Calendar 27 Oct. 442 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 442 BCE
geocentric

DECEMBER 442 BCE (-441) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 15 12	3♐53'36	4♐35	16♏30	13♑16	5♏51	29°R12	23°R 6	29♐11	6♓ 8	11♑29	10°R30	10♍ 8	1♓28	n.a.	T 1
F 2	4 19 9	4°54'53	17°52	17°57	13°43	6°34	29♋10	23♊ 2	29°14	6° 8	11°31	10♍16	10° 5	1°35	n.a.	F 2
S 3	4 23 5	5°56'11	0♑52	19°24	14° 9	7°17	29° 7	22°57	29°18	6° 9	11°32	10° 3	10° 2	1°41	n.a.	S 3
S 4	4 27 2	6°57'28	13°32	20°52	14°33	8° 1	29° 5	22°53	29°21	6° 9	11°34	9°52	9°59	1°48	n.a.	S 4
M 5	4 30 58	7°58'44	25°54	22°21	14°55	8°44	29° 2	22°48	29°24	6°10	11°35	9°43	9°55	1°55	n.a.	M 5
T 6	4 34 55	9° 0'01	8♒ 1	23°50	15°15	9°27	28°59	22°43	29°28	6°10	11°37	9°38	9°52	2° 1	n.a.	T 6
W 7	4 38 51	10° 1'16	19°57	25°20	15°33	10°11	28°56	22°38	29°31	6°10	11°39	9°35	9°49	2° 8	n.a.	W 7
T 8	4 42 48	11° 2'31	1♓45	26°50	15°49	10°54	28°53	22°34	29°34	6°11	11°40	9°34	9°46	2°15	n.a.	T 8
F 9	4 46 45	12° 3'45	13°33	28°21	16° 2	11°38	28°50	22°29	29°38	6°11	11°42	9°34	9°43	2°21	n.a.	F 9
S 10	4 50 41	13° 4'59	25°24	29°52	16°14	12°21	28°46	22°24	29°41	6°12	11°43	9°34	9°40	2°28	n.a.	S 10
S 11	4 54 38	14° 6'12	7♈26	1♐23	16°23	13° 5	28°42	22°19	29°45	6°13	11°45	9°32	9°36	2°35	n.a.	S 11
M12	4 58 34	15° 7'24	19°42	2°55	16°30	13°49	28°38	22°14	29°48	6°13	11°47	9°28	9°33	2°41	n.a.	M12
T 13	5 2 31	16° 8'35	2♉18	4°28	16°35	14°32	28°34	22° 9	29°52	6°14	11°48	9°21	9°30	2°48	n.a.	T 13
W14	5 6 27	17° 9'46	15°16	6° 1	16°R37	15°16	28°30	22° 4	29°55	6°15	11°50	9°11	9°27	2°55	n.a.	W14
T 15	5 10 24	18°10'56	28°36	7°34	16°37	16° 0	28°25	22° 0	29°58	6°15	11°52	9° 0	9°24	3° 1	n.a.	T 15
F 16	5 14 20	19°12'05	12♊19	9° 8	16°34	16°44	28°21	21°55	0♑ 2	6°16	11°53	8°47	9°20	3° 8	n.a.	F 16
S 17	5 18 17	20°13'13	26°20	10°43	16°28	17°27	28°16	21°50	0° 5	6°17	11°55	8°35	9°17	3°14	n.a.	S 17
S 18	5 22 14	21°14'21	10♋35	12°18	16°20	18°11	28°11	21°45	0° 9	6°18	11°57	8°23	9°14	3°21	n.a.	S 18
M19	5 26 10	22°15'28	24°58	13°54	16°10	18°55	28° 6	21°40	0°12	6°19	11°58	8°15	9°11	3°28	n.a.	M19
T 20	5 30 7	23°16'35	9♌22	15°30	15°57	19°39	28° 1	21°35	0°16	6°20	12° 0	8° 9	9° 8	3°34	n.a.	T 20
W21	5 34 3	24°17'40	23°44	17° 6	15°41	20°23	27°55	21°30	0°19	6°21	12° 2	8° 7	9° 5	3°41	n.a.	W21
T 22	5 38 0	25°18'45	7♍59	18°44	15°23	21° 7	27°50	21°25	0°23	6°22	12° 4	8°D 6	9° 1	3°48	n.a.	T 22
F 23	5 41 56	26°19'50	22° 6	20°21	15° 3	21°51	27°44	21°20	0°26	6°23	12° 5	8°R 6	8°58	3°54	n.a.	F 23
S 24	5 45 53	27°20'54	6♎ 5	22° 0	14°40	22°35	27°38	21°15	0°30	6°24	12° 7	8° 6	8°55	4° 1	n.a.	S 24
S 25	5 49 50	28°21'57	19°54	23°39	14°16	23°19	27°32	21°10	0°34	6°25	12° 9	8° 4	8°52	4° 8	n.a.	S 25
M26	5 53 46	29°22'59	3♏34	25°19	13°49	24° 3	27°26	21° 5	0°37	6°26	12°11	8° 0	8°49	4°14	n.a.	M26
T 27	5 57 43	0♑24'01	17° 5	26°59	13°20	24°47	27°20	21° 0	0°41	6°27	12°13	7°52	8°46	4°21	n.a.	T 27
W28	6 1 39	1°25'01	0♐25	28°40	12°49	25°32	27°13	20°56	0°44	6°28	12°14	7°43	8°42	4°28	n.a.	W28
T 29	6 5 36	2°26'01	13°34	0♑22	12°17	26°16	27° 7	20°51	0°48	6°29	12°16	7°31	8°39	4°34	n.a.	T 29
F 30	6 9 32	3°27'00	26°30	2° 4	11°43	27° 0	27° 0	20°46	0°51	6°31	12°18	7°19	8°36	4°41	n.a.	F 30
S 31	6 13 29	4♑27'58	9♑12	3♑48	11♑ 9	27♏45	26♋53	20♊41	0♑55	6♓32	12♑20	7♍ 7	8♍33	4♓48	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s12	16s26	4n59	16s25	0n36	24s18	1s14	13s23	0n16	21n29	0n56	23n 1	0s33	24s 6	0s21	10s51	1s36	30s30	7s17	7n44	7n52	10s22			n.a.
F 2	21 23	18 15	4 58	16 57	0 28	24 6	1 4	13 38	0 15	21 30	0 56	23 1	0 33	24 6	0 21	10 51	1 36	30 30	7 17	7 49	7 53	10 20			n.a.
S 3	21 34	19 3	4 41	17 28	0 21	23 54	0 55	13 53	0 15	21 31	0 56	23 0	0 33	24 6	0 21	10 51	1 36	30 30	7 17	7 54	7 54	10 19			n.a.
S 4	21 45	18 53	4 11	17 59	0 14	23 41	0 45	14 8	0 14	21 31	0 56	23 0	0 33	24 6	0 21	10 51	1 35	30 29	7 17	7 58	7 56	10 17			n.a.
M 5	21 55	17 49	3 29	18 29	0 6	23 29	0 35	14 23	0 13	21 32	0 57	23 0	0 33	24 6	0 21	10 51	1 35	30 29	7 17	8 1	7 57	10 16			n.a.
T 6	22 5	15 56	2 39	18 59	0s 1	23 16	0 24	14 38	0 13	21 33	0 57	23 0	0 33	24 6	0 21	10 50	1 35	30 29	7 17	8 3	7 58	10 14			n.a.
W 7	22 14	13 24	1 42	19 28	0 8	23 3	0 14	14 52	0 12	21 34	0 57	23 0	0 33	24 6	0 21	10 50	1 35	30 29	7 17	8 5	7 59	10 12			n.a.
T 8	22 23	10 21	0 41	19 56	0 15	22 50	0 2	15 6	0 11	21 35	0 57	23 0	0 32	24 6	0 21	10 50	1 35	30 29	7 17	8 5	8 0	10 11			n.a.
F 9	22 32	6 52	0s21	20 24	0 22	22 37	0n 9	15 21	0 11	21 36	0 58	22 59	0 32	24 6	0 21	10 50	1 35	30 29	7 17	8 5	8 2	10 9			n.a.
S 10	22 40	3 7	1 23	20 51	0 28	22 23	0 21	15 35	0 10	21 37	0 58	22 59	0 32	24 6	0 21	10 49	1 35	30 28	7 17	8 5	8 3	10 8			n.a.
S 11	22 47	0n49	2 22	21 16	0 35	22 10	0 34	15 49	0 9	21 38	0 58	22 59	0 32	24 6	0 21	10 49	1 35	30 28	7 17	8 6	8 4	10 6			n.a.
M12	22 54	4 47	3 16	21 41	0 41	21 56	0 47	16 3	0 9	21 39	0 58	22 59	0 32	24 6	0 21	10 49	1 35	30 28	7 17	8 7	8 5	10 4			n.a.
T 13	23 1	8 39	4 1	22 5	0 48	21 43	1 0	16 17	0 8	21 40	0 59	22 59	0 32	24 6	0 21	10 49	1 35	30 28	7 17	8 10	8 6	10 3			n.a.
W14	23 7	12 14	4 35	22 28	0 54	21 29	1 13	16 30	0 7	21 41	0 59	22 59	0 32	24 6	0 21	10 48	1 35	30 28	7 17	8 14	8 8	10 1			n.a.
T 15	23 13	15 18	4 56	22 50	1 0	21 16	1 27	16 44	0 7	21 42	0 59	22 58	0 32	24 6	0 21	10 48	1 35	30 27	7 17	8 18	8 9	10 0			n.a.
F 16	23 18	17 36	5 0	23 11	1 5	21 2	1 41	16 57	0 6	21 44	0 59	22 58	0 32	24 6	0 21	10 48	1 35	30 27	7 17	8 23	8 10	9 58			n.a.
S 17	23 23	18 55	4 47	23 30	1 11	20 48	1 55	17 10	0 5	21 45	1 0	22 58	0 32	24 6	0 21	10 47	1 35	30 27	7 17	8 28	8 11	9 56			n.a.
S 18	23 27	19 5	4 15	23 49	1 16	20 35	2 10	17 23	0 5	21 46	1 0	22 58	0 31	24 6	0 21	10 47	1 35	30 27	7 17	8 32	8 12	9 55			n.a.
M19	23 31	18 1	3 27	24 6	1 21	20 21	2 25	17 36	0 4	21 47	1 0	22 58	0 31	24 6	0 21	10 46	1 35	30 27	7 17	8 35	8 14	9 53			n.a.
T 20	23 34	15 48	2 26	24 22	1 26	20 8	2 40	17 49	0 3	21 49	1 0	22 57	0 31	24 6	0 21	10 46	1 35	30 27	7 17	8 37	8 15	9 52			n.a.
W21	23 37	12 36	1 16	24 37	1 30	19 55	2 55	18 2	0 2	21 50	1 1	22 57	0 31	24 6	0 21	10 46	1 35	30 26	7 17	8 38	8 16	9 50			n.a.
T 22	23 40	8 40	0 1	24 50	1 35	19 42	3 10	18 14	0 2	21 51	1 1	22 57	0 31	24 6	0 21	10 45	1 35	30 26	7 17	8 38	8 17	9 48			n.a.
F 23	23 42	4 18	1n14	25 2	1 39	19 29	3 25	18 27	0 1	21 53	1 1	22 57	0 31	24 6	0 21	10 45	1 35	30 26	7 17	8 38	8 19	9 47			n.a.
S 24	23 43	0s16	2 23	25 12	1 42	19 16	3 41	18 39	0 0	21 54	1 1	22 57	0 31	24 6	0 21	10 44	1 35	30 26	7 17	8 38	8 20	9 45			n.a.
S 25	23 44	4 45	3 23	25 21	1 46	19 4	3 56	18 51	0s 0	21 56	1 2	22 56	0 31	24 6	0 21	10 44	1 35	30 26	7 17	8 39	8 21	9 43			n.a.
M26	23 45	8 57	4 10	25 29	1 49	18 52	4 11	19 3	0 1	21 57	1 2	22 56	0 31	24 6	0 21	10 44	1 34	30 26	7 17	8 41	8 22	9 42			n.a.
T 27	23 45	12 37	4 43	25 35	1 52	18 40	4 26	19 14	0 2	21 58	1 2	22 56	0 30	24 6	0 21	10 43	1 34	30 25	7 17	8 43	8 23	9 40			n.a.
W28	23 44	15 36	5 0	25 39	1 54	18 28	4 40	19 26	0 3	22 0	1 2	22 56	0 30	24 6	0 21	10 43	1 34	30 25	7 17	8 47	8 25	9 39			n.a.
T 29	23 43	17 44	5 1	25 41	1 57	18 17	4 55	19 37	0 3	22 1	1 2	22 55	0 30	24 6	0 21	10 42	1 34	30 25	7 17	8 51	8 26	9 37			n.a.
F 30	23 42	18 56	4 46	25 42	1 58	18 6	5 9	19 48	0 4	22 3	1 3	22 55	0 30	24 6	0 21	10 42	1 34	30 25	7 17	8 56	8 27	9 35			n.a.
S 31	23s40	19s 9	4n17	25s41	2s 0	17s55	5n22	19s59	0s 5	22n 5	1n 3	22n55	0s30	24s 6	0s21	10s41	1s34	30s25	7s17	9n 0	8n28	9s34			n.a.

Julian Day Number = 1560316.5, Delta T = 04h24m39s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'50, Lahiri = -10°02'50 Julian Calendar 1 Dec. 442 BCE == Greg. Calendar 26 Nov. 442 BCE

The year -441 astronomical counting style corresponds to year 442 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

JANUARY 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 17 25	5♑28'54	21♑40	5♑31	10°R33	28♏29	26°R46	20°R37	0♑58	6♓33	12♑21	6°R57	8♍30	4♓54	n.a.	S 1
M 2	6 21 22	6°29'49	3♒55	7°16	9♑56	29°13	26♋39	20♊32	1° 2	6°34	12°23	6♍50	8°26	5° 1	n.a.	M 2
T 3	6 25 19	7°30'42	15°57	9° 1	9°19	29°58	26°32	20°27	1° 5	6°36	12°25	6°45	8°23	5° 7	n.a.	T 3
W 4	6 29 15	8°31'34	27°51	10°47	8°42	0♐42	26°25	20°23	1° 9	6°37	12°27	6°42	8°20	5°14	n.a.	W 4
T 5	6 33 12	9°32'25	9♓39	12°34	8° 5	1°27	26°18	20°18	1°12	6°38	12°29	6°D42	8°17	5°21	n.a.	T 5
F 6	6 37 8	10°33'13	21°25	14°21	7°28	2°11	26°11	20°14	1°16	6°40	12°31	6°43	8°14	5°27	n.a.	F 6
S 7	6 41 5	11°34'00	3♈16	16° 9	6°51	2°56	26° 3	20° 9	1°19	6°41	12°32	6°44	8°11	5°34	n.a.	S 7
S 8	6 45 1	12°34'46	15°16	17°57	6°15	3°40	25°56	20° 5	1°23	6°43	12°34	6°R44	8° 7	5°41	n.a.	S 8
M 9	6 48 58	13°35'29	27°30	19°46	5°41	4°25	25°48	20° 0	1°26	6°44	12°36	6°43	8° 4	5°47	n.a.	M 9
T 10	6 52 54	14°36'11	10♉ 5	21°35	5° 7	5° 9	25°41	19°56	1°30	6°46	12°38	6°39	8° 1	5°54	n.a.	T 10
W11	6 56 51	15°36'51	23° 3	23°24	4°35	5°54	25°33	19°52	1°33	6°47	12°40	6°34	7°58	6° 1	n.a.	W11
T 12	7 0 48	16°37'30	6♊27	25°14	4° 5	6°39	25°25	19°48	1°37	6°49	12°41	6°27	7°55	6° 7	n.a.	T 12
F 13	7 4 44	17°38'06	20°18	27° 3	3°36	7°23	25°17	19°44	1°40	6°51	12°43	6°19	7°52	6°14	n.a.	F 13
S 14	7 8 41	18°38'41	4♋34	28°53	3°10	8° 8	25°10	19°40	1°43	6°52	12°45	6°11	7°48	6°21	n.a.	S 14
S 15	7 12 37	19°39'14	19° 8	0♒42	2°45	8°53	25° 2	19°36	1°47	6°54	12°47	6° 3	7°45	6°27	n.a.	S 15
M16	7 16 34	20°39'46	3♌55	2°30	2°23	9°37	24°54	19°32	1°50	6°56	12°49	5°58	7°42	6°34	n.a.	M16
T 17	7 20 30	21°40'15	18°46	4°18	2° 3	10°22	24°46	19°28	1°54	6°57	12°50	5°55	7°39	6°40	n.a.	T 17
W18	7 24 27	22°40'43	3♍34	6° 4	1°46	11° 7	24°38	19°24	1°57	6°59	12°52	5°D53	7°36	6°47	n.a.	W18
T 19	7 28 23	23°41'10	18°12	7°48	1°31	11°52	24°30	19°21	2° 0	7° 1	12°54	5°54	7°32	6°54	n.a.	T 19
F 20	7 32 20	24°41'35	2♎35	9°31	1°18	12°37	24°22	19°17	2° 4	7° 3	12°56	5°55	7°29	7° 0	n.a.	F 20
S 21	7 36 17	25°41'59	16°42	11°11	1° 8	13°22	24°14	19°14	2° 7	7° 4	12°58	5°56	7°26	7° 7	n.a.	S 21
S 22	7 40 13	26°42'21	0♏31	12°48	1° 1	14° 7	24° 7	19°10	2°10	7° 6	12°59	5°R57	7°23	7°14	n.a.	S 22
M23	7 44 10	27°42'41	14° 4	14°21	0°55	14°52	23°59	19° 7	2°14	7° 8	13° 1	5°55	7°20	7°20	n.a.	M23
T 24	7 48 6	28°43'00	27°20	15°50	0°53	15°37	23°51	19° 4	2°17	7°10	13° 3	5°52	7°17	7°27	n.a.	T 24
W25	7 52 3	29°43'18	10♐21	17°14	0°D53	16°22	23°43	19° 1	2°20	7°12	13° 5	5°48	7°13	7°34	n.a.	W25
T 26	7 55 59	0♒43'34	23° 9	18°32	0°55	17° 7	23°35	18°57	2°23	7°14	13° 6	5°42	7°10	7°40	n.a.	T 26
F 27	7 59 56	1°43'48	5♑44	19°45	1° 0	17°52	23°27	18°55	2°26	7°15	13° 8	5°36	7° 7	7°47	n.a.	F 27
S 28	8 3 52	2°44'00	18° 7	20°51	1° 7	18°37	23°20	18°52	2°30	7°17	13°10	5°30	7° 4	7°54	n.a.	S 28
S 29	8 7 49	3°44'11	0♒20	21°49	1°16	19°22	23°12	18°49	2°33	7°19	13°12	5°24	7° 1	8° 0	n.a.	S 29
M30	8 11 46	4°44'19	12°23	22°40	1°27	20° 7	23° 4	18°46	2°36	7°21	13°13	5°21	6°58	8° 7	n.a.	M30
T 31	8 15 42	5♒44'26	24♒19	23♒23	1♑41	20♐52	22♋57	18♊44	2♑39	7♓23	13♑15	5♍19	6♍54	8♓14	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23s38	18s25	3n37	25s38	2s 1	17s45	5n35	20s10	0s 6	22n 6	1n 3	22n55	0s30	24s 6	0s21	10s41	1s34	30s25	7s17	9n 4	8n29	9s32			n.a.
M 2	23 35	16 50	2 46	25 34	2 1	17 36	5 47	20 21	0 6	22 8	1 3	22 55	0 30	24 6	0 21	10 40	1 34	30 25	7 17	9 7	8 31	9 30			n.a.
T 3	23 32	14 32	1 49	25 27	2 1	17 26	5 59	20 31	0 7	22 9	1 3	22 54	0 30	24 6	0 21	10 40	1 34	30 24	7 17	9 9	8 32	9 29			n.a.
W 4	23 28	11 38	0 47	25 19	2 1	17 18	6 10	20 41	0 8	22 11	1 4	22 54	0 29	24 6	0 21	10 39	1 34	30 24	7 17	9 10	8 33	9 27			n.a.
T 5	23 24	8 18	0s16	25 8	2 0	17 10	6 21	20 51	0 9	22 12	1 4	22 54	0 29	24 6	0 21	10 38	1 34	30 24	7 17	9 10	8 34	9 25			n.a.
F 6	23 19	4 39	1 18	24 56	1 59	17 2	6 30	21 1	0 9	22 14	1 4	22 54	0 29	24 6	0 21	10 38	1 34	30 24	7 17	9 10	8 35	9 24			n.a.
S 7	23 14	0 48	2 18	24 42	1 57	16 55	6 39	21 11	0 10	22 16	1 4	22 54	0 29	24 6	0 22	10 37	1 34	30 24	7 17	9 9	8 37	9 22			n.a.
S 8	23 9	3n 8	3 12	24 25	1 55	16 49	6 47	21 20	0 11	22 17	1 4	22 53	0 29	24 6	0 22	10 37	1 34	30 24	7 17	9 9	8 38	9 21			n.a.
M 9	23 3	7 0	3 59	24 7	1 52	16 44	6 54	21 29	0 12	22 19	1 4	22 53	0 29	24 6	0 22	10 36	1 34	30 24	7 17	9 10	8 39	9 19			n.a.
T 10	22 56	10 40	4 36	23 46	1 48	16 39	7 0	21 38	0 13	22 20	1 5	22 53	0 29	24 6	0 22	10 35	1 34	30 24	7 18	9 11	8 40	9 17			n.a.
W11	22 49	13 57	4 59	23 24	1 44	16 34	7 6	21 47	0 13	22 22	1 5	22 53	0 28	24 6	0 22	10 35	1 34	30 24	7 18	9 13	8 41	9 16			n.a.
T 12	22 42	16 37	5 8	22 59	1 39	16 31	7 10	21 56	0 14	22 23	1 5	22 53	0 28	24 6	0 22	10 34	1 34	30 23	7 18	9 16	8 43	9 14			n.a.
F 13	22 34	18 25	4 59	22 33	1 34	16 28	7 14	22 4	0 15	22 25	1 5	22 52	0 28	24 6	0 22	10 34	1 34	30 23	7 18	9 19	8 44	9 12			n.a.
S 14	22 26	19 9	4 31	22 4	1 27	16 25	7 17	22 12	0 16	22 27	1 5	22 52	0 28	24 6	0 22	10 33	1 34	30 23	7 18	9 22	8 45	9 11			n.a.
S 15	22 17	18 38	3 46	21 34	1 20	16 24	7 19	22 20	0 17	22 28	1 5	22 52	0 28	24 6	0 22	10 32	1 34	30 23	7 18	9 24	8 46	9 9			n.a.
M16	22 8	16 52	2 44	21 2	1 13	16 23	7 21	22 28	0 17	22 30	1 6	22 52	0 28	24 6	0 22	10 32	1 34	30 23	7 18	9 26	8 47	9 7			n.a.
T 17	21 59	13 57	1 32	20 28	1 4	16 22	7 21	22 35	0 18	22 31	1 6	22 52	0 28	24 6	0 22	10 31	1 34	30 23	7 18	9 28	8 49	9 6			n.a.
W18	21 49	10 8	0 13	19 53	0 55	16 23	7 21	22 43	0 19	22 33	1 6	22 52	0 28	24 6	0 22	10 30	1 34	30 23	7 18	9 28	8 50	9 4			n.a.
T 19	21 38	5 44	1n 6	19 17	0 45	16 24	7 21	22 50	0 20	22 35	1 6	22 51	0 27	24 5	0 22	10 30	1 34	30 23	7 18	9 28	8 51	9 2			n.a.
F 20	21 28	1 6	2 20	18 39	0 35	16 25	7 19	22 56	0 21	22 36	1 6	22 51	0 27	24 5	0 22	10 29	1 34	30 23	7 18	9 27	8 52	9 1			n.a.
S 21	21 17	3s31	3 24	18 1	0 23	16 27	7 17	23 3	0 21	22 38	1 6	22 51	0 27	24 5	0 22	10 28	1 34	30 23	7 18	9 27	8 53	8 59			n.a.
S 22	21 5	7 50	4 14	17 22	0 11	16 30	7 15	23 9	0 22	22 39	1 6	22 51	0 27	24 5	0 22	10 28	1 34	30 22	7 19	9 27	8 55	8 57			n.a.
M23	20 53	11 40	4 49	16 43	0n 1	16 33	7 12	23 15	0 23	22 41	1 6	22 51	0 27	24 5	0 22	10 27	1 33	30 22	7 19	9 27	8 56	8 56			n.a.
T 24	20 41	14 49	5 8	16 4	0 15	16 36	7 8	23 21	0 24	22 42	1 6	22 51	0 27	24 5	0 22	10 26	1 33	30 22	7 19	9 28	8 57	8 54			n.a.
W25	20 28	17 10	5 10	15 25	0 29	16 40	7 5	23 27	0 25	22 44	1 7	22 51	0 27	24 5	0 22	10 25	1 33	30 22	7 19	9 30	8 58	8 52			n.a.
T 26	20 15	18 37	4 57	14 47	0 43	16 44	7 0	23 32	0 26	22 45	1 7	22 51	0 26	24 5	0 22	10 25	1 33	30 22	7 19	9 32	8 59	8 51			n.a.
F 27	20 2	19 8	4 30	14 10	0 58	16 49	6 56	23 37	0 26	22 46	1 7	22 50	0 26	24 5	0 22	10 24	1 33	30 22	7 19	9 35	9 1	8 49			n.a.
S 28	19 48	18 42	3 50	13 35	1 13	16 54	6 51	23 42	0 27	22 48	1 7	22 50	0 26	24 5	0 22	10 23	1 33	30 22	7 19	9 37	9 2	8 47			n.a.
S 29	19 34	17 25	3 0	13 1	1 28	16 59	6 45	23 47	0 28	22 49	1 7	22 50	0 26	24 5	0 22	10 22	1 33	30 22	7 19	9 39	9 3	8 45			n.a.
M30	19 19	15 21	2 2	12 30	1 43	17 5	6 40	23 51	0 29	22 51	1 7	22 50	0 26	24 5	0 22	10 22	1 33	30 22	7 20	9 40	9 4	8 44			n.a.
T 31	19s 5	12s39	1n 0	12s 2	1n59	17s11	6n34	23s55	0s30	22n52	1n 7	22n50	0s26	24s 5	0s22	10s21	1s33	30s22	7s20	9n41	9n 5	8s42			n.a.

Julian Day Number = 1560347.5, Delta T = 04h24m38s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'46, Lahiri = -10°02'46 Julian Calendar 1 Jan. 441 BCE == Greg. Calendar 27 Dec. 442 BCE

The year -440 astronomical counting style corresponds to year 441 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

FEBRUARY 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 19 39	6♒44'30	6♓ 9	23♒57	1♑56	21♐37	22°R49	18°R41	2♑42	7♓25	13♑17	5°D18	6♍51	8♓20	n.a.	W 1
T 2	8 23 35	7°44'32	17°55	24°22	2°14	22°23	22♋42	18♊39	2°45	7°27	13°18	5♍19	6°48	8°27	n.a.	T 2
F 3	8 27 32	8°44'32	29°42	24°38	2°33	23° 8	22°34	18°36	2°48	7°29	13°20	5°20	6°45	8°33	n.a.	F 3
S 4	8 31 28	9°44'30	11♈33	24°R44	2°55	23°53	22°27	18°34	2°51	7°31	13°22	5°22	6°42	8°40	n.a.	S 4
S 5	8 35 25	10°44'25	23°33	24°42	3°18	24°38	22°20	18°32	2°54	7°33	13°23	5°24	6°38	8°47	n.a.	S 5
M 6	8 39 21	11°44'18	5♉46	24°31	3°43	25°23	22°13	18°30	2°57	7°36	13°25	5°25	6°35	8°53	n.a.	M 6
T 7	8 43 18	12°44'09	18°16	24°11	4° 9	26° 9	22° 6	18°28	3° 0	7°38	13°27	5°R25	6°32	9° 0	n.a.	T 7
W 8	8 47 15	13°43'57	1♊ 9	23°43	4°37	26°54	21°59	18°27	3° 3	7°40	13°28	5°24	6°29	9° 7	n.a.	W 8
T 9	8 51 11	14°43'44	14°28	23° 9	5° 7	27°39	21°52	18°25	3° 6	7°42	13°30	5°22	6°26	9°13	n.a.	T 9
F 10	8 55 8	15°43'28	28°15	22°27	5°38	28°25	21°45	18°23	3° 9	7°44	13°31	5°19	6°23	9°20	n.a.	F 10
S 11	8 59 4	16°43'09	12♋29	21°41	6°11	29°10	21°39	18°22	3°11	7°46	13°33	5°17	6°19	9°27	n.a.	S 11
S 12	9 3 1	17°42'48	27° 8	20°50	6°45	29°55	21°32	18°21	3°14	7°48	13°35	5°14	6°16	9°33	n.a.	S 12
M13	9 6 57	18°42'25	12♌ 4	19°56	7°20	0♑41	21°26	18°19	3°17	7°50	13°36	5°13	6°13	9°40	n.a.	M13
T 14	9 10 54	19°42'00	27°12	19° 0	7°57	1°26	21°20	18°18	3°20	7°53	13°38	5°12	6°10	9°47	n.a.	T 14
W15	9 14 50	20°41'32	12♍20	18° 4	8°35	2°11	21°13	18°17	3°22	7°55	13°39	5°D12	6° 7	9°53	n.a.	W15
T 16	9 18 47	21°41'03	27°20	17° 9	9°14	2°57	21° 7	18°16	3°25	7°57	13°41	5°12	6° 4	10° 0	n.a.	T 16
F 17	9 22 43	22°40'32	12♎ 5	16°15	9°54	3°42	21° 2	18°15	3°27	7°59	13°42	5°13	6° 0	10° 6	n.a.	F 17
S 18	9 26 40	23°39'58	26°29	15°24	10°36	4°28	20°56	18°15	3°30	8° 1	13°44	5°14	5°57	10°13	n.a.	S 18
S 19	9 30 37	24°39'23	10♏30	14°36	11°18	5°13	20°50	18°14	3°33	8° 4	13°45	5°15	5°54	10°20	n.a.	S 19
M20	9 34 33	25°38'46	24° 6	13°53	12° 1	5°59	20°45	18°14	3°35	8° 6	13°47	5°R15	5°51	10°26	n.a.	M20
T 21	9 38 30	26°38'07	7♐20	13°15	12°46	6°44	20°40	18°13	3°37	8° 8	13°48	5°15	5°48	10°33	n.a.	T 21
W22	9 42 26	27°37'27	20°13	12°42	13°31	7°29	20°35	18°13	3°40	8°10	13°49	5°15	5°44	10°40	n.a.	W22
T 23	9 46 23	28°36'44	2♑49	12°14	14°17	8°15	20°30	18°13	3°42	8°12	13°51	5°14	5°41	10°46	n.a.	T 23
F 24	9 50 19	29°36'00	15° 9	11°53	15° 4	9° 0	20°25	18°D13	3°45	8°15	13°52	5°13	5°38	10°53	n.a.	F 24
S 25	9 54 16	0♓35'13	27°19	11°37	15°52	9°46	20°20	18°13	3°47	8°17	13°54	5°12	5°35	11° 0	n.a.	S 25
S 26	9 58 12	1°34'25	9♒19	11°27	16°41	10°32	20°16	18°13	3°49	8°19	13°55	5°12	5°32	11° 6	n.a.	S 26
M27	10 2 9	2°33'34	21°12	11°D23	17°30	11°17	20°11	18°13	3°51	8°21	13°56	5°12	5°29	11°13	n.a.	M27
T 28	10 6 6	3°32'41	3♓ 2	11°25	18°20	12° 3	20° 7	18°14	3°54	8°24	13°57	5°D11	5°25	11°20	n.a.	T 28
W29	10 10 2	4♓31'47	14♓49	11♒32	19♑11	12♑48	20♋ 3	18♊14	3♑56	8♓26	13♑59	5♍12	5♍22	11♓26	n.a.	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s50	9s27	0s 5	11s37	2n13	17s16	6n27	23s59	0s31	22n53	1n 7	22n50	0s26	24s 5	0s22	10s20	1s33	30s22	7s20	9n41	9n 6	8s40		n.a.
T 2	18 34	5 53	1 9	11 15	2 28	17 23	6 21	24 3	0 32	22 55	1 7	22 50	0 25	24 5	0 22	10 19	1 33	30 22	7 20	9 41	9 8	8 39		n.a.
F 3	18 18	2 7	2 10	10 56	2 42	17 29	6 15	24 6	0 32	22 56	1 7	22 50	0 25	24 5	0 22	10 18	1 33	30 22	7 20	9 40	9 9	8 37		n.a.
S 4	18 2	1n46	3 7	10 42	2 55	17 35	6 8	24 9	0 33	22 57	1 7	22 50	0 25	24 5	0 22	10 18	1 33	30 22	7 20	9 40	9 10	8 35		n.a.
S 5	17 46	5 37	3 56	10 31	3 7	17 41	6 1	24 12	0 34	22 58	1 7	22 50	0 25	24 5	0 22	10 17	1 33	30 22	7 20	9 39	9 11	8 34		n.a.
M 6	17 29	9 18	4 35	10 25	3 18	17 48	5 54	24 15	0 35	23 0	1 7	22 50	0 25	24 5	0 22	10 16	1 33	30 22	7 21	9 39	9 12	8 32		n.a.
T 7	17 12	12 39	5 2	10 22	3 27	17 54	5 47	24 17	0 36	23 1	1 7	22 50	0 25	24 5	0 22	10 15	1 33	30 22	7 21	9 39	9 14	8 30		n.a.
W 8	16 55	15 31	5 15	10 24	3 35	18 0	5 40	24 19	0 37	23 2	1 7	22 50	0 25	24 5	0 22	10 14	1 33	30 22	7 21	9 39	9 15	8 28		n.a.
T 9	16 37	17 40	5 12	10 30	3 41	18 7	5 32	24 21	0 38	23 3	1 7	22 50	0 24	24 5	0 22	10 14	1 33	30 22	7 21	9 40	9 16	8 27		n.a.
F 10	16 20	18 53	4 51	10 39	3 46	18 13	5 25	24 23	0 38	23 4	1 7	22 50	0 24	24 5	0 22	10 13	1 33	30 22	7 21	9 41	9 17	8 25		n.a.
S 11	16 2	18 58	4 12	10 51	3 48	18 19	5 18	24 24	0 39	23 5	1 7	22 50	0 24	24 4	0 22	10 12	1 33	30 22	7 21	9 42	9 18	8 23		n.a.
S 12	15 43	17 48	3 16	11 7	3 49	18 25	5 10	24 25	0 40	23 6	1 7	22 50	0 24	24 4	0 22	10 11	1 33	30 22	7 22	9 43	9 20	8 22		n.a.
M13	15 25	15 24	2 5	11 26	3 47	18 30	5 2	24 26	0 41	23 7	1 7	22 50	0 24	24 4	0 22	10 10	1 33	30 22	7 22	9 43	9 21	8 20		n.a.
T 14	15 6	11 55	0 44	11 46	3 44	18 36	4 55	24 26	0 42	23 8	1 7	22 50	0 24	24 4	0 22	10 10	1 33	30 22	7 22	9 44	9 22	8 18		n.a.
W15	14 47	7 38	0n40	12 9	3 39	18 41	4 47	24 26	0 43	23 9	1 7	22 50	0 23	24 4	0 22	10 9	1 33	30 22	7 22	9 44	9 23	8 16		n.a.
T 16	14 27	2 54	2 0	12 32	3 32	18 46	4 40	24 26	0 44	23 10	1 7	22 50	0 23	24 4	0 22	10 8	1 33	30 22	7 22	9 43	9 24	8 15		n.a.
F 17	14 8	1s55	3 11	12 57	3 23	18 51	4 32	24 26	0 44	23 11	1 7	22 50	0 23	24 4	0 22	10 7	1 33	30 22	7 23	9 43	9 25	8 13		n.a.
S 18	13 48	6 30	4 8	13 22	3 13	18 56	4 24	24 25	0 45	23 12	1 7	22 50	0 23	24 4	0 22	10 6	1 33	30 22	7 23	9 43	9 27	8 11		n.a.
S 19	13 28	10 36	4 49	13 46	3 1	19 0	4 17	24 25	0 46	23 13	1 7	22 50	0 23	24 4	0 22	10 5	1 33	30 22	7 23	9 42	9 28	8 10		n.a.
M20	13 8	14 0	5 12	14 11	2 49	19 4	4 9	24 24	0 47	23 14	1 7	22 50	0 23	24 4	0 22	10 4	1 33	30 22	7 23	9 42	9 29	8 8		n.a.
T 21	12 48	16 36	5 17	14 35	2 35	19 7	4 1	24 22	0 48	23 15	1 7	22 50	0 23	24 4	0 22	10 4	1 33	30 22	7 23	9 42	9 30	8 6		n.a.
W22	12 27	18 17	5 7	14 57	2 21	19 10	3 54	24 21	0 49	23 15	1 7	22 51	0 22	24 4	0 22	10 3	1 33	30 22	7 23	9 43	9 31	8 4		n.a.
T 23	12 6	19 1	4 42	15 19	2 7	19 13	3 46	24 19	0 50	23 16	1 7	22 51	0 22	24 4	0 22	10 2	1 33	30 22	7 24	9 43	9 33	8 3		n.a.
F 24	11 45	18 50	4 4	15 39	1 52	19 16	3 39	24 17	0 51	23 17	1 7	22 51	0 22	24 4	0 22	10 1	1 33	30 22	7 24	9 43	9 34	8 1		n.a.
S 25	11 24	17 46	3 16	15 58	1 37	19 18	3 31	24 14	0 51	23 17	1 7	22 51	0 22	24 4	0 22	10 0	1 33	30 22	7 24	9 43	9 35	7 59		n.a.
S 26	11 3	15 55	2 19	16 15	1 22	19 19	3 24	24 12	0 52	23 18	1 7	22 51	0 22	24 4	0 22	9 59	1 33	30 22	7 24	9 44	9 36	7 57		n.a.
M27	10 42	13 24	1 17	16 30	1 8	19 21	3 16	24 9	0 53	23 19	1 7	22 51	0 22	24 4	0 22	9 59	1 33	30 22	7 25	9 44	9 37	7 56		n.a.
T 28	10 20	10 20	0 12	16 44	0 53	19 21	3 9	24 5	0 54	23 19	1 7	22 52	0 22	24 4	0 22	9 58	1 33	30 22	7 25	9 44	9 39	7 54		n.a.
W29	9s58	6s52	0s53	16s56	0n39	19s22	3n 1	24s 2	0s55	23n20	1n 7	22n52	0s21	24s 4	0s22	9s57	1s33	30s22	7s25	9n44	9n40	7s52		n.a.

Julian Day Number = 1560378.5, Delta T = 04h24m36s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'42, Lahiri = -10°02'41 Julian Calendar 1 Feb. 441 BCE == Greg. Calendar 27 Jan. 441 BCE

The year -440 astronomical counting style corresponds to year 441 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

MARCH 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 13 59	5♓30'49	26♓36	11♒44	20♑ 3	13♑34	19°R59	18♊15	3♑58	8♓28	14♑ 0	5°R12	5♍19	11♓33	n.a.	T 1
F 2	10 17 55	6°29'50	8♈26	12° 2	20°55	14°19	19♋56	18°16	4° 0	8°31	14° 1	5♍11	5°16	11°40	n.a.	F 2
S 3	10 21 52	7°28'48	20°21	12°24	21°47	15° 5	19°52	18°17	4° 2	8°33	14° 2	5°11	5°13	11°46	n.a.	S 3
S 4	10 25 48	8°27'45	2♉25	12°51	22°41	15°50	19°49	18°18	4° 4	8°35	14° 4	5°11	5° 9	11°53	n.a.	S 4
M 5	10 29 45	9°26'38	14°40	13°22	23°35	16°36	19°46	18°19	4° 6	8°37	14° 5	5°10	5° 6	11°59	n.a.	M 5
T 6	10 33 41	10°25'30	27°11	13°57	24°29	17°21	19°43	18°20	4° 8	8°40	14° 6	5°10	5° 3	12° 6	n.a.	T 6
W 7	10 37 38	11°24'19	10♊ 0	14°37	25°24	18° 7	19°40	18°21	4°10	8°42	14° 7	5°D10	5° 0	12°13	n.a.	W 7
T 8	10 41 34	12°23'06	23°12	15°20	26°19	18°52	19°38	18°23	4°11	8°44	14° 8	5°10	4°57	12°19	n.a.	T 8
F 9	10 45 31	13°21'50	6♋49	16° 6	27°15	19°38	19°35	18°24	4°13	8°46	14° 9	5°10	4°54	12°26	n.a.	F 9
S 10	10 49 28	14°20'32	20°52	16°56	28°12	20°23	19°33	18°26	4°15	8°49	14°10	5°11	4°50	12°33	n.a.	S 10
S 11	10 53 24	15°19'12	5♌20	17°50	29° 9	21° 9	19°31	18°27	4°17	8°51	14°11	5°12	4°47	12°39	n.a.	S 11
M12	10 57 21	16°17'49	20°11	18°46	0♒ 6	21°54	19°29	18°29	4°18	8°53	14°12	5°13	4°44	12°46	n.a.	M12
T 13	11 1 17	17°16'24	5♍16	19°45	1° 4	22°40	19°28	18°31	4°20	8°55	14°13	5°R13	4°41	12°53	n.a.	T 13
W14	11 5 14	18°14'57	20°30	20°47	2° 2	23°25	19°26	18°33	4°21	8°58	14°14	5°13	4°38	12°59	n.a.	W14
T 15	11 9 10	19°13'28	5♎40	21°52	3° 0	24°11	19°25	18°35	4°23	9° 0	14°15	5°12	4°35	13° 6	n.a.	T 15
F 16	11 13 7	20°11'57	20°39	22°59	3°59	24°56	19°24	18°38	4°24	9° 2	14°16	5°10	4°31	13°13	n.a.	F 16
S 17	11 17 3	21°10'24	5♏19	24° 9	4°59	25°42	19°23	18°40	4°26	9° 4	14°17	5° 8	4°28	13°19	n.a.	S 17
S 18	11 21 0	22° 8'50	19°33	25°21	5°58	26°27	19°22	18°42	4°27	9° 7	14°18	5° 6	4°25	13°26	n.a.	S 18
M19	11 24 56	23° 7'13	3♐20	26°35	6°58	27°13	19°22	18°45	4°28	9° 9	14°19	5° 4	4°22	13°32	n.a.	M19
T 20	11 28 53	24° 5'35	16°39	27°52	7°59	27°58	19°21	18°48	4°30	9°11	14°20	5° 4	4°19	13°39	n.a.	T 20
W21	11 32 50	25° 3'56	29°33	29°10	9° 0	28°43	19°D21	18°50	4°31	9°13	14°20	5°D 3	4°15	13°46	n.a.	W21
T 22	11 36 46	26° 2'15	12♑ 6	0♓31	10° 1	29°29	19°21	18°53	4°32	9°15	14°21	5° 4	4°12	13°52	n.a.	T 22
F 23	11 40 43	27° 0'32	24°21	1°54	11° 2	0♒14	19°22	18°56	4°33	9°18	14°22	5° 5	4° 9	13°59	n.a.	F 23
S 24	11 44 39	27°58'47	6♒23	3°19	12° 3	1° 0	19°22	18°59	4°34	9°20	14°23	5° 7	4° 6	14° 6	n.a.	S 24
S 25	11 48 36	28°57'01	18°16	4°46	13° 5	1°45	19°23	19° 2	4°35	9°22	14°23	5° 9	4° 3	14°12	n.a.	S 25
M26	11 52 32	29°55'13	0♓ 4	6°15	14° 8	2°30	19°23	19° 5	4°36	9°24	14°24	5°R10	4° 0	14°19	n.a.	M26
T 27	11 56 29	0♈53'23	11°50	7°46	15°10	3°16	19°24	19° 9	4°37	9°26	14°25	5° 9	3°56	14°26	n.a.	T 27
W28	12 0 25	1°51'32	23°38	9°18	16°13	4° 1	19°25	19°12	4°38	9°28	14°25	5° 8	3°53	14°32	n.a.	W28
T 29	12 4 22	2°49'39	5♈29	10°53	17°16	4°46	19°27	19°16	4°39	9°31	14°26	5° 5	3°50	14°39	n.a.	T 29
F 30	12 8 19	3°47'44	17°25	12°29	18°19	5°32	19°28	19°19	4°40	9°33	14°27	5° 1	3°47	14°46	n.a.	F 30
S 31	12 12 15	4♈45'47	29♈30	14♓ 7	19♒22	6♒17	19♋30	19♊23	4♑40	9♓35	14♑27	4♍57	3♍44	14♓52	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	9s36	3s 9	1s56	17s 5	0n25	19s22	2n54	23s58	0s56	23n20	1n 7	22n52	0s21	24s 4	0s22	9s56	1s33	30s23	7s25	9n44	9n41	7s50			n.a.
F 2	9 14	0n43	2 55	17 14	0 11	19 21	2 47	23 54	0 57	23 21	1 7	22 52	0 21	24 4	0 22	9 55	1 33	30 23	7 25	9 44	9 42	7 49			n.a.
S 3	8 52	4 34	3 46	17 20	0s 2	19 20	2 40	23 50	0 58	23 21	1 7	22 52	0 21	24 4	0 23	9 54	1 33	30 23	7 26	9 44	9 43	7 47			n.a.
S 4	8 30	8 17	4 28	17 24	0 15	19 18	2 32	23 46	0 58	23 22	1 7	22 53	0 21	24 4	0 23	9 53	1 33	30 23	7 26	9 44	9 44	7 45			n.a.
M 5	8 8	11 42	4 58	17 27	0 27	19 16	2 25	23 41	0 59	23 22	1 7	22 53	0 21	24 3	0 23	9 53	1 33	30 23	7 26	9 44	9 46	7 43			n.a.
T 6	7 45	14 40	5 15	17 28	0 39	19 14	2 18	23 36	1 0	23 22	1 7	22 53	0 21	24 3	0 23	9 52	1 33	30 23	7 26	9 44	9 47	7 42			n.a.
W 7	7 23	17 1	5 17	17 27	0 50	19 11	2 11	23 31	1 1	23 23	1 6	22 53	0 21	24 3	0 23	9 51	1 33	30 23	7 27	9 44	9 48	7 40			n.a.
T 8	7 0	18 32	5 2	17 24	1 0	19 7	2 5	23 25	1 2	23 23	1 6	22 54	0 20	24 3	0 23	9 50	1 33	30 23	7 27	9 44	9 49	7 38			n.a.
F 9	6 37	19 4	4 31	17 20	1 10	19 3	1 58	23 19	1 3	23 23	1 6	22 54	0 20	24 3	0 23	9 49	1 33	30 23	7 27	9 44	9 50	7 36			n.a.
S 10	6 14	18 26	3 42	17 13	1 20	18 59	1 51	23 13	1 4	23 24	1 6	22 54	0 20	24 3	0 23	9 48	1 33	30 23	7 27	9 44	9 51	7 35			n.a.
S 11	5 51	16 37	2 39	17 5	1 29	18 53	1 44	23 7	1 4	23 24	1 6	22 54	0 20	24 3	0 23	9 47	1 33	30 24	7 27	9 43	9 53	7 33			n.a.
M12	5 28	13 38	1 23	16 56	1 37	18 48	1 38	23 1	1 5	23 24	1 6	22 55	0 20	24 3	0 23	9 47	1 33	30 24	7 28	9 43	9 54	7 31			n.a.
T 13	5 5	9 42	0n 0	16 44	1 45	18 42	1 31	22 54	1 6	23 24	1 6	22 55	0 20	24 3	0 23	9 46	1 33	30 24	7 28	9 43	9 55	7 29			n.a.
W14	4 42	5 6	1 24	16 31	1 52	18 35	1 25	22 47	1 7	23 24	1 6	22 55	0 20	24 3	0 23	9 45	1 33	30 24	7 28	9 43	9 56	7 27			n.a.
T 15	4 19	0 11	2 41	16 16	1 59	18 28	1 18	22 40	1 8	23 24	1 6	22 56	0 19	24 3	0 23	9 44	1 33	30 24	7 28	9 44	9 57	7 26			n.a.
F 16	3 56	4s41	3 46	15 59	2 5	18 20	1 12	22 33	1 9	23 24	1 6	22 56	0 19	24 3	0 23	9 43	1 33	30 24	7 29	9 44	9 59	7 24			n.a.
S 17	3 33	9 9	4 35	15 41	2 10	18 12	1 6	22 25	1 10	23 24	1 6	22 56	0 19	24 3	0 23	9 42	1 33	30 24	7 29	9 45	10 0	7 22			n.a.
S 18	3 9	12 57	5 5	15 21	2 15	18 3	1 0	22 17	1 10	23 24	1 6	22 57	0 19	24 3	0 23	9 42	1 33	30 25	7 29	9 46	10 1	7 20			n.a.
M19	2 46	15 55	5 16	15 0	2 20	17 54	0 54	22 9	1 11	23 24	1 5	22 57	0 19	24 3	0 23	9 41	1 33	30 25	7 29	9 46	10 2	7 19			n.a.
T 20	2 22	17 55	5 10	14 36	2 23	17 44	0 48	22 1	1 12	23 24	1 5	22 57	0 19	24 3	0 23	9 40	1 33	30 25	7 30	9 47	10 3	7 17			n.a.
W21	1 59	18 57	4 48	14 12	2 27	17 34	0 42	21 52	1 13	23 24	1 5	22 58	0 19	24 3	0 23	9 39	1 33	30 25	7 30	9 47	10 4	7 15			n.a.
T 22	1 36	18 59	4 13	13 45	2 29	17 23	0 36	21 43	1 14	23 24	1 5	22 58	0 18	24 3	0 23	9 38	1 33	30 25	7 30	9 46	10 6	7 13			n.a.
F 23	1 12	18 8	3 27	13 17	2 31	17 11	0 31	21 34	1 15	23 24	1 5	22 58	0 18	24 3	0 23	9 37	1 33	30 25	7 31	9 46	10 7	7 11			n.a.
S 24	0 49	16 28	2 32	12 47	2 33	17 0	0 25	21 25	1 16	23 24	1 5	22 59	0 18	24 3	0 23	9 37	1 33	30 25	7 31	9 45	10 8	7 10			n.a.
S 25	0 25	14 6	1 32	12 16	2 34	16 47	0 20	21 16	1 16	23 24	1 5	22 59	0 18	24 3	0 23	9 36	1 33	30 26	7 31	9 45	10 9	7 8			n.a.
M26	0 2	11 9	0 28	11 43	2 34	16 34	0 14	21 6	1 17	23 24	1 5	23 0	0 18	24 3	0 23	9 35	1 33	30 26	7 31	9 44	10 10	7 6			n.a.
T 27	0n21	7 47	0s37	11 9	2 34	16 21	0 9	20 56	1 18	23 23	1 5	23 0	0 18	24 3	0 23	9 34	1 33	30 26	7 32	9 44	10 11	7 4			n.a.
W28	0 45	4 5	1 40	10 33	2 33	16 7	0 4	20 46	1 19	23 23	1 5	23 0	0 18	24 3	0 23	9 33	1 33	30 26	7 32	9 45	10 13	7 2			n.a.
T 29	1 8	0 13	2 39	9 55	2 32	15 53	0s 1	20 36	1 20	23 23	1 4	23 1	0 18	24 3	0 23	9 33	1 33	30 26	7 32	9 46	10 14	7 1			n.a.
F 30	1 32	3n40	3 32	9 16	2 30	15 38	0 6	20 26	1 20	23 22	1 4	23 1	0 17	24 3	0 23	9 32	1 33	30 27	7 32	9 47	10 15	6 59			n.a.
S 31	1n55	7n28	4s15	8s36	2s28	15s22	0s11	20s15	1s21	23n22	1n 4	23n 2	0s17	24s 3	0s23	9s31	1s34	30s27	7s33	9n49	10n16	6s57			n.a.

Julian Day Number = 1560407.5, Delta T = 04h24m35s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'38, Lahiri = -10°02'38 Julian Calendar 1 March 441 BCE == Greg. Calendar 25 Feb. 441 BCE

The year -440 astronomical counting style corresponds to year 441 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

APRIL 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 16 12	5♈43'48	11♉43	15♓47	20♒26	7♒ 2	19♋32	19♊27	4♑41	9♓37	14♑28	4°R51	3♍40	14♓59	n.a.	S 1
M 2	12 20 8	6°41'48	24° 8	17°29	21°30	7°47	19°34	19°31	4°42	9°39	14°28	4♍46	3°37	15° 6	n.a.	M 2
T 3	12 24 5	7°39'45	6♊45	19°13	22°34	8°32	19°36	19°35	4°42	9°41	14°29	4°42	3°34	15°12	n.a.	T 3
W 4	12 28 1	8°37'41	19°38	20°59	23°38	9°18	19°39	19°39	4°43	9°43	14°29	4°39	3°31	15°19	n.a.	W 4
T 5	12 31 58	9°35'35	2♋48	22°47	24°42	10° 3	19°41	19°43	4°43	9°45	14°29	4°37	3°28	15°25	n.a.	T 5
F 6	12 35 54	10°33'27	16°19	24°36	25°47	10°48	19°44	19°47	4°44	9°47	14°30	4°D37	3°25	15°32	n.a.	F 6
S 7	12 39 51	11°31'17	0♌10	26°28	26°52	11°33	19°47	19°51	4°44	9°49	14°30	4°38	3°21	15°39	n.a.	S 7
S 8	12 43 48	12°29'05	14°23	28°21	27°57	12°18	19°50	19°56	4°44	9°51	14°31	4°40	3°18	15°45	n.a.	S 8
M 9	12 47 44	13°26'51	28°57	0♈16	29° 2	13° 3	19°53	20° 0	4°45	9°53	14°31	4°R41	3°15	15°52	n.a.	M 9
T 10	12 51 41	14°24'35	13♍48	2°13	0♓ 7	13°48	19°57	20° 5	4°45	9°55	14°31	4°40	3°12	15°59	n.a.	T 10
W11	12 55 37	15°22'18	28°49	4°12	1°13	14°33	20° 0	20°10	4°45	9°57	14°31	4°39	3° 9	16° 5	n.a.	W11
T 12	12 59 34	16°19'59	13♎54	6°12	2°18	15°18	20° 4	20°14	4°45	9°59	14°32	4°35	3° 6	16°12	n.a.	T 12
F 13	13 3 30	17°17'38	28°52	8°14	3°24	16° 3	20° 8	20°19	4°45	10° 1	14°32	4°29	3° 2	16°19	n.a.	F 13
S 14	13 7 27	18°15'17	13♏35	10°18	4°30	16°47	20°12	20°24	4°R45	10° 3	14°32	4°23	2°59	16°25	n.a.	S 14
S 15	13 11 23	19°12'54	27°55	12°24	5°36	17°32	20°16	20°29	4°45	10° 4	14°32	4°16	2°56	16°32	n.a.	S 15
M16	13 15 20	20°10'30	11♐49	14°30	6°42	18°17	20°21	20°34	4°45	10° 6	14°32	4°10	2°53	16°39	n.a.	M16
T 17	13 19 16	21° 8'04	25°15	16°39	7°49	19° 2	20°25	20°39	4°45	10° 8	14°32	4° 5	2°50	16°45	n.a.	T 17
W18	13 23 13	22° 5'38	8♑13	18°48	8°55	19°46	20°30	20°44	4°45	10°10	14°33	4° 3	2°46	16°52	n.a.	W18
T 19	13 27 10	23° 3'11	20°48	20°58	10° 2	20°31	20°35	20°50	4°45	10°12	14°33	4°D 2	2°43	16°59	n.a.	T 19
F 20	13 31 6	24° 0'42	3♒ 3	23° 9	11° 9	21°16	20°40	20°55	4°45	10°13	14°R33	4° 2	2°40	17° 5	n.a.	F 20
S 21	13 35 3	24°58'13	15° 3	25°20	12°16	22° 0	20°45	21° 0	4°44	10°15	14°33	4° 3	2°37	17°12	n.a.	S 21
S 22	13 38 59	25°55'43	26°54	27°31	13°23	22°45	20°50	21° 6	4°44	10°17	14°33	4° 4	2°34	17°19	n.a.	S 22
M23	13 42 56	26°53'11	8♓41	29°43	14°30	23°29	20°56	21°11	4°44	10°19	14°33	4°R 4	2°31	17°25	n.a.	M23
T 24	13 46 52	27°50'39	20°28	1♉54	15°38	24°14	21° 2	21°17	4°43	10°20	14°32	4° 3	2°27	17°32	n.a.	T 24
W25	13 50 49	28°48'06	2♈19	4° 4	16°45	24°58	21° 7	21°23	4°43	10°22	14°32	3°59	2°24	17°38	n.a.	W25
T 26	13 54 45	29°45'31	14°16	6°14	17°53	25°42	21°13	21°28	4°42	10°24	14°32	3°53	2°21	17°45	n.a.	T 26
F 27	13 58 42	0♉42'56	26°22	8°22	19° 0	26°27	21°19	21°34	4°41	10°25	14°32	3°45	2°18	17°52	n.a.	F 27
S 28	14 2 39	1°40'20	8♉39	10°29	20° 8	27°11	21°26	21°40	4°41	10°27	14°32	3°35	2°15	17°58	n.a.	S 28
S 29	14 6 35	2°37'42	21° 8	12°35	21°16	27°55	21°32	21°46	4°40	10°28	14°32	3°24	2°11	18° 5	n.a.	S 29
M30	14 10 32	3♉35'04	3♊48	14♉38	22♓24	28♒39	21♋39	21♊52	4♑39	10♓30	14♑31	3♍14	2♍ 8	18♓12	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n18	10n59	4s48	7s54	2s25	15s 7	0s16	20s 4	1s22	23n22	1n 4	23n 2	0s17	24s 3	0s23	9s30	1s34	30s27	7s33	9n51	10n17	6s55		n.a.
M 2	2 41	14 5	5 7	7 10	2 22	14 50	0 20	19 53	1 23	23 21	1 4	23 3	0 17	24 3	0 23	9 30	1 34	30 27	7 33	9 53	10 18	6 53		n.a.
T 3	3 5	16 35	5 12	6 25	2 18	14 34	0 25	19 42	1 24	23 21	1 4	23 3	0 17	24 3	0 23	9 29	1 34	30 27	7 33	9 55	10 20	6 52		n.a.
W 4	3 28	18 19	5 2	5 39	2 13	14 17	0 29	19 31	1 24	23 20	1 4	23 3	0 17	24 3	0 23	9 28	1 34	30 28	7 34	9 56	10 21	6 50		n.a.
T 5	3 51	19 7	4 36	4 51	2 8	13 59	0 34	19 19	1 25	23 20	1 4	23 4	0 17	24 3	0 23	9 27	1 34	30 28	7 34	9 56	10 22	6 48		n.a.
F 6	4 14	18 52	3 54	4 2	2 2	13 41	0 38	19 8	1 26	23 19	1 4	23 4	0 17	24 3	0 23	9 27	1 34	30 28	7 34	9 56	10 23	6 46		n.a.
S 7	4 37	17 29	2 57	3 12	1 56	13 23	0 42	18 56	1 27	23 19	1 4	23 5	0 16	24 3	0 23	9 26	1 34	30 28	7 35	9 56	10 24	6 44		n.a.
S 8	5 0	15 0	1 48	2 20	1 50	13 4	0 46	18 44	1 28	23 18	1 3	23 5	0 16	24 3	0 23	9 25	1 34	30 29	7 35	9 55	10 25	6 43		n.a.
M 9	5 22	11 30	0 31	1 27	1 42	12 44	0 50	18 31	1 28	23 18	1 3	23 6	0 16	24 3	0 24	9 24	1 34	30 29	7 35	9 55	10 27	6 41		n.a.
T 10	5 45	7 13	0n49	0 33	1 35	12 25	0 54	18 19	1 29	23 17	1 3	23 6	0 16	24 3	0 24	9 24	1 34	30 29	7 35	9 55	10 28	6 39		n.a.
W11	6 8	2 25	2 8	0n22	1 27	12 5	0 58	18 6	1 30	23 16	1 3	23 7	0 16	24 3	0 24	9 23	1 34	30 29	7 36	9 56	10 29	6 37		n.a.
T 12	6 30	2s32	3 17	1 18	1 18	11 44	1 1	17 54	1 31	23 16	1 3	23 7	0 16	24 3	0 24	9 22	1 34	30 30	7 36	9 57	10 30	6 35		n.a.
F 13	6 53	7 17	4 12	2 15	1 9	11 24	1 5	17 41	1 31	23 15	1 3	23 8	0 16	24 3	0 24	9 22	1 34	30 30	7 36	9 59	10 31	6 33		n.a.
S 14	7 15	11 31	4 49	3 13	1 0	11 2	1 8	17 28	1 32	23 14	1 3	23 8	0 16	24 3	0 24	9 21	1 34	30 30	7 36	10 2	10 32	6 32		n.a.
S 15	7 37	14 58	5 7	4 11	0 50	10 41	1 12	17 15	1 33	23 14	1 3	23 9	0 15	24 3	0 24	9 20	1 34	30 30	7 37	10 4	10 33	6 30		n.a.
M16	7 59	17 26	5 7	5 10	0 40	10 19	1 15	17 1	1 34	23 13	1 3	23 9	0 15	24 3	0 24	9 19	1 34	30 31	7 37	10 6	10 35	6 28		n.a.
T 17	8 21	18 51	4 49	6 10	0 30	9 57	1 18	16 48	1 34	23 12	1 2	23 10	0 15	24 3	0 24	9 19	1 34	30 31	7 37	10 8	10 36	6 26		n.a.
W18	8 43	19 13	4 16	7 9	0 20	9 34	1 21	16 34	1 35	23 11	1 2	23 10	0 15	24 3	0 24	9 18	1 34	30 31	7 38	10 9	10 37	6 24		n.a.
T 19	9 4	18 37	3 32	8 9	0 9	9 12	1 24	16 21	1 36	23 10	1 2	23 10	0 15	24 3	0 24	9 18	1 34	30 31	7 38	10 9	10 38	6 22		n.a.
F 20	9 26	17 8	2 40	9 8	0n 1	8 48	1 27	16 7	1 36	23 10	1 2	23 11	0 15	24 3	0 24	9 17	1 34	30 32	7 38	10 9	10 39	6 21		n.a.
S 21	9 47	14 55	1 41	10 6	0 12	8 25	1 29	15 53	1 37	23 9	1 2	23 11	0 15	24 3	0 24	9 16	1 34	30 32	7 38	10 9	10 40	6 19		n.a.
S 22	10 8	12 6	0 39	11 4	0 22	8 1	1 32	15 39	1 38	23 8	1 2	23 12	0 15	24 3	0 24	9 16	1 34	30 32	7 39	10 9	10 42	6 17		n.a.
M23	10 30	8 48	0s25	12 1	0 33	7 37	1 34	15 25	1 39	23 7	1 2	23 12	0 15	24 4	0 24	9 15	1 34	30 32	7 39	10 9	10 43	6 15		n.a.
T 24	10 50	5 9	1 27	12 57	0 43	7 13	1 37	15 10	1 39	23 6	1 2	23 13	0 14	24 4	0 24	9 14	1 34	30 33	7 39	10 9	10 44	6 13		n.a.
W25	11 11	1 18	2 26	13 52	0 53	6 48	1 39	14 56	1 40	23 5	1 2	23 13	0 14	24 4	0 24	9 14	1 34	30 33	7 39	10 10	10 45	6 11		n.a.
T 26	11 32	2n39	3 19	14 45	1 2	6 24	1 41	14 41	1 41	23 4	1 2	23 14	0 14	24 4	0 24	9 13	1 35	30 33	7 40	10 13	10 46	6 10		n.a.
F 27	11 52	6 32	4 3	15 36	1 11	5 59	1 43	14 27	1 41	23 3	1 2	23 14	0 14	24 4	0 24	9 13	1 35	30 34	7 40	10 16	10 47	6 8		n.a.
S 28	12 12	10 12	4 37	16 25	1 20	5 34	1 45	14 12	1 42	23 2	1 1	23 15	0 14	24 4	0 24	9 12	1 35	30 34	7 40	10 19	10 49	6 6		n.a.
S 29	12 32	13 29	4 58	17 12	1 28	5 8	1 47	13 57	1 42	23 0	1 1	23 15	0 14	24 4	0 24	9 12	1 35	30 34	7 40	10 23	10 50	6 4		n.a.
M30	12n52	16n12	5s 4	17n57	1n35	4s43	1s48	13s42	1s43	22n59	1n 1	23n16	0s14	24s 4	0s24	9s11	1s35	30s34	7s41	10n27	10n51	6s 2		n.a.

Julian Day Number = 1560438.5, Delta T = 04h24m34s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'34, Lahiri = -10°02'33 Julian Calendar 1 Apr. 441 BCE == Greg. Calendar 27 March 441 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

MAY 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 14 28	4♉32'24	16♊41	16♉40	23♓32	29♒23	21♋45	21♊58	4°R39	10♓31	14°R31	3°R 5	2♍ 5	18♓18	n.a.	T 1
W 2	14 18 25	5°29'44	29°46	18°39	24°40	0♓ 7	21°52	22° 4	4♑38	10°33	14♑31	2♍58	2° 2	18°25	n.a.	W 2
T 3	14 22 21	6°27'02	13♋ 4	20°37	25°49	0°51	21°59	22°10	4°37	10°34	14°31	2°53	1°59	18°32	n.a.	T 3
F 4	14 26 18	7°24'19	26°36	22°32	26°57	1°35	22° 6	22°16	4°36	10°36	14°30	2°51	1°56	18°38	n.a.	F 4
S 5	14 30 14	8°21'35	10♌22	24°24	28° 6	2°19	22°13	22°23	4°35	10°37	14°30	2°D50	1°52	18°45	n.a.	S 5
S 6	14 34 11	9°18'50	24°25	26°15	29°14	3° 2	22°20	22°29	4°34	10°39	14°29	2°51	1°49	18°52	n.a.	S 6
M 7	14 38 8	10°16'04	8♍42	28° 2	0♈23	3°46	22°28	22°35	4°33	10°40	14°29	2°R51	1°46	18°58	n.a.	M 7
T 8	14 42 4	11°13'17	23°13	29°48	1°31	4°30	22°35	22°42	4°32	10°41	14°29	2°49	1°43	19° 5	n.a.	T 8
W 9	14 46 1	12°10'29	7♎54	1♊30	2°40	5°13	22°43	22°48	4°31	10°43	14°28	2°46	1°40	19°12	n.a.	W 9
T 10	14 49 57	13° 7'40	22°39	3°10	3°49	5°57	22°51	22°55	4°30	10°44	14°28	2°39	1°37	19°18	n.a.	T 10
F 11	14 53 54	14° 4'50	7♏21	4°48	4°58	6°40	22°59	23° 2	4°28	10°45	14°27	2°31	1°33	19°25	n.a.	F 11
S 12	14 57 50	15° 2'00	21°52	6°23	6° 7	7°23	23° 7	23° 8	4°27	10°46	14°27	2°20	1°30	19°32	n.a.	S 12
S 13	15 1 47	15°59'09	6♐ 6	7°55	7°16	8° 7	23°15	23°15	4°26	10°47	14°26	2°10	1°27	19°38	n.a.	S 13
M14	15 5 43	16°56'17	19°57	9°24	8°26	8°50	23°23	23°22	4°24	10°49	14°26	2° 0	1°24	19°45	n.a.	M14
T 15	15 9 40	17°53'26	3♑23	10°51	9°35	9°33	23°32	23°28	4°23	10°50	14°25	1°51	1°21	19°52	n.a.	T 15
W16	15 13 37	18°50'34	16°23	12°15	10°44	10°16	23°40	23°35	4°22	10°51	14°24	1°45	1°17	19°58	n.a.	W16
T 17	15 17 33	19°47'42	28°59	13°37	11°54	10°59	23°49	23°42	4°20	10°52	14°24	1°42	1°14	20° 5	n.a.	T 17
F 18	15 21 30	20°44'50	11♒15	14°56	13° 3	11°42	23°58	23°49	4°19	10°53	14°23	1°40	1°11	20°11	n.a.	F 18
S 19	15 25 26	21°41'57	23°17	16°11	14°13	12°25	24° 6	23°56	4°17	10°54	14°22	1°D40	1° 8	20°18	n.a.	S 19
S 20	15 29 23	22°39'05	5♓ 9	17°24	15°23	13° 8	24°15	24° 3	4°16	10°55	14°22	1°R40	1° 5	20°25	n.a.	S 20
M21	15 33 19	23°36'12	16°57	18°35	16°32	13°50	24°24	24°10	4°14	10°56	14°21	1°39	1° 2	20°31	n.a.	M21
T 22	15 37 16	24°33'20	28°46	19°42	17°42	14°33	24°34	24°17	4°12	10°57	14°20	1°37	0°58	20°38	n.a.	T 22
W23	15 41 12	25°30'27	10♈41	20°46	18°52	15°15	24°43	24°24	4°11	10°58	14°19	1°32	0°55	20°45	n.a.	W23
T 24	15 45 9	26°27'35	22°45	21°47	20° 2	15°58	24°52	24°31	4° 9	10°59	14°19	1°24	0°52	20°51	n.a.	T 24
F 25	15 49 6	27°24'42	5♉ 2	22°44	21°12	16°40	25° 2	24°39	4° 7	11° 0	14°18	1°14	0°49	20°58	n.a.	F 25
S 26	15 53 2	28°21'49	17°33	23°38	22°22	17°22	25°11	24°46	4° 5	11° 0	14°17	1° 2	0°46	21° 5	n.a.	S 26
S 27	15 56 59	29°18'57	0♊18	24°29	23°33	18° 4	25°21	24°53	4° 4	11° 1	14°16	0°49	0°43	21°11	n.a.	S 27
M28	16 0 55	0♊16'04	13°18	25°17	24°43	18°46	25°31	25° 0	4° 2	11° 2	14°15	0°37	0°39	21°18	n.a.	M28
T 29	16 4 52	1°13'11	26°32	26° 0	25°53	19°28	25°40	25° 8	4° 0	11° 3	14°14	0°25	0°36	21°25	n.a.	T 29
W30	16 8 48	2°10'18	9♋57	26°40	27° 3	20°10	25°50	25°15	3°58	11° 3	14°13	0°17	0°33	21°31	n.a.	W30
T 31	16 12 45	3♊ 7'25	23♋32	27♊16	28♈14	20♓52	26♋ 0	25♊22	3♑56	11♓ 4	14♑12	0♍11	0♍30	21♓38	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n12	18n10	4s56	18n39	1n42	4s17	1s50	13s27	1s44	22n58	1n 1	23n16	0s14	24s 4	0s24	9s10	1s35	30s35	7s41	10n30	10n52	6s 0		n.a.
W 2	13 31	19 13	4 32	19 20	1 48	3 51	1 52	13 12	1 44	22 57	1 1	23 17	0 14	24 4	0 24	9 10	1 35	30 35	7 41	10 33	10 53	5 58		n.a.
T 3	13 51	19 14	3 53	19 57	1 54	3 25	1 53	12 57	1 45	22 56	1 1	23 17	0 13	24 4	0 24	9 9	1 35	30 35	7 42	10 35	10 54	5 57		n.a.
F 4	14 10	18 9	3 1	20 33	1 58	2 58	1 54	12 41	1 46	22 54	1 1	23 18	0 13	24 4	0 24	9 9	1 35	30 36	7 42	10 35	10 55	5 55		n.a.
S 5	14 28	15 59	1 57	21 5	2 3	2 32	1 56	12 26	1 46	22 53	1 1	23 18	0 13	24 4	0 24	9 8	1 35	30 36	7 42	10 36	10 57	5 53		n.a.
S 6	14 47	12 51	0 45	21 36	2 6	2 5	1 57	12 11	1 47	22 52	1 1	23 19	0 13	24 4	0 24	9 8	1 35	30 36	7 42	10 35	10 58	5 51		n.a.
M 7	15 5	8 53	0n31	22 4	2 9	1 39	1 58	11 55	1 47	22 51	1 1	23 19	0 13	24 4	0 24	9 7	1 35	30 36	7 43	10 35	10 59	5 49		n.a.
T 8	15 23	4 21	1 46	22 29	2 10	1 12	1 59	11 39	1 48	22 49	1 1	23 20	0 13	24 4	0 24	9 7	1 35	30 37	7 43	10 36	11 0	5 47		n.a.
W 9	15 41	0s30	2 55	22 52	2 12	0 45	1 59	11 24	1 49	22 48	1 0	23 20	0 13	24 4	0 24	9 7	1 35	30 37	7 43	10 37	11 1	5 45		n.a.
T 10	15 59	5 20	3 52	23 13	2 12	0 18	2 0	11 8	1 49	22 46	1 0	23 21	0 13	24 4	0 24	9 6	1 35	30 37	7 43	10 40	11 2	5 43		n.a.
F 11	16 16	9 50	4 34	23 32	2 12	0n 9	2 1	10 52	1 50	22 45	1 0	23 21	0 13	24 5	0 24	9 6	1 35	30 38	7 44	10 43	11 3	5 42		n.a.
S 12	16 33	13 41	4 57	23 48	2 11	0 37	2 1	10 36	1 50	22 44	1 0	23 21	0 12	24 5	0 24	9 5	1 35	30 38	7 44	10 46	11 5	5 40		n.a.
S 13	16 50	16 39	5 1	24 2	2 9	1 4	2 2	10 21	1 51	22 42	1 0	23 22	0 12	24 5	0 24	9 5	1 35	30 38	7 44	10 50	11 6	5 38		n.a.
M14	17 7	18 35	4 48	24 14	2 7	1 31	2 2	10 5	1 51	22 41	1 0	23 22	0 12	24 5	0 24	9 4	1 35	30 39	7 44	10 54	11 7	5 36		n.a.
T 15	17 23	19 24	4 18	24 24	2 3	1 58	2 2	9 49	1 52	22 39	1 0	23 23	0 12	24 5	0 24	9 4	1 35	30 39	7 45	10 57	11 8	5 34		n.a.
W16	17 39	19 9	3 36	24 32	2 0	2 26	2 2	9 33	1 52	22 38	1 0	23 23	0 12	24 5	0 24	9 4	1 36	30 39	7 45	10 59	11 9	5 32		n.a.
T 17	17 55	17 57	2 44	24 38	1 55	2 53	2 2	9 16	1 53	22 36	1 0	23 24	0 12	24 5	0 24	9 3	1 36	30 40	7 45	11 1	11 10	5 30		n.a.
F 18	18 10	15 55	1 46	24 42	1 50	3 21	2 2	9 0	1 53	22 34	1 0	23 24	0 12	24 5	0 25	9 3	1 36	30 40	7 45	11 1	11 11	5 28		n.a.
S 19	18 25	13 14	0 44	24 45	1 44	3 48	2 2	8 44	1 54	22 33	1 0	23 25	0 12	24 5	0 25	9 3	1 36	30 40	7 46	11 1	11 13	5 27		n.a.
S 20	18 40	10 2	0s19	24 45	1 37	4 15	2 2	8 28	1 54	22 31	1 0	23 25	0 12	24 5	0 25	9 2	1 36	30 41	7 46	11 1	11 14	5 25		n.a.
M21	18 55	6 27	1 20	24 45	1 30	4 43	2 2	8 12	1 55	22 29	1 0	23 25	0 12	24 5	0 25	9 2	1 36	30 41	7 46	11 1	11 15	5 23		n.a.
T 22	19 9	2 37	2 18	24 42	1 22	5 10	2 1	7 56	1 55	22 28	1 0	23 26	0 11	24 5	0 25	9 2	1 36	30 41	7 46	11 2	11 16	5 21		n.a.
W23	19 23	1n21	3 11	24 39	1 14	5 37	2 1	7 39	1 56	22 26	0 59	23 26	0 11	24 5	0 25	9 1	1 36	30 42	7 47	11 4	11 17	5 19		n.a.
T 24	19 37	5 19	3 56	24 34	1 5	6 5	2 0	7 23	1 56	22 24	0 59	23 27	0 11	24 5	0 25	9 1	1 36	30 42	7 47	11 7	11 18	5 17		n.a.
F 25	19 50	9 7	4 30	24 27	0 55	6 32	2 0	7 7	1 57	22 22	0 59	23 27	0 11	24 6	0 25	9 1	1 36	30 42	7 47	11 10	11 19	5 15		n.a.
S 26	20 3	12 37	4 52	24 20	0 45	6 59	1 59	6 51	1 57	22 20	0 59	23 27	0 11	24 6	0 25	9 1	1 36	30 42	7 47	11 15	11 21	5 13		n.a.
S 27	20 16	15 35	5 0	24 11	0 34	7 26	1 58	6 34	1 57	22 19	0 59	23 28	0 11	24 6	0 25	9 0	1 36	30 43	7 47	11 19	11 22	5 11		n.a.
M28	20 28	17 50	4 53	24 2	0 22	7 53	1 57	6 18	1 58	22 17	0 59	23 28	0 11	24 6	0 25	9 0	1 36	30 43	7 48	11 24	11 23	5 10		n.a.
T 29	20 40	19 12	4 30	23 51	0 10	8 19	1 56	6 2	1 58	22 15	0 59	23 29	0 11	24 6	0 25	9 0	1 36	30 43	7 48	11 28	11 24	5 8		n.a.
W30	20 52	19 31	3 52	23 40	0s 2	8 46	1 55	5 45	1 59	22 13	0 59	23 29	0 11	24 6	0 25	9 0	1 36	30 44	7 48	11 31	11 25	5 6		n.a.
T 31	21n 3	18n42	3s 0	23n28	0s15	9n12	1s54	5s29	1s59	22n11	0n59	23n29	0s11	24s 6	0s25	8s59	1s36	30s44	7s48	11n33	11n26	5s 4		n.a.

Julian Day Number = 1560468.5, Delta T = 04h24m33s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'30, Lahiri = -10°02'29 Julian Calendar 1 May 441 BCE == Greg. Calendar 26 Apr. 441 BCE

The year -440 astronomical counting style corresponds to year 441 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

JUNE 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 16 42	4♊ 4'32	7♌16	27♊48	29♈24	21♓33	26♋11	25♊30	3°R54	11♓ 5	14°R11	0°R 7	0♍27	21♓45	n.a.	F 1
S 2	16 20 38	5° 1'39	21° 9	28°16	0♉35	22°15	26°21	25°37	3♉52	11° 5	14♉10	0♍ 6	0°23	21°51	n.a.	S 2
S 3	16 24 35	5°58'45	5♍10	28°39	1°45	22°56	26°31	25°45	3°50	11° 6	14° 9	0° 6	0°20	21°58	n.a.	S 3
M 4	16 28 31	6°55'51	19°18	28°58	2°56	23°38	26°41	25°52	3°48	11° 6	14° 8	0° 6	0°17	22° 5	n.a.	M 4
T 5	16 32 28	7°52'58	3♎33	29°13	4° 7	24°19	26°52	26° 0	3°46	11° 7	14° 7	0° 4	0°14	22°11	n.a.	T 5
W 6	16 36 24	8°50'04	17°53	29°23	5°18	25° 0	27° 2	26° 7	3°44	11° 7	14° 6	29♌59	0°11	22°18	n.a.	W 6
T 7	16 40 21	9°47'10	2♏13	29°28	6°28	25°41	27°13	26°15	3°42	11° 8	14° 5	29°53	0° 8	22°25	n.a.	T 7
F 8	16 44 17	10°44'16	16°31	29°R28	7°39	26°22	27°24	26°22	3°40	11° 8	14° 4	29°44	0° 4	22°31	n.a.	F 8
S 9	16 48 14	11°41'22	0♐40	29°24	8°50	27° 2	27°34	26°30	3°38	11° 8	14° 3	29°33	0° 1	22°38	n.a.	S 9
S 10	16 52 11	12°38'29	14°35	29°15	10° 1	27°43	27°45	26°37	3°35	11° 9	14° 2	29°22	29♌58	22°45	n.a.	S 10
M11	16 56 7	13°35'37	28°12	29° 1	11°12	28°24	27°56	26°45	3°33	11° 9	14° 1	29°11	29°55	22°51	n.a.	M11
T 12	17 0 4	14°32'44	11♑28	28°43	12°24	29° 4	28° 7	26°53	3°31	11° 9	14° 0	29° 2	29°52	22°58	n.a.	T 12
W13	17 4 0	15°29'53	24°22	28°20	13°35	29°44	28°18	27° 0	3°29	11° 9	13°59	28°55	29°49	23° 5	n.a.	W13
T 14	17 7 57	16°27'02	6♒56	27°53	14°46	0♈24	28°29	27° 8	3°26	11°10	13°58	28°51	29°45	23°11	n.a.	T 14
F 15	17 11 53	17°24'12	19°11	27°23	15°57	1° 4	28°40	27°16	3°24	11°10	13°56	28°49	29°42	23°18	n.a.	F 15
S 16	17 15 50	18°21'22	1♓13	26°49	17° 9	1°44	28°52	27°23	3°22	11°10	13°55	28°D49	29°39	23°24	n.a.	S 16
S 17	17 19 46	19°18'34	13° 6	26°12	18°20	2°24	29° 3	27°31	3°20	11°10	13°54	28°49	29°36	23°31	n.a.	S 17
M18	17 23 43	20°15'46	24°55	25°33	19°32	3° 4	29°14	27°39	3°17	11°10	13°53	28°R49	29°33	23°38	n.a.	M18
T 19	17 27 40	21°12'59	6♈46	24°53	20°43	3°43	29°26	27°46	3°15	11°10	13°52	28°48	29°29	23°44	n.a.	T 19
W20	17 31 36	22°10'13	18°44	24°11	21°55	4°23	29°37	27°54	3°13	11°R10	13°50	28°45	29°26	23°51	n.a.	W20
T 21	17 35 33	23° 7'28	0♉53	23°29	23° 6	5° 2	29°49	28° 2	3°10	11°10	13°49	28°39	29°23	23°58	n.a.	T 21
F 22	17 39 29	24° 4'44	13°17	22°47	24°18	5°41	0♌ 1	28°10	3° 8	11°10	13°48	28°31	29°20	24° 4	n.a.	F 22
S 23	17 43 26	25° 2'01	25°59	22° 7	25°30	6°20	0°12	28°17	3° 6	11°10	13°47	28°22	29°17	24°11	n.a.	S 23
S 24	17 47 22	25°59'20	9♊ 0	21°28	26°42	6°59	0°24	28°25	3° 3	11°10	13°45	28°11	29°14	24°18	n.a.	S 24
M25	17 51 19	26°56'39	22°19	20°52	27°54	7°37	0°36	28°33	3° 1	11°10	13°44	28° 1	29°10	24°24	n.a.	M25
T 26	17 55 16	27°53'59	5♋54	20°20	29° 5	8°16	0°48	28°41	2°58	11°10	13°43	27°52	29° 7	24°31	n.a.	T 26
W27	17 59 12	28°51'20	19°43	19°51	0♊17	8°54	1° 0	28°48	2°56	11° 9	13°41	27°45	29° 4	24°38	n.a.	W27
T 28	18 3 9	29°48'41	3♌42	19°27	1°30	9°32	1°12	28°56	2°54	11° 9	13°40	27°40	29° 1	24°44	n.a.	T 28
F 29	18 7 5	0♋46'04	17°48	19° 8	2°42	10°10	1°24	29° 4	2°51	11° 9	13°39	27°38	28°58	24°51	n.a.	F 29
S 30	18 11 2	1♋43'27	1♍58	18♊54	3♊54	10♈48	1♌36	29♊12	2♑49	11♓ 8	13♑38	27°D38	28♌55	24♓58	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n14	16n48	1s58	23n15	0s29	9n39	1s53	5s13	1s59	22n 9	0n59	23n30	0s10	24s 6	0s25	8s59	1s36	30s44	7s48	11n34	11n27	5s 2		n.a.
S 2	21 25	13 53	0 47	23 1	0 43	10 5	1 52	4 56	2 0	22 7	0 59	23 30	0 10	24 6	0 25	8 59	1 37	30 45	7 49	11 35	11 29	5 0		n.a.
S 3	21 35	10 9	0n27	22 47	0 57	10 31	1 50	4 40	2 0	22 5	0 59	23 30	0 10	24 6	0 25	8 59	1 37	30 45	7 49	11 35	11 30	4 58		n.a.
M 4	21 45	5 49	1 40	22 33	1 12	10 57	1 49	4 24	2 0	22 3	0 59	23 31	0 10	24 6	0 25	8 59	1 37	30 45	7 49	11 35	11 31	4 56		n.a.
T 5	21 54	1 7	2 47	22 18	1 27	11 22	1 47	4 8	2 1	22 1	0 59	23 31	0 10	24 6	0 25	8 59	1 37	30 46	7 49	11 36	11 32	4 54		n.a.
W 6	22 3	3s39	3 44	22 3	1 42	11 48	1 46	3 51	2 1	21 59	0 59	23 31	0 10	24 6	0 25	8 59	1 37	30 46	7 49	11 37	11 33	4 52		n.a.
T 7	22 12	8 13	4 27	21 48	1 57	12 13	1 44	3 35	2 1	21 57	0 59	23 32	0 10	24 7	0 25	8 58	1 37	30 46	7 50	11 39	11 34	4 50		n.a.
F 8	22 21	12 18	4 53	21 33	2 12	12 38	1 43	3 19	2 2	21 54	0 59	23 32	0 10	24 7	0 25	8 58	1 37	30 47	7 50	11 43	11 35	4 49		n.a.
S 9	22 29	15 38	5 1	21 17	2 27	13 2	1 41	3 3	2 2	21 52	0 59	23 32	0 10	24 7	0 25	8 58	1 37	30 47	7 50	11 46	11 36	4 47		n.a.
S 10	22 36	18 2	4 51	21 2	2 42	13 26	1 39	2 47	2 2	21 50	0 59	23 33	0 10	24 7	0 25	8 58	1 37	30 47	7 50	11 50	11 38	4 45		n.a.
M11	22 43	19 20	4 24	20 47	2 57	13 51	1 37	2 31	2 2	21 48	0 58	23 33	0 10	24 7	0 25	8 58	1 37	30 47	7 50	11 54	11 39	4 43		n.a.
T 12	22 50	19 32	3 43	20 33	3 11	14 14	1 35	2 15	2 3	21 45	0 58	23 33	0 9	24 7	0 25	8 58	1 37	30 48	7 51	11 57	11 40	4 41		n.a.
W13	22 57	18 42	2 52	20 19	3 25	14 38	1 33	1 59	2 3	21 43	0 58	23 33	0 9	24 7	0 25	8 58	1 37	30 48	7 51	12 0	11 41	4 39		n.a.
T 14	23 3	16 57	1 54	20 6	3 38	15 1	1 32	1 43	2 3	21 41	0 58	23 34	0 9	24 7	0 25	8 58	1 37	30 48	7 51	12 1	11 42	4 37		n.a.
F 15	23 8	14 27	0 51	19 53	3 50	15 24	1 29	1 27	2 3	21 38	0 58	23 34	0 9	24 7	0 25	8 58	1 37	30 49	7 51	12 2	11 43	4 35		n.a.
S 16	23 14	11 23	0s13	19 41	4 1	15 46	1 27	1 11	2 4	21 36	0 58	23 34	0 9	24 7	0 25	8 58	1 37	30 49	7 51	12 2	11 44	4 33		n.a.
S 17	23 19	7 53	1 15	19 30	4 11	16 9	1 25	0 55	2 4	21 34	0 58	23 34	0 9	24 7	0 25	8 58	1 37	30 49	7 51	12 2	11 46	4 31		n.a.
M18	23 23	4 6	2 14	19 20	4 20	16 30	1 23	0 40	2 4	21 31	0 58	23 35	0 9	24 7	0 25	8 58	1 38	30 50	7 52	12 2	11 47	4 29		n.a.
T 19	23 27	0 9	3 8	19 11	4 27	16 52	1 21	0 24	2 4	21 29	0 58	23 35	0 9	24 7	0 25	8 58	1 38	30 50	7 52	12 2	11 48	4 27		n.a.
W20	23 31	3n50	3 54	19 4	4 33	17 13	1 19	0 8	2 4	21 26	0 58	23 35	0 9	24 8	0 25	8 58	1 38	30 50	7 52	12 4	11 49	4 25		n.a.
T 21	23 34	7 43	4 29	18 58	4 37	17 34	1 16	0n 7	2 5	21 24	0 58	23 35	0 9	24 8	0 25	8 58	1 38	30 50	7 52	12 6	11 50	4 24		n.a.
F 22	23 37	11 22	4 53	18 53	4 40	17 54	1 14	0 23	2 5	21 21	0 58	23 35	0 9	24 8	0 25	8 58	1 38	30 51	7 52	12 8	11 51	4 22		n.a.
S 23	23 39	14 35	5 4	18 50	4 41	18 14	1 11	0 38	2 5	21 19	0 58	23 36	0 8	24 8	0 25	8 58	1 38	30 51	7 52	12 12	11 52	4 20		n.a.
S 24	23 41	17 10	4 59	18 49	4 40	18 33	1 9	0 54	2 5	21 16	0 58	23 36	0 8	24 8	0 25	8 59	1 38	30 51	7 52	12 15	11 53	4 18		n.a.
M25	23 43	18 54	4 37	18 49	4 37	18 52	1 7	1 9	2 5	21 14	0 58	23 36	0 8	24 8	0 25	8 59	1 38	30 52	7 53	12 19	11 55	4 16		n.a.
T 26	23 44	19 37	4 0	18 51	4 33	19 10	1 4	1 24	2 5	21 11	0 58	23 36	0 8	24 8	0 25	8 59	1 38	30 52	7 53	12 22	11 56	4 14		n.a.
W27	23 44	19 10	3 8	18 55	4 27	19 28	1 2	1 39	2 5	21 8	0 58	23 36	0 8	24 8	0 25	8 59	1 38	30 52	7 53	12 25	11 57	4 12		n.a.
T 28	23 45	17 33	2 5	19 0	4 20	19 46	0 59	1 55	2 5	21 6	0 58	23 37	0 8	24 8	0 25	8 59	1 38	30 52	7 53	12 26	11 58	4 10		n.a.
F 29	23 45	14 52	0 52	19 7	4 11	20 3	0 56	2 10	2 5	21 3	0 58	23 37	0 8	24 8	0 25	8 59	1 38	30 53	7 53	12 27	11 59	4 8		n.a.
S 30	23n44	11n16	0n23	19n16	4s 1	20n19	0s54	2n24	2s 5	21n 0	0n58	23n37	0s 8	24s 8	0s25	8s59	1s38	30s53	7s53	12n27	12n 0	4s 6		n.a.

Julian Day Number = 1560499.5, Delta T = 04h24m32s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'25, Lahiri = -10°02'25 Julian Calendar 1 June 441 BCE == Greg. Calendar 27 May 441 BCE

The year -440 astronomical counting style corresponds to year 441 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

JULY 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 14 58	2♋40'51	16♍ 8	18°R47	5♊ 6	11♈26	1♌48	29♊19	2°R46	11°R 8	13°R36	27♌38	28♌51	25♓ 4	n.a.	S 1
M 2	18 18 55	3°38'16	0♎18	18°D45	6°18	12° 3	2° 0	29°27	2♉44	11♓ 8	13♉35	27°R39	28°48	25°11	n.a.	M 2
T 3	18 22 51	4°35'42	14°27	18♊50	7°30	12°40	2°12	29°35	2°42	11° 7	13°34	27°39	28°45	25°18	n.a.	T 3
W 4	18 26 48	5°33'08	28°32	19° 1	8°43	13°17	2°24	29°43	2°39	11° 7	13°32	27°36	28°42	25°24	n.a.	W 4
T 5	18 30 45	6°30'35	12♏32	19°19	9°55	13°54	2°37	29°50	2°37	11° 6	13°31	27°32	28°39	25°31	n.a.	T 5
F 6	18 34 41	7°28'03	26°24	19°43	11° 8	14°31	2°49	29°58	2°34	11° 6	13°30	27°26	28°35	25°38	n.a.	F 6
S 7	18 38 38	8°25'33	10♐ 7	20°14	12°20	15° 8	3° 1	0♋ 6	2°32	11° 5	13°28	27°19	28°32	25°44	n.a.	S 7
S 8	18 42 34	9°23'03	23°37	20°52	13°33	15°44	3°14	0°14	2°30	11° 5	13°27	27°10	28°29	25°51	n.a.	S 8
M 9	18 46 31	10°20'35	6♑52	21°36	14°45	16°20	3°26	0°21	2°27	11° 4	13°25	27° 3	28°26	25°58	n.a.	M 9
T 10	18 50 27	11°18'08	19°51	22°27	15°58	16°56	3°39	0°29	2°25	11° 4	13°24	26°57	28°23	26° 4	n.a.	T 10
W11	18 54 24	12°15'42	2♒33	23°25	17°11	17°32	3°51	0°37	2°22	11° 3	13°23	26°52	28°20	26°11	n.a.	W11
T 12	18 58 20	13°13'18	14°58	24°28	18°23	18° 8	4° 4	0°44	2°20	11° 2	13°21	26°49	28°16	26°18	n.a.	T 12
F 13	19 2 17	14°10'55	27° 9	25°38	19°36	18°43	4°16	0°52	2°18	11° 1	13°20	26°D49	28°13	26°24	n.a.	F 13
S 14	19 6 14	15° 8'34	9♓ 9	26°53	20°49	19°18	4°29	0°59	2°15	11° 1	13°19	26°49	28°10	26°31	n.a.	S 14
S 15	19 10 10	16° 6'14	21° 1	28°14	22° 2	19°53	4°42	1° 7	2°13	11° 0	13°17	26°51	28° 7	26°38	n.a.	S 15
M16	19 14 7	17° 3'56	2♈50	29°40	23°15	20°28	4°54	1°15	2°11	10°59	13°16	26°52	28° 4	26°44	n.a.	M16
T 17	19 18 3	18° 1'40	14°41	1♋11	24°28	21° 2	5° 7	1°22	2° 9	10°58	13°15	26°R53	28° 0	26°51	n.a.	T 17
W18	19 22 0	18°59'26	26°40	2°47	25°41	21°37	5°20	1°30	2° 6	10°57	13°13	26°53	27°57	26°58	n.a.	W18
T 19	19 25 56	19°57'13	8♉50	4°27	26°54	22°11	5°33	1°37	2° 4	10°57	13°12	26°51	27°54	27° 4	n.a.	T 19
F 20	19 29 53	20°55'03	21°16	6°10	28° 7	22°45	5°45	1°45	2° 2	10°56	13°11	26°48	27°51	27°11	n.a.	F 20
S 21	19 33 49	21°52'54	4♊ 3	7°57	29°20	23°18	5°58	1°52	2° 0	10°55	13° 9	26°43	27°48	27°18	n.a.	S 21
S 22	19 37 46	22°50'47	17°11	9°46	0♋34	23°52	6°11	2° 0	1°57	10°54	13° 8	26°38	27°45	27°24	n.a.	S 22
M23	19 41 43	23°48'42	0♋42	11°38	1°47	24°25	6°24	2° 7	1°55	10°53	13° 7	26°33	27°41	27°31	n.a.	M23
T 24	19 45 39	24°46'38	14°35	13°32	3° 0	24°58	6°37	2°14	1°53	10°52	13° 5	26°28	27°38	27°38	n.a.	T 24
W25	19 49 36	25°44'37	28°46	15°27	4°14	25°30	6°50	2°22	1°51	10°51	13° 4	26°25	27°35	27°44	n.a.	W25
T 26	19 53 32	26°42'37	13♌10	17°24	5°27	26° 3	7° 3	2°29	1°49	10°50	13° 3	26°23	27°32	27°51	n.a.	T 26
F 27	19 57 29	27°40'38	27°42	19°22	6°41	26°35	7°16	2°36	1°47	10°48	13° 1	26°D22	27°29	27°58	n.a.	F 27
S 28	20 1 25	28°38'41	12♍15	21°20	7°54	27° 6	7°29	2°44	1°45	10°47	13° 0	26°23	27°26	28° 4	n.a.	S 28
S 29	20 5 22	29°36'46	26°46	23°18	9° 8	27°38	7°42	2°51	1°43	10°46	12°59	26°24	27°22	28°11	n.a.	S 29
M30	20 9 18	0♌34'52	11♎ 9	25°16	10°22	28° 9	7°55	2°58	1°41	10°45	12°58	26°25	27°19	28°18	n.a.	M30
T 31	20 13 15	1♌33'00	25♎22	27♋14	11♋35	28♈40	8♌ 8	3♋ 5	1♉39	10♓44	12♉56	26°R26	27♌16	28♓24	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	23n43	7n 2	1n38	19n26	3s50	20n35	0s51	2n39	2s 5	20n57	0n58	23n37	0s 8	24s 8	0s25	9s 0	1s38	30s53	7s53	12n27	12n 1	4s 4			n.a.
M 2	23 42	2 25	2 46	19 38	3 38	20 50	0 49	2 54	2 6	20 55	0 58	23 37	0 8	24 8	0 25	9 0	1 38	30 53	7 53	12 27	12 2	4 2			n.a.
T 3	23 40	2s19	3 45	19 52	3 25	21 5	0 46	3 9	2 6	20 52	0 58	23 37	0 8	24 8	0 25	9 0	1 38	30 54	7 54	12 27	12 3	4 0			n.a.
W 4	23 38	6 54	4 29	20 6	3 12	21 20	0 43	3 23	2 6	20 49	0 58	23 37	0 7	24 8	0 25	9 0	1 39	30 54	7 54	12 27	12 5	3 58			n.a.
T 5	23 35	11 5	4 57	20 22	2 57	21 33	0 41	3 38	2 6	20 46	0 58	23 37	0 7	24 8	0 25	9 1	1 39	30 54	7 54	12 29	12 6	3 56			n.a.
F 6	23 32	14 37	5 7	20 39	2 42	21 46	0 38	3 52	2 6	20 43	0 58	23 37	0 7	24 9	0 25	9 1	1 39	30 54	7 54	12 31	12 7	3 54			n.a.
S 7	23 28	17 19	5 0	20 56	2 27	21 59	0 35	4 6	2 6	20 40	0 58	23 38	0 7	24 9	0 25	9 1	1 39	30 55	7 54	12 34	12 8	3 52			n.a.
S 8	23 25	19 0	4 36	21 14	2 12	22 11	0 32	4 21	2 5	20 37	0 58	23 38	0 7	24 9	0 25	9 1	1 39	30 55	7 54	12 37	12 9	3 50			n.a.
M 9	23 20	19 37	3 57	21 33	1 56	22 22	0 30	4 35	2 5	20 35	0 58	23 38	0 7	24 9	0 25	9 2	1 39	30 55	7 54	12 39	12 10	3 48			n.a.
T 10	23 16	19 11	3 6	21 51	1 41	22 33	0 27	4 49	2 5	20 32	0 58	23 38	0 7	24 9	0 25	9 2	1 39	30 55	7 54	12 41	12 11	3 46			n.a.
W11	23 10	17 46	2 8	22 10	1 25	22 43	0 24	5 2	2 5	20 29	0 58	23 38	0 7	24 9	0 25	9 2	1 39	30 55	7 54	12 43	12 12	3 45			n.a.
T 12	23 5	15 32	1 4	22 28	1 10	22 52	0 21	5 16	2 5	20 26	0 58	23 38	0 7	24 9	0 25	9 2	1 39	30 56	7 54	12 44	12 14	3 43			n.a.
F 13	22 59	12 39	0s 2	22 46	0 54	23 1	0 19	5 30	2 5	20 23	0 58	23 38	0 7	24 9	0 25	9 3	1 39	30 56	7 54	12 44	12 15	3 41			n.a.
S 14	22 52	9 16	1 7	23 3	0 39	23 9	0 16	5 43	2 5	20 19	0 58	23 38	0 7	24 9	0 25	9 3	1 39	30 56	7 54	12 44	12 16	3 39			n.a.
S 15	22 46	5 34	2 8	23 19	0 25	23 17	0 13	5 57	2 5	20 16	0 58	23 38	0 7	24 9	0 25	9 4	1 39	30 56	7 54	12 43	12 17	3 37			n.a.
M16	22 38	1 39	3 3	23 34	0 11	23 24	0 11	6 10	2 5	20 13	0 58	23 38	0 6	24 9	0 25	9 4	1 39	30 56	7 55	12 43	12 18	3 35			n.a.
T 17	22 31	2n19	3 51	23 47	0n 2	23 30	0 8	6 23	2 5	20 10	0 58	23 38	0 6	24 9	0 25	9 4	1 39	30 57	7 55	12 43	12 19	3 33			n.a.
W18	22 23	6 13	4 30	23 58	0 15	23 35	0 5	6 37	2 4	20 7	0 58	23 38	0 6	24 9	0 25	9 5	1 39	30 57	7 55	12 43	12 20	3 31			n.a.
T 19	22 14	9 57	4 57	24 7	0 27	23 40	0 2	6 49	2 4	20 4	0 58	23 38	0 6	24 9	0 25	9 5	1 39	30 57	7 55	12 43	12 21	3 29			n.a.
F 20	22 6	13 19	5 10	24 14	0 38	23 44	0n 0	7 2	2 4	20 1	0 58	23 38	0 6	24 9	0 25	9 5	1 39	30 57	7 55	12 44	12 22	3 27			n.a.
S 21	21 57	16 10	5 9	24 19	0 48	23 48	0 3	7 15	2 4	19 58	0 58	23 38	0 6	24 9	0 25	9 6	1 39	30 57	7 55	12 46	12 24	3 25			n.a.
S 22	21 47	18 16	4 52	24 21	0 58	23 50	0 6	7 28	2 4	19 54	0 58	23 38	0 6	24 9	0 25	9 6	1 39	30 58	7 55	12 48	12 25	3 23			n.a.
M23	21 37	19 26	4 19	24 20	1 7	23 52	0 8	7 40	2 3	19 51	0 58	23 38	0 6	24 9	0 25	9 7	1 40	30 58	7 55	12 50	12 26	3 21			n.a.
T 24	21 27	19 28	3 29	24 17	1 15	23 54	0 11	7 53	2 3	19 48	0 58	23 38	0 6	24 9	0 25	9 7	1 40	30 58	7 55	12 51	12 27	3 19			n.a.
W25	21 16	18 18	2 26	24 11	1 22	23 54	0 13	8 5	2 3	19 45	0 58	23 38	0 6	24 9	0 25	9 8	1 40	30 58	7 55	12 52	12 28	3 17			n.a.
T 26	21 5	15 56	1 12	24 3	1 28	23 54	0 16	8 17	2 3	19 41	0 58	23 38	0 6	24 9	0 25	9 8	1 40	30 58	7 55	12 53	12 29	3 15			n.a.
F 27	20 54	12 33	0n 7	23 52	1 33	23 53	0 19	8 29	2 2	19 38	0 58	23 38	0 5	24 9	0 25	9 8	1 40	30 58	7 55	12 53	12 30	3 13			n.a.
S 28	20 42	8 23	1 26	23 38	1 37	23 51	0 21	8 41	2 2	19 35	0 58	23 38	0 5	24 9	0 25	9 9	1 40	30 59	7 55	12 53	12 31	3 11			n.a.
S 29	20 30	3 44	2 39	23 22	1 41	23 49	0 24	8 52	2 2	19 31	0 59	23 38	0 5	24 9	0 25	9 9	1 40	30 59	7 55	12 53	12 32	3 9			n.a.
M30	20 17	1s 4	3 42	23 3	1 44	23 46	0 26	9 4	2 2	19 28	0 59	23 38	0 5	24 9	0 25	9 10	1 40	30 59	7 55	12 52	12 33	3 7			n.a.
T 31	20n 4	5s45	4n30	22n42	1n46	23n42	0n28	9n15	2s 1	19n25	0n59	23n37	0s 5	24s 9	0s25	9s10	1s40	30s59	7s55	12n52	12n35	3s 5			n.a.

Julian Day Number = 1560529.5, Delta T = 04h24m30s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'21, Lahiri = -10°02'21 Julian Calendar 1 July 441 BCE == Greg. Calendar 26 June 441 BCE

The year -440 astronomical counting style corresponds to year 441 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

AUGUST 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 17 12	2♌31'09	9♏23	29♋12	12♋49	29♈11	8♌21	3♋12	1°R37	10°R43	12°R55	26°R26	27♌13	28♓31	n.a.	W 1
T 2	20 21 8	3°29'20	23°10	1♌ 9	14° 3	29°41	8°34	3°19	1♉35	10♓41	12♉54	26♌25	27°10	28°38	n.a.	T 2
F 3	20 25 5	4°27'32	6♐44	3° 5	15°17	0♉11	8°47	3°26	1°33	10°40	12°52	26°23	27° 6	28°44	n.a.	F 3
S 4	20 29 1	5°25'46	20° 4	5° 1	16°30	0°41	9° 0	3°33	1°31	10°39	12°51	26°20	27° 3	28°51	n.a.	S 4
S 5	20 32 58	6°24'02	3♉10	6°55	17°44	1°10	9°13	3°40	1°29	10°38	12°50	26°17	27° 0	28°58	n.a.	S 5
M 6	20 36 54	7°22'19	16° 2	8°49	18°58	1°39	9°26	3°47	1°27	10°36	12°49	26°14	26°57	29° 4	n.a.	M 6
T 7	20 40 51	8°20'39	28°40	10°41	20°12	2° 8	9°39	3°54	1°25	10°35	12°48	26°12	26°54	29°11	n.a.	T 7
W 8	20 44 47	9°19'00	11♒ 6	12°33	21°26	2°36	9°52	4° 1	1°24	10°34	12°46	26°11	26°51	29°18	n.a.	W 8
T 9	20 48 44	10°17'23	23°19	14°23	22°40	3° 4	10° 5	4° 8	1°22	10°32	12°45	26°D10	26°47	29°24	n.a.	T 9
F 10	20 52 40	11°15'48	5♓23	16°13	23°55	3°32	10°18	4°15	1°20	10°31	12°44	26°10	26°44	29°31	n.a.	F 10
S 11	20 56 37	12°14'15	17°19	18° 1	25° 9	3°59	10°31	4°21	1°19	10°29	12°43	26°11	26°41	29°38	n.a.	S 11
S 12	21 0 34	13°12'44	29° 9	19°48	26°23	4°26	10°44	4°28	1°17	10°28	12°42	26°12	26°38	29°44	n.a.	S 12
M13	21 4 30	14°11'16	10♈58	21°34	27°37	4°53	10°57	4°35	1°16	10°26	12°41	26°13	26°35	29°51	n.a.	M13
T 14	21 8 27	15° 9'50	22°49	23°19	28°51	5°19	11°10	4°41	1°14	10°25	12°40	26°14	26°32	29°58	n.a.	T 14
W15	21 12 23	16° 8'26	4♉46	25° 3	0♌ 6	5°45	11°23	4°48	1°13	10°23	12°39	26°15	26°28	0♈ 4	n.a.	W15
T 16	21 16 20	17° 7'04	16°54	26°46	1°20	6°10	11°36	4°54	1°11	10°22	12°37	26°R15	26°25	0°11	n.a.	T 16
F 17	21 20 16	18° 5'45	29°19	28°28	2°35	6°35	11°49	5° 0	1°10	10°20	12°36	26°15	26°22	0°18	n.a.	F 17
S 18	21 24 13	19° 4'28	12♊ 3	0♍ 9	3°49	6°59	12° 2	5° 7	1° 8	10°19	12°35	26°15	26°19	0°24	n.a.	S 18
S 19	21 28 9	20° 3'13	25°10	1°49	5° 3	7°24	12°15	5°13	1° 7	10°17	12°34	26°14	26°16	0°31	n.a.	S 19
M20	21 32 6	21° 2'01	8♋43	3°27	6°18	7°47	12°28	5°19	1° 6	10°16	12°33	26°13	26°12	0°38	n.a.	M20
T 21	21 36 3	22° 0'51	22°41	5° 5	7°33	8°11	12°41	5°25	1° 4	10°14	12°32	26°13	26° 9	0°44	n.a.	T 21
W22	21 39 59	22°59'44	7♌ 3	6°42	8°47	8°33	12°54	5°32	1° 3	10°13	12°31	26°12	26° 6	0°51	n.a.	W22
T 23	21 43 56	23°58'38	21°45	8°18	10° 2	8°56	13° 7	5°38	1° 2	10°11	12°30	26°D12	26° 3	0°58	n.a.	T 23
F 24	21 47 52	24°57'35	6♍39	9°53	11°16	9°17	13°20	5°44	1° 1	10°10	12°29	26°12	26° 0	1° 4	n.a.	F 24
S 25	21 51 49	25°56'33	21°37	11°27	12°31	9°39	13°33	5°49	1° 0	10° 8	12°29	26°R12	25°57	1°11	n.a.	S 25
S 26	21 55 45	26°55'34	6♎32	13° 0	13°46	9°59	13°46	5°55	0°59	10° 6	12°28	26°12	25°53	1°18	n.a.	S 26
M27	21 59 42	27°54'37	21°16	14°32	15° 1	10°20	13°59	6° 1	0°58	10° 5	12°27	26°12	25°50	1°24	n.a.	M27
T 28	22 3 38	28°53'41	5♏44	16° 4	16°15	10°40	14°11	6° 7	0°57	10° 3	12°26	26°12	25°47	1°31	n.a.	T 28
W29	22 7 35	29°52'47	19°51	17°34	17°30	10°59	14°24	6°12	0°56	10° 1	12°25	26°12	25°44	1°38	n.a.	W29
T 30	22 11 31	0♍51'56	3♐38	19° 4	18°45	11°17	14°37	6°18	0°55	10° 0	12°24	26°D12	25°41	1°44	n.a.	T 30
F 31	22 15 28	1♍51'06	17♐ 3	20♍32	20♌ 0	11♉36	14♌50	6♋23	0♉54	9♓58	12♉24	26♌12	25♌38	1♈51	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	19n51	10s 3	5n 1	22n19	1n47	23n38	0n31	9n26	2s 1	19n21	0n59	23n37	0s 5	24s 9	0s25	9s11	1s40	30s59	7s55	12n52	12n36	3s 3			n.a.
T 2	19 37	13 44	5 14	21 55	1 48	23 33	0 33	9 38	2 0	19 18	0 59	23 37	0 5	24 9	0 25	9 11	1 40	30 59	7 55	12 52	12 37	3 1			n.a.
F 3	19 24	16 37	5 10	21 28	1 48	23 27	0 36	9 49	2 0	19 14	0 59	23 37	0 5	24 10	0 25	9 12	1 40	30 59	7 55	12 53	12 38	2 59			n.a.
S 4	19 9	18 34	4 48	20 59	1 47	23 20	0 38	9 59	2 0	19 11	0 59	23 37	0 5	24 10	0 25	9 13	1 40	30 59	7 55	12 54	12 39	2 57			n.a.
S 5	18 55	19 30	4 12	20 29	1 46	23 13	0 40	10 10	1 59	19 8	0 59	23 37	0 5	24 10	0 25	9 13	1 40	31 0	7 55	12 55	12 40	2 55			n.a.
M 6	18 40	19 24	3 24	19 57	1 44	23 5	0 42	10 21	1 59	19 4	0 59	23 37	0 5	24 10	0 25	9 14	1 40	31 0	7 55	12 56	12 41	2 53			n.a.
T 7	18 25	18 18	2 26	19 24	1 42	22 56	0 44	10 31	1 58	19 1	0 59	23 37	0 5	24 10	0 25	9 14	1 40	31 0	7 55	12 57	12 42	2 51			n.a.
W 8	18 9	16 21	1 22	18 50	1 39	22 47	0 47	10 41	1 58	18 57	0 59	23 37	0 4	24 10	0 25	9 15	1 40	31 0	7 55	12 57	12 43	2 49			n.a.
T 9	17 53	13 40	0 16	18 15	1 36	22 37	0 49	10 51	1 57	18 54	0 59	23 36	0 4	24 10	0 25	9 15	1 40	31 0	7 55	12 57	12 44	2 47			n.a.
F 10	17 37	10 27	0s51	17 39	1 32	22 26	0 51	11 1	1 57	18 50	0 59	23 36	0 4	24 10	0 25	9 16	1 40	31 0	7 55	12 57	12 46	2 45			n.a.
S 11	17 21	6 50	1 55	17 1	1 28	22 14	0 53	11 11	1 56	18 46	0 59	23 36	0 4	24 10	0 25	9 16	1 40	31 0	7 55	12 57	12 47	2 43			n.a.
S 12	17 4	2 59	2 53	16 23	1 24	22 2	0 55	11 21	1 56	18 43	0 59	23 36	0 4	24 10	0 25	9 17	1 40	31 0	7 55	12 57	12 48	2 41			n.a.
M13	16 47	0n58	3 44	15 45	1 19	21 50	0 57	11 30	1 55	18 39	0 59	23 36	0 4	24 10	0 25	9 18	1 40	31 0	7 55	12 56	12 49	2 39			n.a.
T 14	16 30	4 53	4 25	15 5	1 14	21 36	0 58	11 40	1 55	18 36	0 59	23 36	0 4	24 10	0 25	9 18	1 40	31 0	7 55	12 56	12 50	2 37			n.a.
W15	16 12	8 38	4 56	14 25	1 9	21 22	1 0	11 49	1 54	18 32	0 59	23 36	0 4	24 10	0 25	9 19	1 40	31 0	7 54	12 56	12 51	2 35			n.a.
T 16	15 54	12 6	5 13	13 45	1 4	21 7	1 2	11 58	1 53	18 29	1 0	23 36	0 4	24 10	0 25	9 19	1 41	31 0	7 54	12 56	12 52	2 33			n.a.
F 17	15 36	15 6	5 17	13 4	0 58	20 52	1 4	12 7	1 53	18 25	1 0	23 35	0 4	24 10	0 25	9 20	1 41	31 0	7 54	12 56	12 53	2 31			n.a.
S 18	15 18	17 29	5 6	12 22	0 52	20 36	1 5	12 15	1 52	18 21	1 0	23 35	0 4	24 10	0 25	9 21	1 41	31 0	7 54	12 56	12 54	2 29			n.a.
S 19	14 59	19 2	4 38	11 41	0 46	20 19	1 7	12 24	1 52	18 18	1 0	23 35	0 3	24 10	0 25	9 21	1 41	31 1	7 54	12 56	12 55	2 27			n.a.
M20	14 40	19 33	3 54	10 59	0 39	20 2	1 8	12 32	1 51	18 14	1 0	23 35	0 3	24 10	0 25	9 22	1 41	31 1	7 54	12 56	12 57	2 25			n.a.
T 21	14 21	18 55	2 56	10 17	0 33	19 45	1 10	12 41	1 50	18 11	1 0	23 35	0 3	24 10	0 25	9 22	1 41	31 1	7 54	12 56	12 58	2 23			n.a.
W22	14 2	17 4	1 44	9 34	0 26	19 26	1 11	12 49	1 49	18 7	1 0	23 35	0 3	24 10	0 25	9 23	1 41	31 1	7 54	12 57	12 59	2 21			n.a.
T 23	13 42	14 3	0 25	8 52	0 20	19 7	1 12	12 57	1 49	18 3	1 0	23 34	0 3	24 10	0 25	9 24	1 41	31 1	7 54	12 57	13 0	2 19			n.a.
F 24	13 22	10 5	0n58	8 9	0 13	18 48	1 14	13 4	1 48	18 0	1 0	23 34	0 3	24 10	0 25	9 24	1 41	31 1	7 54	12 57	13 1	2 17			n.a.
S 25	13 2	5 27	2 17	7 27	0 6	18 28	1 15	13 12	1 47	17 56	1 0	23 34	0 3	24 10	0 25	9 25	1 41	31 1	7 54	12 57	13 2	2 15			n.a.
S 26	12 42	0 31	3 26	6 44	0s 2	18 7	1 16	13 19	1 46	17 52	1 0	23 34	0 3	24 10	0 25	9 26	1 41	31 1	7 54	12 57	13 3	2 13			n.a.
M27	12 21	4s23	4 21	6 2	0 9	17 46	1 17	13 26	1 45	17 49	1 0	23 34	0 3	24 10	0 25	9 26	1 41	31 1	7 54	12 57	13 4	2 11			n.a.
T 28	12 0	8 55	4 58	5 19	0 16	17 25	1 18	13 34	1 44	17 45	1 1	23 34	0 3	24 10	0 25	9 27	1 41	31 1	7 54	12 57	13 5	2 9			n.a.
W29	11 40	12 52	5 16	4 37	0 23	17 2	1 19	13 40	1 44	17 41	1 1	23 33	0 3	24 10	0 25	9 28	1 41	31 1	7 53	12 57	13 6	2 7			n.a.
T 30	11 18	15 59	5 15	3 55	0 31	16 40	1 20	13 47	1 43	17 37	1 1	23 33	0 3	24 10	0 25	9 28	1 41	31 1	7 53	12 57	13 7	2 5			n.a.
F 31	10n57	18s11	4n57	3n13	0s38	16n17	1n21	13n54	1s42	17n34	1n 1	23n33	0s 2	24s10	0s25	9s29	1s41	31s 1	7s53	12n57	13n 9	2s 3			n.a.

Julian Day Number = 1560560.5, Delta T = 04h24m29s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'17, Lahiri = -10°02'17 Julian Calendar 1 Aug. 441 BCE == Greg. Calendar 27 July 441 BCE

The year -440 astronomical counting style corresponds to year 441 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

SEPTEMBER 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 19 25	2♍50'18	0♑ 8	22♍ 0	21♌15	11♉53	15♌ 3	6♋29	0°R54	9°R56	12°R23	26♌12	25♌34	1♈58	n.a.	S 1
S 2	22 23 21	3°49'32	12°56	23°27	22°30	12°10	15°15	6°34	0♑53	9♓55	12♑22	26°13	25°31	2° 4	n.a.	S 2
M 3	22 27 18	4°48'47	25°30	24°52	23°45	12°27	15°28	6°40	0°52	9°53	12°21	26°14	25°28	2°11	n.a.	M 3
T 4	22 31 14	5°48'05	7♒50	26°17	25° 0	12°42	15°41	6°45	0°52	9°51	12°21	26°15	25°25	2°18	n.a.	T 4
W 5	22 35 11	6°47'25	20° 0	27°41	26°15	12°58	15°53	6°50	0°51	9°50	12°20	26°15	25°22	2°24	n.a.	W 5
T 6	22 39 7	7°46'47	2♓ 2	29° 4	27°30	13°12	16° 6	6°55	0°51	9°48	12°19	26°R15	25°18	2°31	n.a.	T 6
F 7	22 43 4	8°46'11	13°58	0♎26	28°45	13°26	16°18	7° 0	0°50	9°46	12°19	26°15	25°15	2°38	n.a.	F 7
S 8	22 47 0	9°45'37	25°50	1°47	29°59	13°40	16°31	7° 5	0°50	9°45	12°18	26°13	25°12	2°44	n.a.	S 8
S 9	22 50 57	10°45'05	7♈39	3° 6	1♍15	13°52	16°43	7°10	0°50	9°43	12°17	26°11	25° 9	2°51	n.a.	S 9
M10	22 54 54	11°44'35	19°29	4°24	2°30	14° 4	16°56	7°14	0°49	9°41	12°17	26° 9	25° 6	2°58	n.a.	M10
T 11	22 58 50	12°44'08	1♉21	5°42	3°45	14°15	17° 8	7°19	0°49	9°40	12°16	26° 6	25° 3	3° 4	n.a.	T 11
W12	23 2 47	13°43'43	13°19	6°57	5° 1	14°26	17°21	7°24	0°49	9°38	12°16	26° 4	24°59	3°11	n.a.	W12
T 13	23 6 43	14°43'21	25°27	8°12	6°16	14°36	17°33	7°28	0°49	9°36	12°15	26° 2	24°56	3°18	n.a.	T 13
F 14	23 10 40	15°43'01	7♊48	9°24	7°31	14°45	17°45	7°32	0°49	9°35	12°15	26° 1	24°53	3°24	n.a.	F 14
S 15	23 14 36	16°42'43	20°27	10°35	8°46	14°53	17°57	7°37	0°48	9°33	12°14	26°D 1	24°50	3°31	n.a.	S 15
S 16	23 18 33	17°42'28	3♋27	11°44	10° 1	15° 1	18°10	7°41	0°D48	9°31	12°14	26° 2	24°47	3°38	n.a.	S 16
M17	23 22 29	18°42'15	16°52	12°52	11°17	15° 8	18°22	7°45	0°49	9°30	12°14	26° 3	24°43	3°45	n.a.	M17
T 18	23 26 26	19°42'05	0♌44	13°57	12°32	15°14	18°34	7°49	0°49	9°28	12°13	26° 4	24°40	3°51	n.a.	T 18
W19	23 30 22	20°41'57	15° 3	14°59	13°47	15°19	18°46	7°53	0°49	9°26	12°13	26° 6	24°37	3°58	n.a.	W19
T 20	23 34 19	21°41'51	29°46	15°59	15° 3	15°24	18°58	7°57	0°49	9°25	12°13	26°R 6	24°34	4° 5	n.a.	T 20
F 21	23 38 16	22°41'47	14♍49	16°56	16°18	15°28	19°10	8° 1	0°49	9°23	12°12	26° 5	24°31	4°11	n.a.	F 21
S 22	23 42 12	23°41'45	0♎ 2	17°50	17°33	15°30	19°22	8° 5	0°50	9°21	12°12	26° 2	24°28	4°18	n.a.	S 22
S 23	23 46 9	24°41'45	15°16	18°40	18°49	15°32	19°33	8° 8	0°50	9°20	12°12	25°59	24°24	4°25	n.a.	S 23
M24	23 50 5	25°41'47	0♏20	19°26	20° 4	15°34	19°45	8°12	0°50	9°18	12°12	25°55	24°21	4°31	n.a.	M24
T 25	23 54 2	26°41'51	15° 6	20° 8	21°20	15°R34	19°57	8°15	0°51	9°17	12°11	25°50	24°18	4°38	n.a.	T 25
W26	23 57 58	27°41'57	29°28	20°45	22°35	15°33	20° 8	8°18	0°51	9°15	12°11	25°47	24°15	4°45	n.a.	W26
T 27	0 1 55	28°42'05	13♐23	21°17	23°50	15°32	20°20	8°21	0°52	9°14	12°11	25°44	24°12	4°51	n.a.	T 27
F 28	0 5 51	29°42'14	26°50	21°42	25° 6	15°30	20°31	8°25	0°52	9°12	12°11	25°D43	24° 9	4°58	n.a.	F 28
S 29	0 9 48	0♎42'25	9♑52	22° 1	26°21	15°26	20°43	8°28	0°53	9°10	12°11	25°43	24° 5	5° 5	n.a.	S 29
S 30	0 13 45	1♎42'37	22♑32	22♎13	27♍37	15♉22	20♌54	8♋30	0♑54	9♓ 9	12♑11	25♌45	24♌ 2	5♈11	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n36	19s21	4n24	2n31	0s45	15n53	1n22	14n 0	1s41	17n30	1n 1	23n33	0s 2	24s10	0s25	9s30	1s41	31s 1	7s53	12n57	13n10	2s 1		n.a.
S 2	10 14	19 29	3 38	1 50	0 53	15 29	1 23	14 6	1 40	17 26	1 1	23 33	0 2	24 10	0 25	9 30	1 41	31 1	7 53	12 56	13 11	1 59		n.a.
M 3	9 52	18 39	2 43	1 9	1 0	15 5	1 23	14 12	1 39	17 23	1 1	23 32	0 2	24 10	0 25	9 31	1 41	31 1	7 53	12 56	13 12	1 56		n.a.
T 4	9 30	16 56	1 41	0 28	1 7	14 40	1 24	14 18	1 38	17 19	1 1	23 32	0 2	24 10	0 25	9 31	1 41	31 1	7 53	12 56	13 13	1 54		n.a.
W 5	9 8	14 27	0 35	0s13	1 15	14 15	1 24	14 24	1 37	17 15	1 1	23 32	0 2	24 10	0 25	9 32	1 41	31 0	7 53	12 56	13 14	1 52		n.a.
T 6	8 46	11 23	0s32	0 53	1 22	13 49	1 25	14 29	1 35	17 11	1 2	23 32	0 2	24 10	0 25	9 33	1 41	31 0	7 53	12 56	13 15	1 50		n.a.
F 7	8 23	7 52	1 37	1 32	1 29	13 23	1 25	14 35	1 34	17 8	1 2	23 32	0 2	24 10	0 25	9 33	1 41	31 0	7 52	12 56	13 16	1 48		n.a.
S 8	8 0	4 4	2 37	2 11	1 36	12 57	1 25	14 40	1 33	17 4	1 2	23 32	0 2	24 10	0 25	9 34	1 41	31 0	7 52	12 56	13 17	1 46		n.a.
S 9	7 38	0 8	3 30	2 49	1 43	12 30	1 26	14 45	1 32	17 0	1 2	23 31	0 2	24 10	0 25	9 35	1 41	31 0	7 52	12 57	13 18	1 44		n.a.
M10	7 15	3n48	4 14	3 27	1 50	12 3	1 26	14 49	1 31	16 57	1 2	23 31	0 2	24 10	0 25	9 35	1 41	31 0	7 52	12 58	13 19	1 42		n.a.
T 11	6 52	7 37	4 47	4 4	1 57	11 35	1 26	14 54	1 29	16 53	1 2	23 31	0 1	24 10	0 25	9 36	1 41	31 0	7 52	12 59	13 20	1 40		n.a.
W12	6 29	11 9	5 8	4 41	2 4	11 8	1 26	14 58	1 28	16 49	1 2	23 31	0 1	24 10	0 25	9 37	1 41	31 0	7 52	12 59	13 21	1 38		n.a.
T 13	6 5	14 16	5 16	5 16	2 10	10 40	1 26	15 3	1 27	16 46	1 2	23 31	0 1	24 10	0 25	9 37	1 41	31 0	7 52	13 0	13 23	1 36		n.a.
F 14	5 42	16 48	5 9	5 51	2 16	10 11	1 26	15 7	1 25	16 42	1 2	23 31	0 1	24 10	0 25	9 38	1 41	31 0	7 52	13 0	13 24	1 34		n.a.
S 15	5 19	18 37	4 48	6 25	2 22	9 43	1 26	15 10	1 24	16 38	1 3	23 30	0 1	24 9	0 25	9 39	1 41	31 0	7 51	13 1	13 25	1 32		n.a.
S 16	4 55	19 31	4 11	6 58	2 28	9 14	1 26	15 14	1 23	16 35	1 3	23 30	0 1	24 9	0 25	9 39	1 41	31 0	7 51	13 0	13 26	1 30		n.a.
M17	4 31	19 22	3 20	7 29	2 33	8 44	1 25	15 18	1 21	16 31	1 3	23 30	0 1	24 9	0 25	9 40	1 41	31 0	7 51	13 0	13 27	1 28		n.a.
T 18	4 8	18 3	2 15	8 0	2 39	8 15	1 25	15 21	1 20	16 27	1 3	23 30	0 1	24 9	0 25	9 40	1 41	31 0	7 51	12 59	13 28	1 26		n.a.
W19	3 44	15 34	1 1	8 29	2 43	7 45	1 25	15 24	1 18	16 24	1 3	23 30	0 1	24 9	0 25	9 41	1 41	30 59	7 51	12 59	13 29	1 24		n.a.
T 20	3 20	12 1	0n20	8 56	2 48	7 15	1 24	15 27	1 16	16 20	1 3	23 30	0 1	24 9	0 25	9 42	1 41	30 59	7 51	12 59	13 30	1 22		n.a.
F 21	2 56	7 36	1 41	9 22	2 52	6 45	1 24	15 29	1 15	16 16	1 3	23 30	0 0	24 9	0 25	9 42	1 41	30 59	7 51	12 59	13 31	1 20		n.a.
S 22	2 32	2 40	2 56	9 46	2 55	6 15	1 23	15 32	1 13	16 13	1 4	23 29	0 0	24 9	0 25	9 43	1 41	30 59	7 51	13 0	13 32	1 18		n.a.
S 23	2 8	2s26	3 58	10 9	2 58	5 45	1 22	15 34	1 11	16 9	1 4	23 29	0 0	24 9	0 25	9 44	1 41	30 59	7 50	13 1	13 33	1 16		n.a.
M24	1 44	7 20	4 43	10 29	3 0	5 14	1 22	15 36	1 10	16 5	1 4	23 29	0 0	24 9	0 25	9 44	1 41	30 59	7 50	13 3	13 34	1 14		n.a.
T 25	1 20	11 40	5 8	10 46	3 2	4 43	1 21	15 38	1 8	16 2	1 4	23 29	0 0	24 9	0 25	9 45	1 41	30 59	7 50	13 4	13 35	1 11		n.a.
W26	0 56	15 13	5 12	11 1	3 3	4 12	1 20	15 39	1 6	15 58	1 4	23 29	0n 0	24 9	0 25	9 45	1 41	30 59	7 50	13 5	13 37	1 9		n.a.
T 27	0 31	17 46	4 58	11 13	3 3	3 41	1 19	15 41	1 4	15 55	1 4	23 29	0 0	24 9	0 25	9 46	1 41	30 58	7 50	13 6	13 38	1 7		n.a.
F 28	0 7	19 14	4 28	11 22	3 2	3 10	1 18	15 42	1 2	15 51	1 5	23 29	0 0	24 9	0 25	9 47	1 41	30 58	7 50	13 7	13 39	1 5		n.a.
S 29	0s17	19 38	3 45	11 27	3 0	2 39	1 17	15 43	1 0	15 48	1 5	23 29	0 0	24 9	0 25	9 47	1 41	30 58	7 50	13 6	13 40	1 3		n.a.
S 30	0s41	19s 1	2n52	11s29	2s56	2n 7	1n16	15n44	0s58	15n44	1n 5	23n29	0n 0	24s 9	0s25	9s48	1s41	30s58	7s49	13n 6	13n41	1s 1		n.a.

Julian Day Number = 1560591.5, Delta T = 04h24m28s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'13, Lahiri = -10°02'12 Julian Calendar 1 Sept. 441 BCE == Greg. Calendar 27 Aug. 441 BCE

The year -440 astronomical counting style corresponds to year 441 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

OCTOBER 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 17 41	2♎42'51	4♒54	22°R17	28♍52	15°R18	21♌ 5	8♋33	0♑55	9°R 7	12°D11	25♌46	23♌59	5♈18	n.a.	M 1
T 2	0 21 38	3°43'07	17° 3	22♎13	0♎ 8	15♉12	21°17	8°36	0°55	9♓ 6	12♑11	25°48	23°56	5°25	n.a.	T 2
W 3	0 25 34	4°43'24	29° 3	21°59	1°23	15° 5	21°28	8°38	0°56	9° 4	12°11	25°R48	23°53	5°31	n.a.	W 3
T 4	0 29 31	5°43'43	10♓56	21°36	2°39	14°58	21°39	8°41	0°57	9° 3	12°11	25°47	23°49	5°38	n.a.	T 4
F 5	0 33 27	6°44'04	22°46	21° 3	3°54	14°49	21°50	8°43	0°58	9° 2	12°11	25°43	23°46	5°45	n.a.	F 5
S 6	0 37 24	7°44'26	4♈36	20°21	5°10	14°40	22° 1	8°46	0°59	9° 0	12°11	25°38	23°43	5°51	n.a.	S 6
S 7	0 41 20	8°44'50	16°26	19°29	6°25	14°30	22°11	8°48	1° 0	8°59	12°12	25°31	23°40	5°58	n.a.	S 7
M 8	0 45 17	9°45'16	28°20	18°28	7°41	14°19	22°22	8°50	1° 1	8°57	12°12	25°22	23°37	6° 5	n.a.	M 8
T 9	0 49 13	10°45'44	10♉17	17°19	8°56	14° 7	22°33	8°52	1° 3	8°56	12°12	25°13	23°34	6°11	n.a.	T 9
W10	0 53 10	11°46'14	22°21	16° 4	10°12	13°54	22°43	8°54	1° 4	8°55	12°12	25° 5	23°30	6°18	n.a.	W10
T 11	0 57 7	12°46'46	4♊34	14°45	11°27	13°41	22°54	8°55	1° 5	8°53	12°12	24°57	23°27	6°25	n.a.	T 11
F 12	1 1 3	13°47'19	16°57	13°25	12°43	13°27	23° 4	8°57	1° 6	8°52	12°13	24°51	23°24	6°31	n.a.	F 12
S 13	1 5 0	14°47'55	29°34	12° 6	13°58	13°12	23°15	8°58	1° 8	8°51	12°13	24°48	23°21	6°38	n.a.	S 13
S 14	1 8 56	15°48'32	12♋29	10°50	15°14	12°56	23°25	9° 0	1° 9	8°49	12°13	24°D47	23°18	6°45	n.a.	S 14
M15	1 12 53	16°49'11	25°44	9°40	16°29	12°39	23°35	9° 1	1°11	8°48	12°14	24°47	23°14	6°52	n.a.	M15
T 16	1 16 49	17°49'52	9♌24	8°38	17°45	12°22	23°45	9° 2	1°12	8°47	12°14	24°48	23°11	6°58	n.a.	T 16
W17	1 20 46	18°50'35	23°29	7°46	19° 0	12° 4	23°55	9° 3	1°14	8°46	12°15	24°R49	23° 8	7° 5	n.a.	W17
T 18	1 24 42	19°51'20	7♍59	7° 6	20°16	11°45	24° 5	9° 4	1°15	8°44	12°15	24°48	23° 5	7°12	n.a.	T 18
F 19	1 28 39	20°52'06	22°52	6°36	21°32	11°26	24°14	9° 5	1°17	8°43	12°16	24°45	23° 2	7°18	n.a.	F 19
S 20	1 32 36	21°52'54	8♎ 2	6°19	22°47	11° 6	24°24	9° 6	1°19	8°42	12°16	24°39	22°59	7°25	n.a.	S 20
S 21	1 36 32	22°53'43	23°18	6°D12	24° 3	10°46	24°33	9° 7	1°20	8°41	12°17	24°32	22°55	7°32	n.a.	S 21
M22	1 40 29	23°54'34	8♏31	6°17	25°18	10°25	24°43	9° 7	1°22	8°40	12°17	24°22	22°52	7°38	n.a.	M22
T 23	1 44 25	24°55'26	23°28	6°32	26°34	10° 3	24°52	9° 7	1°24	8°39	12°18	24°13	22°49	7°45	n.a.	T 23
W24	1 48 22	25°56'20	8♐ 3	6°57	27°49	9°42	25° 1	9° 8	1°26	8°38	12°18	24° 4	22°46	7°52	n.a.	W24
T 25	1 52 18	26°57'14	22° 9	7°30	29° 5	9°19	25°10	9° 8	1°28	8°37	12°19	23°57	22°43	7°58	n.a.	T 25
F 26	1 56 15	27°58'10	5♑44	8°11	0♏20	8°57	25°19	9°R 8	1°30	8°36	12°20	23°52	22°40	8° 5	n.a.	F 26
S 27	2 0 11	28°59'06	18°51	8°59	1°36	8°34	25°28	9° 8	1°32	8°35	12°20	23°50	22°36	8°12	n.a.	S 27
S 28	2 4 8	0♏ 0'03	1♒32	9°52	2°52	8°11	25°37	9° 8	1°34	8°34	12°21	23°D49	22°33	8°18	n.a.	S 28
M29	2 8 5	1° 1'01	13°53	10°51	4° 7	7°48	25°45	9° 7	1°36	8°33	12°22	23°50	22°30	8°25	n.a.	M29
T 30	2 12 1	2° 2'00	25°58	11°55	5°23	7°25	25°54	9° 7	1°38	8°32	12°23	23°R50	22°27	8°32	n.a.	T 30
W31	2 15 58	3♏ 3'00	7♓53	13♎ 2	6♏38	7♉ 1	26♌ 2	9♋ 7	1♑40	8♓32	12♑23	23♌49	22♌24	8♈38	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	1s 6	17s29	1n52	11s26	2s52	1n36	1n15	15n44	0s56	15n41	1n 5	23n28	0n 1	24s 9	0s25	9s48	1s41	30s58	7s49	13n 5	13n42	0s59			n.a.
T 2	1 30	15 10	0 48	11 19	2 46	1 4	1 14	15 45	0 54	15 37	1 5	23 28	0 1	24 9	0 25	9 49	1 41	30 58	7 49	13 5	13 43	0 57			n.a.
W 3	1 54	12 14	0s18	11 7	2 38	0 33	1 13	15 45	0 52	15 34	1 5	23 28	0 1	24 9	0 25	9 49	1 41	30 58	7 49	13 5	13 44	0 55			n.a.
T 4	2 18	8 49	1 21	10 49	2 29	0 1	1 11	15 44	0 50	15 30	1 6	23 28	0 1	24 9	0 25	9 50	1 41	30 57	7 49	13 5	13 45	0 53			n.a.
F 5	2 42	5 4	2 21	10 27	2 18	0s30	1 10	15 44	0 47	15 27	1 6	23 28	0 1	24 9	0 25	9 50	1 41	30 57	7 49	13 6	13 46	0 51			n.a.
S 6	3 7	1 7	3 15	9 59	2 5	1 2	1 9	15 43	0 45	15 23	1 6	23 28	0 1	24 9	0 25	9 51	1 41	30 57	7 49	13 8	13 47	0 49			n.a.
S 7	3 31	2n52	4 0	9 25	1 51	1 33	1 7	15 43	0 43	15 20	1 6	23 28	0 1	24 9	0 25	9 51	1 41	30 57	7 48	13 11	13 48	0 47			n.a.
M 8	3 55	6 45	4 34	8 47	1 34	2 5	1 6	15 42	0 41	15 17	1 6	23 28	0 1	24 9	0 25	9 52	1 41	30 57	7 48	13 14	13 49	0 45			n.a.
T 9	4 19	10 23	4 57	8 4	1 16	2 36	1 4	15 40	0 38	15 13	1 6	23 28	0 1	24 9	0 25	9 52	1 41	30 57	7 48	13 17	13 50	0 43			n.a.
W10	4 43	13 39	5 7	7 17	0 57	3 8	1 2	15 39	0 36	15 10	1 7	23 28	0 1	24 9	0 25	9 53	1 41	30 57	7 48	13 20	13 51	0 40			n.a.
T 11	5 7	16 21	5 3	6 27	0 37	3 39	1 1	15 37	0 33	15 7	1 7	23 28	0 2	24 9	0 24	9 53	1 41	30 56	7 48	13 22	13 52	0 38			n.a.
F 12	5 30	18 22	4 45	5 37	0 17	4 11	0 59	15 35	0 31	15 3	1 7	23 28	0 2	24 9	0 24	9 54	1 41	30 56	7 48	13 24	13 54	0 36			n.a.
S 13	5 54	19 32	4 13	4 47	0n 4	4 42	0 57	15 33	0 28	15 0	1 7	23 28	0 2	24 9	0 24	9 54	1 41	30 56	7 48	13 25	13 55	0 34			n.a.
S 14	6 18	19 42	3 28	3 58	0 24	5 13	0 56	15 31	0 26	14 57	1 7	23 28	0 2	24 9	0 24	9 55	1 41	30 56	7 47	13 26	13 56	0 32			n.a.
M15	6 41	18 49	2 30	3 12	0 44	5 44	0 54	15 28	0 23	14 54	1 8	23 28	0 2	24 9	0 24	9 55	1 40	30 56	7 47	13 26	13 57	0 30			n.a.
T 16	7 5	16 49	1 22	2 31	1 2	6 15	0 52	15 25	0 21	14 50	1 8	23 28	0 2	24 9	0 24	9 56	1 40	30 55	7 47	13 25	13 58	0 28			n.a.
W17	7 28	13 45	0 7	1 55	1 19	6 46	0 50	15 22	0 18	14 47	1 8	23 28	0 2	24 9	0 24	9 56	1 40	30 55	7 47	13 25	13 59	0 26			n.a.
T 18	7 52	9 46	1n10	1 25	1 33	7 17	0 48	15 19	0 15	14 44	1 8	23 28	0 2	24 9	0 24	9 57	1 40	30 55	7 47	13 25	14 0	0 24			n.a.
F 19	8 15	5 4	2 25	1 2	1 46	7 47	0 46	15 15	0 13	14 41	1 8	23 28	0 2	24 9	0 24	9 57	1 40	30 55	7 47	13 26	14 1	0 22			n.a.
S 20	8 38	0s 1	3 30	0 45	1 57	8 17	0 44	15 12	0 10	14 38	1 9	23 28	0 2	24 9	0 24	9 57	1 40	30 55	7 46	13 28	14 2	0 20			n.a.
S 21	9 1	5 8	4 21	0 34	2 7	8 48	0 42	15 8	0 7	14 35	1 9	23 28	0 3	24 9	0 24	9 58	1 40	30 54	7 46	13 31	14 3	0 18			n.a.
M22	9 24	9 54	4 53	0 29	2 14	9 18	0 40	15 4	0 4	14 32	1 9	23 28	0 3	24 9	0 24	9 58	1 40	30 54	7 46	13 34	14 4	0 15			n.a.
T 23	9 46	13 58	5 4	0 30	2 19	9 47	0 38	15 0	0 2	14 29	1 9	23 28	0 3	24 9	0 24	9 59	1 40	30 54	7 46	13 37	14 5	0 13			n.a.
W24	10 9	17 4	4 55	0 36	2 23	10 17	0 36	14 55	0n 1	14 26	1 10	23 29	0 3	24 9	0 24	9 59	1 40	30 54	7 46	13 40	14 6	0 11			n.a.
T 25	10 31	19 2	4 29	0 47	2 26	10 46	0 34	14 51	0 4	14 23	1 10	23 29	0 3	24 9	0 24	9 59	1 40	30 54	7 46	13 43	14 7	0 9			n.a.
F 26	10 53	19 50	3 47	1 2	2 27	11 15	0 31	14 46	0 7	14 21	1 10	23 29	0 3	24 9	0 24	10 0	1 40	30 53	7 46	13 44	14 8	0 7			n.a.
S 27	11 15	19 31	2 55	1 21	2 27	11 44	0 29	14 41	0 9	14 18	1 10	23 29	0 3	24 9	0 24	10 0	1 40	30 53	7 46	13 45	14 9	0 5			n.a.
S 28	11 37	18 11	1 56	1 43	2 27	12 12	0 27	14 37	0 12	14 15	1 10	23 29	0 3	24 9	0 24	10 0	1 40	30 53	7 45	13 45	14 10	0 3			n.a.
M29	11 59	16 2	0 53	2 8	2 25	12 40	0 25	14 32	0 15	14 12	1 11	23 29	0 3	24 8	0 24	10 1	1 40	30 53	7 45	13 45	14 11	0 1			n.a.
T 30	12 20	13 12	0s11	2 35	2 22	13 8	0 22	14 26	0 18	14 10	1 11	23 29	0 4	24 8	0 24	10 1	1 40	30 53	7 45	13 45	14 12	0n 1			n.a.
W31	12s41	9s52	1s14	3s 5	2n19	13s35	0n20	14n21	0n21	14n 7	1n11	23n29	0n 4	24s 8	0s24	10s 1	1s40	30s52	7s45	13n45	14n14	0n 3			n.a.

Julian Day Number = 1560621.5, Delta T = 04h24m27s
Ecliptic obliquity = 23°44'48, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'09, Lahiri = -10°02'08 Julian Calendar 1 Oct. 441 BCE == Greg. Calendar 26 Sept. 441 BCE

The year -440 astronomical counting style corresponds to year 441 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

NOVEMBER 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 19 54	4♏ 4'01	19♓42	14♎13	7♏54	6°R38	26♌11	9°R 6	1♑43	8°R31	12♑24	23°R46	22♌20	8♈45	n.a.	T 1
F 2	2 23 51	5° 5'02	1♈30	15°27	9° 9	6♉14	26°19	9♋ 5	1°45	8♓30	12°25	23♌40	22°17	8°52	n.a.	F 2
S 3	2 27 47	6° 6'05	13°20	16°43	10°25	5°51	26°27	9° 4	1°47	8°29	12°26	23°31	22°14	8°59	n.a.	S 3
S 4	2 31 44	7° 7'08	25°14	18° 2	11°40	5°28	26°34	9° 3	1°49	8°29	12°27	23°19	22°11	9° 5	n.a.	S 4
M 5	2 35 40	8° 8'12	7♉15	19°22	12°56	5° 5	26°42	9° 2	1°52	8°28	12°28	23° 6	22° 8	9°12	n.a.	M 5
T 6	2 39 37	9° 9'17	19°22	20°44	14°11	4°42	26°50	9° 1	1°54	8°27	12°29	22°51	22° 5	9°19	n.a.	T 6
W 7	2 43 34	10°10'23	1♊38	22° 8	15°27	4°20	26°57	9° 0	1°57	8°27	12°30	22°37	22° 1	9°25	n.a.	W 7
T 8	2 47 30	11°11'30	14° 2	23°32	16°42	3°57	27° 4	8°58	1°59	8°26	12°31	22°25	21°58	9°32	n.a.	T 8
F 9	2 51 27	12°12'38	26°36	24°58	17°58	3°36	27°12	8°57	2° 2	8°26	12°32	22°15	21°55	9°39	n.a.	F 9
S 10	2 55 23	13°13'47	9♋21	26°25	19°13	3°14	27°19	8°55	2° 4	8°25	12°33	22° 8	21°52	9°45	n.a.	S 10
S 11	2 59 20	14°14'56	22°19	27°52	20°28	2°53	27°26	8°54	2° 7	8°25	12°34	22° 4	21°49	9°52	n.a.	S 11
M12	3 3 16	15°16'07	5♌33	29°20	21°44	2°33	27°32	8°52	2°10	8°24	12°35	22° 3	21°46	9°59	n.a.	M12
T 13	3 7 13	16°17'18	19° 5	0♏49	22°59	2°13	27°39	8°50	2°12	8°24	12°36	22° 3	21°42	10° 5	n.a.	T 13
W14	3 11 9	17°18'31	2♍56	2°18	24°15	1°53	27°45	8°48	2°15	8°23	12°37	22° 2	21°39	10°12	n.a.	W14
T 15	3 15 6	18°19'44	17° 9	3°48	25°30	1°34	27°52	8°46	2°18	8°23	12°38	22° 1	21°36	10°19	n.a.	T 15
F 16	3 19 3	19°20'58	1♎42	5°18	26°46	1°16	27°58	8°43	2°20	8°23	12°40	21°57	21°33	10°25	n.a.	F 16
S 17	3 22 59	20°22'13	16°32	6°48	28° 1	0°58	28° 4	8°41	2°23	8°22	12°41	21°50	21°30	10°32	n.a.	S 17
S 18	3 26 56	21°23'28	1♏31	8°19	29°17	0°41	28°10	8°39	2°26	8°22	12°42	21°40	21°26	10°39	n.a.	S 18
M19	3 30 52	22°24'44	16°32	9°50	0♐32	0°25	28°15	8°36	2°29	8°22	12°43	21°29	21°23	10°46	n.a.	M19
T 20	3 34 49	23°26'00	1♐24	11°21	1°48	0° 9	28°21	8°33	2°32	8°22	12°45	21°16	21°20	10°52	n.a.	T 20
W21	3 38 45	24°27'17	15°58	12°53	3° 3	29♈55	28°26	8°31	2°35	8°22	12°46	21° 5	21°17	10°59	n.a.	W21
T 22	3 42 42	25°28'34	0♑ 7	14°24	4°18	29°41	28°31	8°28	2°38	8°21	12°47	20°55	21°14	11° 6	n.a.	T 22
F 23	3 46 39	26°29'51	13°48	15°57	5°34	29°27	28°36	8°25	2°41	8°21	12°48	20°48	21°11	11°12	n.a.	F 23
S 24	3 50 35	27°31'08	27° 1	17°29	6°49	29°15	28°41	8°22	2°44	8°D21	12°50	20°44	21° 7	11°19	n.a.	S 24
S 25	3 54 32	28°32'24	9♒48	19° 2	8° 5	29° 3	28°46	8°19	2°47	8°21	12°51	20°42	21° 4	11°26	n.a.	S 25
M26	3 58 28	29°33'41	22°12	20°34	9°20	28°53	28°50	8°16	2°50	8°21	12°53	20°D42	21° 1	11°32	n.a.	M26
T 27	4 2 25	0♐34'57	4♓19	22° 8	10°35	28°43	28°55	8°12	2°53	8°21	12°54	20°R42	20°58	11°39	n.a.	T 27
W28	4 6 21	1°36'13	16°15	23°41	11°51	28°33	28°59	8° 9	2°56	8°22	12°55	20°41	20°55	11°46	n.a.	W28
T 29	4 10 18	2°37'29	28° 5	25°15	13° 6	28°25	29° 3	8° 5	2°59	8°22	12°57	20°38	20°51	11°52	n.a.	T 29
F 30	4 14 14	3♐38'44	9♈53	26♏49	14♐21	28♈17	29♌ 7	8♋ 2	3♑ 2	8♓22	12♑58	20♌33	20♌48	11♈59	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s 2	6s10	2s13	3s36	2n15	14s 2	0n18	14n16	0n23	14n 4	1n11	23n30	0n 4	24s 8	0s24	10s 1	1s40	30s52	7s45	13n46	14n15	0n 5		n.a.
F 2	13 23	2 14	3 6	4 9	2 10	14 29	0 15	14 11	0 26	14 2	1 12	23 30	0 4	24 8	0 24	10 2	1 40	30 52	7 45	13 48	14 16	0 8		n.a.
S 3	13 44	1n48	3 51	4 43	2 5	14 56	0 13	14 5	0 29	13 59	1 12	23 30	0 4	24 8	0 24	10 2	1 40	30 52	7 45	13 51	14 17	0 10		n.a.
S 4	14 4	5 46	4 26	5 19	2 0	15 22	0 11	14 0	0 31	13 57	1 12	23 30	0 4	24 8	0 24	10 2	1 40	30 52	7 44	13 55	14 18	0 12		n.a.
M 5	14 24	9 33	4 49	5 55	1 54	15 47	0 8	13 55	0 34	13 54	1 12	23 30	0 4	24 8	0 24	10 2	1 40	30 51	7 44	14 0	14 19	0 14		n.a.
T 6	14 44	12 59	5 0	6 31	1 49	16 12	0 6	13 49	0 36	13 52	1 13	23 30	0 4	24 8	0 24	10 2	1 40	30 51	7 44	14 4	14 20	0 16		n.a.
W 7	15 3	15 55	4 57	7 9	1 42	16 37	0 4	13 44	0 39	13 50	1 13	23 31	0 4	24 8	0 24	10 3	1 40	30 51	7 44	14 9	14 21	0 18		n.a.
T 8	15 23	18 9	4 40	7 46	1 36	17 1	0 1	13 39	0 42	13 47	1 13	23 31	0 5	24 8	0 24	10 3	1 40	30 51	7 44	14 13	14 22	0 20		n.a.
F 9	15 42	19 33	4 9	8 24	1 29	17 25	0s 1	13 34	0 44	13 45	1 13	23 31	0 5	24 8	0 24	10 3	1 40	30 50	7 44	14 16	14 23	0 22		n.a.
S 10	16 1	20 0	3 25	9 2	1 23	17 49	0 4	13 29	0 46	13 43	1 14	23 31	0 5	24 8	0 24	10 3	1 39	30 50	7 44	14 19	14 24	0 24		n.a.
S 11	16 19	19 24	2 30	9 40	1 16	18 12	0 6	13 24	0 49	13 41	1 14	23 31	0 5	24 8	0 24	10 3	1 39	30 50	7 44	14 20	14 25	0 26		n.a.
M12	16 37	17 44	1 26	10 19	1 9	18 34	0 8	13 19	0 51	13 38	1 14	23 32	0 5	24 8	0 24	10 3	1 39	30 50	7 44	14 20	14 26	0 29		n.a.
T 13	16 55	15 3	0 16	10 57	1 2	18 56	0 11	13 14	0 54	13 36	1 14	23 32	0 5	24 8	0 24	10 4	1 39	30 50	7 43	14 20	14 27	0 31		n.a.
W14	17 13	11 27	0n57	11 34	0 55	19 17	0 13	13 9	0 56	13 34	1 15	23 32	0 5	24 8	0 24	10 4	1 39	30 49	7 43	14 20	14 28	0 33		n.a.
T 15	17 30	7 6	2 9	12 12	0 48	19 38	0 16	13 5	0 58	13 32	1 15	23 32	0 5	24 8	0 24	10 4	1 39	30 49	7 43	14 21	14 29	0 35		n.a.
F 16	17 47	2 16	3 13	12 49	0 40	19 58	0 18	13 0	1 0	13 31	1 15	23 33	0 5	24 8	0 24	10 4	1 39	30 49	7 43	14 22	14 30	0 37		n.a.
S 17	18 4	2s48	4 6	13 26	0 33	20 18	0 20	12 56	1 2	13 29	1 16	23 33	0 6	24 8	0 24	10 4	1 39	30 49	7 43	14 25	14 31	0 39		n.a.
S 18	18 20	7 45	4 42	14 3	0 26	20 37	0 23	12 52	1 4	13 27	1 16	23 33	0 6	24 8	0 24	10 4	1 39	30 48	7 43	14 28	14 32	0 41		n.a.
M19	18 37	12 13	4 59	14 39	0 19	20 56	0 25	12 48	1 6	13 25	1 16	23 34	0 6	24 7	0 24	10 4	1 39	30 48	7 43	14 32	14 33	0 43		n.a.
T 20	18 52	15 53	4 56	15 14	0 12	21 14	0 27	12 44	1 8	13 24	1 16	23 34	0 6	24 7	0 24	10 4	1 39	30 48	7 43	14 36	14 34	0 45		n.a.
W21	19 8	18 29	4 33	15 49	0 5	21 31	0 30	12 41	1 10	13 22	1 17	23 34	0 6	24 7	0 24	10 4	1 39	30 48	7 43	14 39	14 35	0 48		n.a.
T 22	19 23	19 51	3 53	16 24	0s 2	21 48	0 32	12 37	1 12	13 20	1 17	23 34	0 6	24 7	0 24	10 4	1 39	30 48	7 43	14 42	14 36	0 50		n.a.
F 23	19 37	20 0	3 2	16 57	0 8	22 4	0 34	12 34	1 14	13 19	1 17	23 35	0 6	24 7	0 24	10 4	1 39	30 47	7 42	14 45	14 37	0 52		n.a.
S 24	19 51	19 2	2 2	17 31	0 15	22 19	0 36	12 31	1 15	13 17	1 18	23 35	0 6	24 7	0 24	10 4	1 39	30 47	7 42	14 46	14 38	0 54		n.a.
S 25	20 5	17 6	0 57	18 3	0 22	22 34	0 39	12 29	1 17	13 16	1 18	23 35	0 6	24 7	0 24	10 4	1 39	30 47	7 42	14 47	14 39	0 56		n.a.
M26	20 19	14 25	0s 8	18 35	0 28	22 48	0 41	12 26	1 19	13 15	1 18	23 36	0 7	24 7	0 24	10 4	1 39	30 47	7 42	14 47	14 40	0 58		n.a.
T 27	20 32	11 10	1 12	19 6	0 35	23 2	0 43	12 24	1 20	13 13	1 18	23 36	0 7	24 7	0 24	10 4	1 39	30 46	7 42	14 47	14 42	1 0		n.a.
W28	20 45	7 30	2 11	19 36	0 41	23 14	0 45	12 22	1 22	13 12	1 19	23 36	0 7	24 7	0 24	10 4	1 39	30 46	7 42	14 47	14 43	1 2		n.a.
T 29	20 57	3 35	3 4	20 5	0 47	23 27	0 47	12 20	1 23	13 11	1 19	23 37	0 7	24 7	0 24	10 4	1 39	30 46	7 42	14 48	14 44	1 4		n.a.
F 30	21s 9	0n27	3s49	20s33	0s53	23s38	0s49	12n19	1n25	13n10	1n19	23n37	0n 7	24s 7	0s24	10s 3	1s38	30s46	7s42	14n50	14n45	1n 7		n.a.

Julian Day Number = 1560652.5, Delta T = 04h24m26s
Ecliptic obliquity = 23°44'48, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'05, Lahiri = -10°02'04 Julian Calendar 1 Nov. 441 BCE == Greg. Calendar 27 Oct. 441 BCE

The year -440 astronomical counting style corresponds to year 441 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 441 BCE
geocentric

DECEMBER 441 BCE (-440) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 18 11	4♐39'59	21♈45	28♏23	15♐37	28°R11	29♌11	7°R58	3♑ 5	8♓22	13♑ 0	20°R24	20♌45	12♈ 6	n.a.	S 1
S 2	4 22 8	5°41'14	3♉44	29°58	16°52	28♈ 5	29°14	7♋55	3° 9	8°22	13° 1	20♌14	20°42	12°13	n.a.	S 2
M 3	4 26 4	6°42'28	15°52	1♐33	18° 7	28° 0	29°17	7°51	3°12	8°23	13° 3	20° 1	20°39	12°19	n.a.	M 3
T 4	4 30 1	7°43'42	28°11	3° 8	19°22	27°56	29°20	7°47	3°15	8°23	13° 4	19°47	20°36	12°26	n.a.	T 4
W 5	4 33 57	8°44'56	10♊41	4°44	20°38	27°52	29°23	7°43	3°18	8°23	13° 6	19°34	20°32	12°33	n.a.	W 5
T 6	4 37 54	9°46'10	23°23	6°20	21°53	27°50	29°26	7°39	3°22	8°24	13° 7	19°22	20°29	12°39	n.a.	T 6
F 7	4 41 50	10°47'24	6♋16	7°57	23° 8	27°48	29°29	7°35	3°25	8°24	13° 9	19°12	20°26	12°46	n.a.	F 7
S 8	4 45 47	11°48'37	19°19	9°34	24°23	27°47	29°31	7°31	3°28	8°25	13°10	19° 6	20°23	12°53	n.a.	S 8
S 9	4 49 43	12°49'50	2♌33	11°11	25°39	27°D46	29°33	7°27	3°32	8°25	13°12	19° 2	20°20	12°59	n.a.	S 9
M10	4 53 40	13°51'02	15°58	12°49	26°54	27°47	29°35	7°22	3°35	8°26	13°14	19°D 1	20°17	13° 6	n.a.	M10
T 11	4 57 37	14°52'15	29°35	14°28	28° 9	27°48	29°37	7°18	3°38	8°26	13°15	19° 1	20°13	13°13	n.a.	T 11
W12	5 1 33	15°53'27	13♍25	16° 7	29°24	27°50	29°39	7°14	3°42	8°27	13°17	19°R 2	20°10	13°20	n.a.	W12
T 13	5 5 30	16°54'39	27°27	17°46	0♑39	27°53	29°40	7° 9	3°45	8°27	13°19	19° 1	20° 7	13°26	n.a.	T 13
F 14	5 9 26	17°55'51	11♎43	19°26	1°54	27°56	29°42	7° 5	3°49	8°28	13°20	18°59	20° 4	13°33	n.a.	F 14
S 15	5 13 23	18°57'02	26° 9	21° 6	3°10	28° 0	29°43	7° 0	3°52	8°29	13°22	18°54	20° 1	13°40	n.a.	S 15
S 16	5 17 19	19°58'13	10♏41	22°47	4°25	28° 5	29°44	6°56	3°55	8°29	13°24	18°47	19°57	13°46	n.a.	S 16
M17	5 21 16	20°59'23	25°15	24°28	5°40	28°11	29°44	6°51	3°59	8°30	13°25	18°38	19°54	13°53	n.a.	M17
T 18	5 25 12	22° 0'33	9♐44	26°10	6°55	28°17	29°45	6°47	4° 2	8°31	13°27	18°28	19°51	14° 0	n.a.	T 18
W19	5 29 9	23° 1'42	24° 0	27°52	8°10	28°24	29°45	6°42	4° 6	8°32	13°29	18°19	19°48	14° 6	n.a.	W19
T 20	5 33 6	24° 2'50	7♑58	29°35	9°25	28°32	29°R45	6°37	4° 9	8°33	13°30	18°11	19°45	14°13	n.a.	T 20
F 21	5 37 2	25° 3'58	21°33	1♑18	10°40	28°40	29°45	6°33	4°13	8°34	13°32	18° 5	19°42	14°20	n.a.	F 21
S 22	5 40 59	26° 5'04	4♒44	3° 2	11°55	28°49	29°45	6°28	4°16	8°35	13°34	18° 2	19°38	14°27	n.a.	S 22
S 23	5 44 55	27° 6'09	17°33	4°46	13°10	28°58	29°44	6°23	4°20	8°35	13°36	18°D 1	19°35	14°33	n.a.	S 23
M24	5 48 52	28° 7'13	0♓ 0	6°30	14°25	29° 9	29°44	6°18	4°23	8°36	13°37	18° 2	19°32	14°40	n.a.	M24
T 25	5 52 48	29° 8'15	12°11	8°14	15°40	29°19	29°43	6°13	4°27	8°38	13°39	18° 3	19°29	14°47	n.a.	T 25
W26	5 56 45	0♑ 9'17	24°10	9°59	16°55	29°31	29°42	6° 8	4°30	8°39	13°41	18° 4	19°26	14°53	n.a.	W26
T 27	6 0 42	1°10'16	6♈ 2	11°43	18°10	29°42	29°41	6° 4	4°34	8°40	13°43	18°R 4	19°23	15° 0	n.a.	T 27
F 28	6 4 38	2°11'15	17°52	13°28	19°25	29°55	29°39	5°59	4°37	8°41	13°44	18° 2	19°19	15° 7	n.a.	F 28
S 29	6 8 35	3°12'12	29°46	15°12	20°40	0♉ 8	29°38	5°54	4°41	8°42	13°46	17°59	19°16	15°13	n.a.	S 29
S 30	6 12 31	4°13'08	11♉47	16°55	21°55	0°21	29°36	5°49	4°44	8°43	13°48	17°53	19°13	15°20	n.a.	S 30
M31	6 16 28	5♑14'02	24♉ 0	18♑37	23♑10	0♉35	29♌34	5♋44	4♑48	8♓44	13♑50	17♌46	19♌10	15♈27	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s21	4n30	4s25	21s 1	0s59	23s48	0s51	12n18	1n26	13n 9	1n20	23n37	0n 7	24s 7	0s24	10s 3	1s38	30s46	7s42	14n52	14n46	1n 9		n.a.
S 2	21 32	8 24	4 49	21 27	1 4	23 58	0 53	12 17	1 27	13 8	1 20	23 38	0 7	24 7	0 24	10 3	1 38	30 45	7 42	14 56	14 47	1 11		n.a.
M 3	21 42	12 1	5 0	21 53	1 10	24 8	0 55	12 16	1 29	13 7	1 20	23 38	0 7	24 6	0 24	10 3	1 38	30 45	7 42	15 0	14 48	1 13		n.a.
T 4	21 53	15 10	4 58	22 17	1 15	24 16	0 57	12 16	1 30	13 6	1 20	23 38	0 8	24 6	0 24	10 3	1 38	30 45	7 42	15 4	14 49	1 15		n.a.
W 5	22 3	17 42	4 41	22 40	1 20	24 24	0 59	12 16	1 31	13 5	1 21	23 39	0 8	24 6	0 24	10 3	1 38	30 45	7 42	15 8	14 50	1 17		n.a.
T 6	22 12	19 25	4 10	23 2	1 25	24 31	1 1	12 16	1 32	13 5	1 21	23 39	0 8	24 6	0 24	10 2	1 38	30 45	7 42	15 12	14 51	1 19		n.a.
F 7	22 21	20 10	3 26	23 23	1 30	24 37	1 3	12 16	1 33	13 4	1 21	23 39	0 8	24 6	0 24	10 2	1 38	30 44	7 42	15 15	14 52	1 21		n.a.
S 8	22 30	19 51	2 31	23 43	1 34	24 42	1 5	12 17	1 34	13 4	1 22	23 40	0 8	24 6	0 24	10 2	1 38	30 44	7 41	15 17	14 53	1 24		n.a.
S 9	22 38	18 26	1 26	24 2	1 38	24 47	1 6	12 18	1 35	13 3	1 22	23 40	0 8	24 6	0 24	10 2	1 38	30 44	7 41	15 18	14 54	1 26		n.a.
M10	22 45	16 0	0 16	24 19	1 42	24 51	1 8	12 19	1 36	13 3	1 22	23 40	0 8	24 6	0 24	10 2	1 38	30 44	7 41	15 19	14 55	1 28		n.a.
T 11	22 53	12 38	0n56	24 35	1 46	24 54	1 10	12 20	1 37	13 2	1 23	23 41	0 8	24 6	0 24	10 1	1 38	30 43	7 41	15 19	14 56	1 30		n.a.
W12	22 59	8 32	2 6	24 49	1 49	24 56	1 11	12 21	1 38	13 2	1 23	23 41	0 8	24 6	0 24	10 1	1 38	30 43	7 41	15 19	14 57	1 32		n.a.
T 13	23 6	3 55	3 10	25 2	1 52	24 58	1 13	12 23	1 39	13 2	1 23	23 42	0 9	24 6	0 24	10 1	1 38	30 43	7 41	15 19	14 58	1 34		n.a.
F 14	23 11	0s58	4 3	25 13	1 55	24 58	1 14	12 25	1 39	13 2	1 24	23 42	0 9	24 5	0 24	10 0	1 38	30 43	7 41	15 20	14 59	1 36		n.a.
S 15	23 17	5 52	4 41	25 23	1 57	24 58	1 16	12 27	1 40	13 1	1 24	23 42	0 9	24 5	0 24	10 0	1 38	30 43	7 41	15 21	15 0	1 38		n.a.
S 16	23 22	10 27	5 2	25 32	1 59	24 57	1 17	12 30	1 41	13 1	1 24	23 43	0 9	24 5	0 24	10 0	1 38	30 42	7 41	15 23	15 1	1 41		n.a.
M17	23 26	14 26	5 2	25 38	2 0	24 56	1 19	12 33	1 42	13 1	1 24	23 43	0 9	24 5	0 24	9 59	1 38	30 42	7 41	15 26	15 2	1 43		n.a.
T 18	23 30	17 31	4 44	25 43	2 2	24 54	1 20	12 35	1 42	13 2	1 25	23 43	0 9	24 5	0 24	9 59	1 38	30 42	7 41	15 29	15 3	1 45		n.a.
W19	23 34	19 29	4 8	25 46	2 2	24 50	1 21	12 39	1 43	13 2	1 25	23 44	0 9	24 5	0 24	9 59	1 38	30 42	7 41	15 32	15 4	1 47		n.a.
T 20	23 37	20 13	3 18	25 48	2 3	24 47	1 22	12 42	1 44	13 2	1 25	23 44	0 9	24 5	0 24	9 58	1 38	30 42	7 41	15 35	15 5	1 49		n.a.
F 21	23 39	19 44	2 17	25 47	2 3	24 42	1 23	12 45	1 44	13 2	1 26	23 44	0 9	24 5	0 24	9 58	1 37	30 41	7 41	15 36	15 6	1 51		n.a.
S 22	23 41	18 11	1 11	25 45	2 2	24 36	1 24	12 49	1 45	13 3	1 26	23 45	0 10	24 5	0 24	9 58	1 37	30 41	7 41	15 37	15 7	1 53		n.a.
S 23	23 43	15 44	0 3	25 40	2 1	24 30	1 25	12 53	1 45	13 3	1 26	23 45	0 10	24 5	0 24	9 57	1 37	30 41	7 41	15 38	15 8	1 56		n.a.
M24	23 44	12 37	1s 4	25 34	1 59	24 23	1 26	12 57	1 46	13 4	1 27	23 45	0 10	24 4	0 24	9 57	1 37	30 41	7 41	15 37	15 9	1 58		n.a.
T 25	23 45	9 1	2 7	25 26	1 57	24 15	1 27	13 1	1 46	13 4	1 27	23 46	0 10	24 4	0 24	9 56	1 37	30 41	7 41	15 37	15 10	2 0		n.a.
W26	23 45	5 8	3 2	25 16	1 54	24 7	1 28	13 6	1 46	13 5	1 27	23 46	0 10	24 4	0 24	9 56	1 37	30 41	7 41	15 37	15 11	2 2		n.a.
T 27	23 44	1 5	3 50	25 4	1 51	23 58	1 29	13 10	1 47	13 6	1 28	23 46	0 10	24 4	0 24	9 55	1 37	30 40	7 41	15 37	15 12	2 4		n.a.
F 28	23 44	2n59	4 27	24 50	1 47	23 48	1 30	13 15	1 47	13 6	1 28	23 47	0 10	24 4	0 24	9 55	1 37	30 40	7 41	15 37	15 13	2 6		n.a.
S 29	23 42	6 57	4 54	24 33	1 42	23 37	1 30	13 20	1 48	13 7	1 28	23 47	0 10	24 4	0 24	9 55	1 37	30 40	7 41	15 38	15 14	2 8		n.a.
S 30	23 41	10 42	5 7	24 15	1 36	23 26	1 31	13 25	1 48	13 8	1 28	23 47	0 10	24 4	0 24	9 54	1 37	30 40	7 41	15 40	15 15	2 11		n.a.
M31	23s38	14n 3	5s 7	23s55	1s30	23s14	1s31	13n31	1n48	13n 9	1n29	23n48	0n11	24s 4	0s24	9s54	1s37	30s40	7s41	15n42	15n16	2n13		n.a.

Julian Day Number = 1560682.5, Delta T = 04h24m24s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°09'01, Lahiri = -10°02'00 Julian Calendar 1 Dec. 441 BCE == Greg. Calendar 26 Nov. 441 BCE

The year -440 astronomical counting style corresponds to year 441 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

JANUARY 440 BCE (-439) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 20 24	6♑14'55	6♊27	20♑19	24♑24	0♉50	29°R32	5°R39	4♑51	8♓46	13♑51	17°R39	19♌ 7	15♈34	n.a.	T 1
W 2	6 24 21	7°15'46	19°10	21°59	25°39	1° 5	29♌29	5♋34	4°55	8°47	13°53	17♌31	19° 3	15°40	n.a.	W 2
T 3	6 28 17	8°16'36	2♋ 9	23°37	26°54	1°20	29°27	5°29	4°58	8°48	13°55	17°24	19° 0	15°47	n.a.	T 3
F 4	6 32 14	9°17'25	15°23	25°13	28° 9	1°36	29°24	5°24	5° 2	8°49	13°57	17°19	18°57	15°54	n.a.	F 4
S 5	6 36 11	10°18'12	28°51	26°46	29°23	1°53	29°21	5°19	5° 5	8°51	13°59	17°15	18°54	16° 0	n.a.	S 5
S 6	6 40 7	11°18'58	12♌30	28°16	0♒38	2°10	29°18	5°15	5° 9	8°52	14° 0	17°D14	18°51	16° 7	n.a.	S 6
M 7	6 44 4	12°19'43	26°20	29°42	1°53	2°27	29°15	5°10	5°12	8°54	14° 2	17°14	18°48	16°14	n.a.	M 7
T 8	6 48 0	13°20'26	10♍16	1♒ 3	3° 7	2°45	29°11	5° 5	5°16	8°55	14° 4	17°15	18°44	16°20	n.a.	T 8
W 9	6 51 57	14°21'08	24°19	2°19	4°22	3° 3	29° 8	5° 0	5°19	8°56	14° 6	17°17	18°41	16°27	n.a.	W 9
T 10	6 55 53	15°21'49	8♎26	3°29	5°37	3°22	29° 4	4°55	5°23	8°58	14° 8	17°18	18°38	16°34	n.a.	T 10
F 11	6 59 50	16°22'29	22°36	4°32	6°51	3°40	29° 0	4°51	5°26	8°59	14° 9	17°R18	18°35	16°41	n.a.	F 11
S 12	7 3 46	17°23'07	6♏47	5°28	8° 6	4° 0	28°56	4°46	5°30	9° 1	14°11	17°17	18°32	16°47	n.a.	S 12
S 13	7 7 43	18°23'45	20°56	6°16	9°20	4°20	28°52	4°41	5°33	9° 3	14°13	17°14	18°29	16°54	n.a.	S 13
M14	7 11 40	19°24'20	5♐ 2	6°55	10°35	4°40	28°47	4°36	5°37	9° 4	14°15	17°10	18°25	17° 1	n.a.	M14
T 15	7 15 36	20°24'55	19° 0	7°25	11°49	5° 0	28°42	4°32	5°40	9° 6	14°17	17° 6	18°22	17° 7	n.a.	T 15
W16	7 19 33	21°25'28	2♑48	7°45	13° 4	5°21	28°38	4°27	5°43	9° 7	14°18	17° 2	18°19	17°14	n.a.	W16
T 17	7 23 29	22°25'59	16°21	7°R54	14°18	5°42	28°33	4°23	5°47	9° 9	14°20	16°59	18°16	17°21	n.a.	T 17
F 18	7 27 26	23°26'29	29°38	7°54	15°33	6° 4	28°28	4°18	5°50	9°11	14°22	16°56	18°13	17°27	n.a.	F 18
S 19	7 31 22	24°26'56	12♒38	7°43	16°47	6°25	28°22	4°14	5°54	9°13	14°24	16°D55	18° 9	17°34	n.a.	S 19
S 20	7 35 19	25°27'22	25°19	7°23	18° 1	6°48	28°17	4° 9	5°57	9°14	14°26	16°56	18° 6	17°41	n.a.	S 20
M21	7 39 15	26°27'46	7♓44	6°53	19°16	7°10	28°11	4° 5	6° 0	9°16	14°27	16°57	18° 3	17°48	n.a.	M21
T 22	7 43 12	27°28'08	19°55	6°14	20°30	7°33	28° 6	4° 1	6° 4	9°18	14°29	16°58	18° 0	17°54	n.a.	T 22
W23	7 47 9	28°28'28	1♈55	5°28	21°44	7°56	28° 0	3°56	6° 7	9°20	14°31	17° 0	17°57	18° 1	n.a.	W23
T 24	7 51 5	29°28'45	13°48	4°35	22°58	8°19	27°54	3°52	6°10	9°21	14°33	17° 1	17°54	18° 8	n.a.	T 24
F 25	7 55 2	0♒29'01	25°40	3°37	24°12	8°43	27°48	3°48	6°14	9°23	14°34	17°R 2	17°50	18°14	n.a.	F 25
S 26	7 58 58	1°29'14	7♉34	2°36	25°27	9° 7	27°41	3°44	6°17	9°25	14°36	17° 2	17°47	18°21	n.a.	S 26
S 27	8 2 55	2°29'25	19°36	1°33	26°41	9°31	27°35	3°40	6°20	9°27	14°38	17° 1	17°44	18°28	n.a.	S 27
M28	8 6 51	3°29'34	1♊49	0°29	27°55	9°56	27°29	3°36	6°23	9°29	14°40	17° 0	17°41	18°35	n.a.	M28
T 29	8 10 48	4°29'41	14°19	29♑26	29° 9	10°21	27°22	3°32	6°27	9°31	14°41	16°58	17°38	18°41	n.a.	T 29
W30	8 14 44	5°29'46	27° 8	28°26	0♓23	10°46	27°15	3°28	6°30	9°33	14°43	16°56	17°35	18°48	n.a.	W30
T 31	8 18 41	6♒29'49	10♋17	27♑30	1♓36	11♉11	27♌ 9	3♋25	6♑33	9♓35	14♑45	16♌55	17♌31	18♈55	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23s36	16n52	4s53	23s33	1s23	23s 1	1s32	13n36	1n49	13n10	1n29	23n48	0n11	24s 3	0s24	9s53	1s37	30s40	7s41	15n45	15n17	2n15			n.a.
W 2	23 33	18 55	4 23	23 10	1 15	22 48	1 32	13 42	1 49	13 11	1 29	23 48	0 11	24 3	0 24	9 53	1 37	30 39	7 41	15 47	15 18	2 17			n.a.
T 3	23 29	20 3	3 40	22 45	1 7	22 33	1 32	13 48	1 49	13 13	1 30	23 49	0 11	24 3	0 24	9 52	1 37	30 39	7 41	15 49	15 19	2 19			n.a.
F 4	23 25	20 7	2 44	22 18	0 57	22 19	1 33	13 53	1 49	13 14	1 30	23 49	0 11	24 3	0 24	9 51	1 37	30 39	7 41	15 51	15 20	2 21			n.a.
S 5	23 20	19 3	1 38	21 50	0 47	22 3	1 33	13 59	1 50	13 15	1 30	23 49	0 11	24 3	0 24	9 51	1 37	30 39	7 42	15 52	15 21	2 23			n.a.
S 6	23 15	16 51	0 26	21 21	0 35	21 47	1 33	14 6	1 50	13 16	1 31	23 50	0 11	24 3	0 24	9 50	1 37	30 39	7 42	15 52	15 22	2 26			n.a.
M 7	23 10	13 41	0n49	20 51	0 23	21 30	1 33	14 12	1 50	13 18	1 31	23 50	0 11	24 3	0 24	9 50	1 37	30 39	7 42	15 52	15 23	2 28			n.a.
T 8	23 4	9 42	2 2	20 21	0 10	21 13	1 33	14 18	1 50	13 19	1 31	23 50	0 11	24 3	0 24	9 49	1 37	30 38	7 42	15 52	15 24	2 30			n.a.
W 9	22 58	5 10	3 9	19 51	0n 3	20 55	1 33	14 25	1 50	13 21	1 31	23 51	0 12	24 2	0 24	9 49	1 37	30 38	7 42	15 51	15 25	2 32			n.a.
T 10	22 51	0 21	4 4	19 20	0 18	20 36	1 33	14 31	1 51	13 23	1 32	23 51	0 12	24 2	0 24	9 48	1 37	30 38	7 42	15 51	15 26	2 34			n.a.
F 11	22 44	4s30	4 44	18 51	0 33	20 17	1 32	14 38	1 51	13 24	1 32	23 51	0 12	24 2	0 24	9 47	1 37	30 38	7 42	15 51	15 27	2 36			n.a.
S 12	22 36	9 6	5 8	18 22	0 49	19 57	1 32	14 45	1 51	13 26	1 32	23 51	0 12	24 2	0 24	9 47	1 37	30 38	7 42	15 51	15 28	2 38			n.a.
S 13	22 28	13 12	5 12	17 54	1 5	19 37	1 32	14 52	1 51	13 28	1 32	23 52	0 12	24 2	0 24	9 46	1 36	30 38	7 42	15 52	15 29	2 41			n.a.
M14	22 19	16 32	4 58	17 28	1 21	19 16	1 31	14 59	1 51	13 30	1 33	23 52	0 12	24 2	0 24	9 45	1 36	30 38	7 42	15 53	15 30	2 43			n.a.
T 15	22 10	18 52	4 26	17 5	1 38	18 55	1 31	15 6	1 51	13 31	1 33	23 52	0 12	24 2	0 24	9 45	1 36	30 38	7 42	15 55	15 31	2 45			n.a.
W16	22 1	20 4	3 39	16 43	1 55	18 33	1 30	15 13	1 51	13 33	1 33	23 53	0 12	24 2	0 24	9 44	1 36	30 37	7 42	15 56	15 32	2 47			n.a.
T 17	21 51	20 5	2 40	16 25	2 11	18 10	1 29	15 20	1 51	13 35	1 34	23 53	0 12	24 1	0 24	9 43	1 36	30 37	7 42	15 57	15 33	2 49			n.a.
F 18	21 41	18 58	1 34	16 9	2 27	17 47	1 29	15 28	1 51	13 37	1 34	23 53	0 13	24 1	0 24	9 43	1 36	30 37	7 42	15 58	15 34	2 51			n.a.
S 19	21 30	16 51	0 24	15 57	2 43	17 24	1 28	15 35	1 51	13 39	1 34	23 53	0 13	24 1	0 24	9 42	1 36	30 37	7 43	15 58	15 35	2 54			n.a.
S 20	21 19	13 58	0s46	15 49	2 57	17 0	1 27	15 42	1 51	13 42	1 34	23 54	0 13	24 1	0 24	9 41	1 36	30 37	7 43	15 58	15 36	2 56			n.a.
M21	21 8	10 31	1 52	15 43	3 10	16 36	1 26	15 50	1 51	13 44	1 34	23 54	0 13	24 1	0 24	9 41	1 36	30 37	7 43	15 57	15 37	2 58			n.a.
T 22	20 56	6 41	2 52	15 42	3 22	16 11	1 25	15 58	1 51	13 46	1 35	23 54	0 13	24 1	0 24	9 40	1 36	30 37	7 43	15 57	15 38	3 0			n.a.
W23	20 44	2 38	3 44	15 43	3 32	15 46	1 24	16 5	1 51	13 48	1 35	23 54	0 13	24 1	0 24	9 39	1 36	30 37	7 43	15 56	15 39	3 2			n.a.
T 24	20 31	1n27	4 25	15 48	3 40	15 20	1 23	16 13	1 51	13 51	1 35	23 54	0 13	24 0	0 24	9 39	1 36	30 37	7 43	15 56	15 40	3 4			n.a.
F 25	20 18	5 29	4 55	15 56	3 46	14 54	1 22	16 21	1 51	13 53	1 35	23 55	0 13	24 0	0 24	9 38	1 36	30 36	7 43	15 56	15 41	3 6			n.a.
S 26	20 5	9 18	5 12	16 6	3 50	14 28	1 20	16 28	1 51	13 55	1 36	23 55	0 13	24 0	0 24	9 37	1 36	30 36	7 43	15 56	15 42	3 9			n.a.
S 27	19 51	12 47	5 16	16 18	3 52	14 1	1 19	16 36	1 51	13 58	1 36	23 55	0 13	24 0	0 24	9 36	1 36	30 36	7 43	15 56	15 43	3 11			n.a.
M28	19 37	15 48	5 6	16 33	3 51	13 34	1 17	16 44	1 51	14 0	1 36	23 55	0 13	24 0	0 24	9 36	1 36	30 36	7 44	15 57	15 44	3 13			n.a.
T 29	19 23	18 10	4 41	16 48	3 49	13 6	1 16	16 52	1 51	14 3	1 36	23 55	0 14	24 0	0 24	9 35	1 36	30 36	7 44	15 57	15 45	3 15			n.a.
W30	19 8	19 41	4 2	17 5	3 44	12 38	1 14	17 0	1 51	14 5	1 36	23 56	0 14	24 0	0 24	9 34	1 36	30 36	7 44	15 58	15 46	3 17			n.a.
T 31	18s53	20n12	3s 9	17s22	3n38	12s10	1s13	17n 8	1n51	14n 8	1n37	23n56	0n14	23s59	0s24	9s33	1s36	30s36	7s44	15n58	15n47	3n19			n.a.

Julian Day Number = 1560713.5, Delta T = 04h24m23s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'56, Lahiri = -10°01'56 Julian Calendar 1 Jan. 440 BCE == Greg. Calendar 27 Dec. 441 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

FEBRUARY 440 BCE (-439) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 22 38	7♒29'49	23♋46	26°R38	2♓50	11♉36	27°R 2	3°R21	6♏36	9♓37	14♏46	16°R54	17♌28	19♈ 1	n.a.	F 1
S 2	8 26 34	8°29'47	7♌36	25♏51	4° 4	12° 2	26♌55	3♋18	6°39	9°39	14°48	16♌53	17°25	19° 8	n.a.	S 2
S 3	8 30 31	9°29'44	21°41	25°11	5°18	12°28	26°48	3°14	6°42	9°41	14°50	16°D53	17°22	19°15	n.a.	S 3
M 4	8 34 27	10°29'38	5♍59	24°37	6°32	12°54	26°41	3°11	6°45	9°43	14°51	16°53	17°19	19°21	n.a.	M 4
T 5	8 38 24	11°29'30	20°24	24° 9	7°45	13°21	26°33	3° 7	6°48	9°45	14°53	16°54	17°15	19°28	n.a.	T 5
W 6	8 42 20	12°29'21	4♎52	23°48	8°59	13°47	26°26	3° 4	6°51	9°47	14°55	16°54	17°12	19°35	n.a.	W 6
T 7	8 46 17	13°29'09	19°17	23°34	10°12	14°14	26°19	3° 1	6°54	9°49	14°56	16°55	17° 9	19°42	n.a.	T 7
F 8	8 50 13	14°28'56	3♏36	23°26	11°26	14°41	26°11	2°58	6°57	9°51	14°58	16°55	17° 6	19°48	n.a.	F 8
S 9	8 54 10	15°28'41	17°46	23°D25	12°39	15° 8	26° 4	2°55	7° 0	9°53	15° 0	16°R55	17° 3	19°55	n.a.	S 9
S 10	8 58 7	16°28'25	1♐45	23°30	13°53	15°35	25°56	2°52	7° 3	9°55	15° 1	16°D55	17° 0	20° 2	n.a.	S 10
M11	9 2 3	17°28'06	15°31	23°40	15° 6	16° 3	25°49	2°49	7° 6	9°57	15° 3	16°55	16°56	20° 8	n.a.	M11
T 12	9 6 0	18°27'46	29° 5	23°56	16°20	16°31	25°41	2°47	7° 9	9°59	15° 4	16°55	16°53	20°15	n.a.	T 12
W13	9 9 56	19°27'24	12♑25	24°17	17°33	16°59	25°33	2°44	7°12	10° 2	15° 6	16°55	16°50	20°22	n.a.	W13
T 14	9 13 53	20°27'00	25°32	24°43	18°46	17°27	25°26	2°42	7°15	10° 4	15° 7	16°56	16°47	20°29	n.a.	T 14
F 15	9 17 49	21°26'33	8♒25	25°14	19°59	17°55	25°18	2°39	7°17	10° 6	15° 9	16°56	16°44	20°35	n.a.	F 15
S 16	9 21 46	22°26'05	21° 6	25°49	21°13	18°24	25°10	2°37	7°20	10° 8	15°10	16°R56	16°41	20°42	n.a.	S 16
S 17	9 25 42	23°25'35	3♓34	26°28	22°26	18°52	25° 2	2°35	7°23	10°10	15°12	16°56	16°37	20°49	n.a.	S 17
M18	9 29 39	24°25'02	15°50	27°11	23°39	19°21	24°55	2°32	7°26	10°12	15°13	16°55	16°34	20°55	n.a.	M18
T 19	9 33 35	25°24'27	27°56	27°58	24°52	19°50	24°47	2°30	7°28	10°15	15°15	16°54	16°31	21° 2	n.a.	T 19
W20	9 37 32	26°23'50	9♈54	28°48	26° 5	20°19	24°39	2°29	7°31	10°17	15°16	16°53	16°28	21° 9	n.a.	W20
T 21	9 41 29	27°23'10	21°47	29°41	27°18	20°49	24°31	2°27	7°33	10°19	15°18	16°51	16°25	21°16	n.a.	T 21
F 22	9 45 25	28°22'28	3♉38	0♒37	28°30	21°18	24°24	2°25	7°36	10°21	15°19	16°50	16°21	21°22	n.a.	F 22
S 23	9 49 22	29°21'44	15°32	1°36	29°43	21°48	24°16	2°23	7°38	10°23	15°20	16°49	16°18	21°29	n.a.	S 23
S 24	9 53 18	0♓20'57	27°32	2°38	0♈56	22°17	24° 8	2°22	7°41	10°26	15°22	16°D48	16°15	21°36	n.a.	S 24
M25	9 57 15	1°20'08	9♊44	3°42	2° 8	22°47	24° 0	2°21	7°43	10°28	15°23	16°48	16°12	21°42	n.a.	M25
T 26	10 1 11	2°19'16	22°11	4°49	3°21	23°17	23°53	2°19	7°46	10°30	15°24	16°49	16° 9	21°49	n.a.	T 26
W27	10 5 8	3°18'23	4♋57	5°58	4°33	23°47	23°45	2°18	7°48	10°32	15°26	16°50	16° 6	21°56	n.a.	W27
T 28	10 9 4	4♓17'26	18♋ 7	7♒10	5♈46	24♉17	23♌38	2♋17	7♏50	10♓35	15♏27	16♌52	16♌ 2	22♈ 2	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s38	19n35	2s 5	17s40	3n30	11s42	1s11	17n16	1n51	14n10	1n37	23n56	0n14	23s59	0s25	9s33	1s36	30s36	7s44	15n58	15n48	3n22		n.a.
S 2	18 22	17 47	0 51	17 58	3 20	11 13	1 9	17 24	1 51	14 13	1 37	23 56	0 14	23 59	0 25	9 32	1 36	30 36	7 44	15 59	15 49	3 24		n.a.
S 3	18 6	14 53	0n27	18 16	3 9	10 44	1 8	17 32	1 51	14 15	1 37	23 56	0 14	23 59	0 25	9 31	1 36	30 36	7 44	15 59	15 50	3 26		n.a.
M 4	17 50	11 2	1 44	18 34	2 58	10 15	1 6	17 40	1 51	14 18	1 37	23 57	0 14	23 59	0 25	9 30	1 36	30 36	7 45	15 58	15 51	3 28		n.a.
T 5	17 33	6 32	2 55	18 50	2 46	9 45	1 4	17 48	1 51	14 21	1 37	23 57	0 14	23 59	0 25	9 29	1 36	30 36	7 45	15 58	15 52	3 30		n.a.
W 6	17 16	1 39	3 56	19 7	2 33	9 15	1 2	17 56	1 51	14 23	1 38	23 57	0 14	23 59	0 25	9 29	1 36	30 36	7 45	15 58	15 53	3 32		n.a.
T 7	16 59	3s19	4 41	19 22	2 19	8 45	1 0	18 4	1 51	14 26	1 38	23 57	0 14	23 58	0 25	9 28	1 36	30 36	7 45	15 58	15 54	3 35		n.a.
F 8	16 42	8 2	5 9	19 37	2 6	8 15	0 58	18 12	1 50	14 29	1 38	23 57	0 15	23 58	0 25	9 27	1 36	30 36	7 45	15 58	15 55	3 37		n.a.
S 9	16 24	12 16	5 17	19 51	1 52	7 45	0 55	18 20	1 50	14 31	1 38	23 57	0 15	23 58	0 25	9 26	1 36	30 36	7 45	15 58	15 56	3 39		n.a.
S 10	16 6	15 46	5 7	20 3	1 39	7 14	0 53	18 28	1 50	14 34	1 38	23 58	0 15	23 58	0 25	9 25	1 36	30 36	7 46	15 58	15 57	3 41		n.a.
M11	15 48	18 20	4 39	20 15	1 25	6 43	0 51	18 36	1 50	14 37	1 38	23 58	0 15	23 58	0 25	9 24	1 36	30 36	7 46	15 58	15 58	3 43		n.a.
T 12	15 29	19 49	3 56	20 25	1 11	6 12	0 49	18 45	1 50	14 40	1 38	23 58	0 15	23 58	0 25	9 24	1 36	30 36	7 46	15 58	15 58	3 45		n.a.
W13	15 10	20 10	3 0	20 35	0 58	5 41	0 46	18 53	1 50	14 42	1 38	23 58	0 15	23 58	0 25	9 23	1 36	30 36	7 46	15 58	15 59	3 48		n.a.
T 14	14 51	19 24	1 56	20 43	0 45	5 10	0 44	19 1	1 50	14 45	1 38	23 58	0 15	23 57	0 25	9 22	1 36	30 36	7 46	15 58	16 0	3 50		n.a.
F 15	14 32	17 38	0 47	20 50	0 33	4 39	0 41	19 8	1 50	14 48	1 39	23 58	0 15	23 57	0 25	9 21	1 36	30 36	7 46	15 58	16 1	3 52		n.a.
S 16	14 13	15 1	0s23	20 55	0 20	4 7	0 39	19 16	1 49	14 51	1 39	23 58	0 15	23 57	0 25	9 20	1 36	30 36	7 47	15 58	16 2	3 54		n.a.
S 17	13 53	11 44	1 31	21 0	0 8	3 36	0 36	19 24	1 49	14 53	1 39	23 59	0 15	23 57	0 25	9 19	1 36	30 36	7 47	15 58	16 3	3 56		n.a.
M18	13 33	8 1	2 33	21 2	0s 3	3 4	0 33	19 32	1 49	14 56	1 39	23 59	0 15	23 57	0 25	9 19	1 36	30 36	7 47	15 58	16 4	3 58		n.a.
T 19	13 13	4 1	3 28	21 4	0 14	2 32	0 31	19 40	1 49	14 59	1 39	23 59	0 15	23 57	0 25	9 18	1 36	30 36	7 47	15 58	16 5	4 1		n.a.
W20	12 53	0n 6	4 13	21 4	0 25	2 0	0 28	19 48	1 49	15 1	1 39	23 59	0 16	23 57	0 25	9 17	1 36	30 36	7 47	15 59	16 6	4 3		n.a.
T 21	12 32	4 10	4 47	21 3	0 35	1 29	0 25	19 56	1 49	15 4	1 39	23 59	0 16	23 57	0 25	9 16	1 36	30 36	7 48	15 59	16 7	4 5		n.a.
F 22	12 11	8 4	5 8	21 1	0 45	0 57	0 22	20 4	1 48	15 7	1 39	23 59	0 16	23 56	0 25	9 15	1 36	30 36	7 48	16 0	16 8	4 7		n.a.
S 23	11 51	11 40	5 16	20 57	0 55	0 25	0 20	20 11	1 48	15 9	1 39	23 59	0 16	23 56	0 25	9 14	1 36	30 36	7 48	16 0	16 9	4 9		n.a.
S 24	11 29	14 49	5 11	20 51	1 4	0n 7	0 17	20 19	1 48	15 12	1 39	23 59	0 16	23 56	0 25	9 13	1 36	30 36	7 48	16 0	16 10	4 11		n.a.
M25	11 8	17 23	4 52	20 44	1 12	0 39	0 14	20 27	1 48	15 15	1 39	23 59	0 16	23 56	0 25	9 13	1 36	30 36	7 48	16 0	16 11	4 14		n.a.
T 26	10 47	19 13	4 18	20 36	1 20	1 11	0 11	20 34	1 48	15 17	1 39	24 0	0 16	23 56	0 25	9 12	1 36	30 36	7 49	16 0	16 12	4 16		n.a.
W27	10 25	20 8	3 31	20 26	1 28	1 43	0 8	20 42	1 48	15 20	1 39	24 0	0 16	23 56	0 25	9 11	1 36	30 36	7 49	15 59	16 13	4 18		n.a.
T 28	10s 4	19n59	2s32	20s15	1s35	2n15	0s 5	20n49	1n47	15n22	1n39	24n 0	0n16	23s56	0s25	9s10	1s36	30s36	7s49	15n59	16n14	4n20		n.a.

Julian Day Number = 1560744.5, Delta T = 04h24m22s
Ecliptic obliquity = 23°44'48, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'52, Lahiri = -10°01'52 Julian Calendar 1 Feb. 440 BCE == Greg. Calendar 27 Jan. 440 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

MARCH 440 BCE (-439) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 13 1	5♓16'27	1♌42	8♒23	6♈58	24♉48	23°R30	2°R16	7♑53	10♓37	15♑28	16♌53	15♌59	22♈ 9	n.a.	F 1
S 2	10 16 58	6°15'26	15°42	9°38	8°11	25°18	23♌23	2♋15	7°55	10°39	15°30	16°R53	15°56	22°16	n.a.	S 2
S 3	10 20 54	7°14'23	0♍ 5	10°56	9°23	25°49	23°15	2°15	7°57	10°42	15°31	16°53	15°53	22°23	n.a.	S 3
M 4	10 24 51	8°13'18	14°46	12°15	10°35	26°20	23° 8	2°14	7°59	10°44	15°32	16°52	15°50	22°29	n.a.	M 4
T 5	10 28 47	9°12'10	29°38	13°36	11°47	26°50	23° 1	2°13	8° 1	10°46	15°33	16°49	15°46	22°36	n.a.	T 5
W 6	10 32 44	10°11'00	14♎34	15° 0	12°59	27°21	22°54	2°13	8° 3	10°48	15°34	16°46	15°43	22°43	n.a.	W 6
T 7	10 36 40	11° 9'49	29°24	16°24	14°11	27°52	22°47	2°13	8° 5	10°51	15°36	16°43	15°40	22°49	n.a.	T 7
F 8	10 40 37	12° 8'35	14♏ 2	17°51	15°23	28°24	22°40	2°12	8° 7	10°53	15°37	16°40	15°37	22°56	n.a.	F 8
S 9	10 44 33	13° 7'20	28°22	19°19	16°35	28°55	22°33	2°D12	8° 9	10°55	15°38	16°38	15°34	23° 3	n.a.	S 9
S 10	10 48 30	14° 6'03	12♐23	20°49	17°46	29°26	22°26	2°12	8°11	10°57	15°39	16°D37	15°31	23°10	n.a.	S 10
M11	10 52 26	15° 4'45	26° 3	22°21	18°58	29°58	22°19	2°13	8°13	11° 0	15°40	16°38	15°27	23°16	n.a.	M11
T 12	10 56 23	16° 3'24	9♑23	23°54	20° 9	0♊29	22°13	2°13	8°15	11° 2	15°41	16°39	15°24	23°23	n.a.	T 12
W13	11 0 20	17° 2'02	22°26	25°29	21°21	1° 1	22° 6	2°13	8°17	11° 4	15°42	16°41	15°21	23°30	n.a.	W13
T 14	11 4 16	18° 0'38	5♒12	27° 6	22°32	1°33	22° 0	2°14	8°18	11° 6	15°43	16°42	15°18	23°36	n.a.	T 14
F 15	11 8 13	18°59'12	17°46	28°44	23°44	2° 5	21°53	2°14	8°20	11° 9	15°44	16°R43	15°15	23°43	n.a.	F 15
S 16	11 12 9	19°57'44	0♓ 8	0♓24	24°55	2°37	21°47	2°15	8°22	11°11	15°45	16°42	15°12	23°50	n.a.	S 16
S 17	11 16 6	20°56'14	12°21	2° 5	26° 6	3° 9	21°41	2°16	8°23	11°13	15°46	16°39	15° 8	23°57	n.a.	S 17
M18	11 20 2	21°54'42	24°26	3°48	27°17	3°41	21°35	2°16	8°25	11°15	15°47	16°35	15° 5	24° 3	n.a.	M18
T 19	11 23 59	22°53'09	6♈25	5°33	28°28	4°13	21°29	2°17	8°26	11°18	15°48	16°29	15° 2	24°10	n.a.	T 19
W20	11 27 55	23°51'33	18°20	7°19	29°39	4°46	21°24	2°19	8°28	11°20	15°49	16°22	14°59	24°17	n.a.	W20
T 21	11 31 52	24°49'55	0♉11	9° 7	0♉50	5°18	21°18	2°20	8°29	11°22	15°50	16°15	14°56	24°23	n.a.	T 21
F 22	11 35 48	25°48'15	12° 3	10°57	2° 1	5°51	21°13	2°21	8°31	11°24	15°50	16° 8	14°52	24°30	n.a.	F 22
S 23	11 39 45	26°46'33	23°56	12°48	3°11	6°23	21° 8	2°22	8°32	11°26	15°51	16° 3	14°49	24°37	n.a.	S 23
S 24	11 43 42	27°44'49	5♊56	14°41	4°22	6°56	21° 3	2°24	8°33	11°29	15°52	15°58	14°46	24°44	n.a.	S 24
M25	11 47 38	28°43'03	18° 5	16°36	5°32	7°29	20°58	2°26	8°35	11°31	15°53	15°56	14°43	24°50	n.a.	M25
T 26	11 51 35	29°41'14	0♋28	18°32	6°43	8° 2	20°53	2°27	8°36	11°33	15°53	15°D55	14°40	24°57	n.a.	T 26
W27	11 55 31	0♈39'24	13°10	20°30	7°53	8°35	20°48	2°29	8°37	11°35	15°54	15°56	14°37	25° 4	n.a.	W27
T 28	11 59 28	1°37'31	26°15	22°29	9° 3	9° 8	20°44	2°31	8°38	11°37	15°55	15°57	14°33	25°10	n.a.	T 28
F 29	12 3 24	2°35'37	9♌46	24°31	10°13	9°41	20°40	2°33	8°39	11°40	15°55	15°R58	14°30	25°17	n.a.	F 29
S 30	12 7 21	3°33'40	23°45	26°33	11°23	10°14	20°35	2°35	8°40	11°42	15°56	15°58	14°27	25°24	n.a.	S 30
S 31	12 11 17	4♈31'41	8♍11	28♓37	12♉33	10♊47	20♌31	2♋38	8♑41	11♓44	15♑57	15♌56	14♌24	25♈31	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s42	18n41	1s23	20s 2	1s41	2n46	0s 2	20n57	1n47	15n25	1n39	24n 0	0n16	23s56	0s25	9s 9	1s36	30s36	7s49	15n59	16n15	4n22		n.a.
S 2	9 20	16 14	0 7	19 47	1 47	3 18	0n 1	21 4	1 47	15 27	1 39	24 0	0 16	23 56	0 25	9 8	1 36	30 36	7 49	15 58	16 16	4 24		n.a.
S 3	8 58	12 43	1n12	19 31	1 53	3 50	0 4	21 11	1 47	15 30	1 39	24 0	0 16	23 55	0 25	9 7	1 36	30 36	7 50	15 59	16 17	4 27		n.a.
M 4	8 36	8 20	2 28	19 14	1 58	4 21	0 7	21 18	1 47	15 32	1 39	24 0	0 16	23 55	0 25	9 7	1 36	30 36	7 50	15 59	16 18	4 29		n.a.
T 5	8 13	3 25	3 34	18 55	2 3	4 53	0 11	21 26	1 46	15 34	1 39	24 0	0 17	23 55	0 25	9 6	1 36	30 36	7 50	16 0	16 19	4 31		n.a.
W 6	7 51	1s44	4 26	18 34	2 7	5 24	0 14	21 33	1 46	15 37	1 39	24 0	0 17	23 55	0 25	9 5	1 36	30 36	7 50	16 1	16 20	4 33		n.a.
T 7	7 28	6 44	5 0	18 12	2 11	5 55	0 17	21 40	1 46	15 39	1 39	24 0	0 17	23 55	0 25	9 4	1 36	30 36	7 51	16 2	16 21	4 35		n.a.
F 8	7 6	11 16	5 14	17 48	2 14	6 26	0 20	21 47	1 46	15 41	1 39	24 0	0 17	23 55	0 25	9 3	1 36	30 37	7 51	16 3	16 22	4 37		n.a.
S 9	6 43	15 3	5 8	17 23	2 17	6 57	0 23	21 53	1 46	15 44	1 39	24 0	0 17	23 55	0 25	9 2	1 36	30 37	7 51	16 3	16 23	4 40		n.a.
S 10	6 20	17 54	4 43	16 56	2 19	7 28	0 27	22 0	1 45	15 46	1 39	24 1	0 17	23 55	0 25	9 1	1 36	30 37	7 51	16 3	16 24	4 42		n.a.
M11	5 57	19 38	4 3	16 28	2 21	7 59	0 30	22 7	1 45	15 48	1 38	24 1	0 17	23 55	0 25	9 0	1 36	30 37	7 52	16 3	16 24	4 44		n.a.
T 12	5 34	20 15	3 10	15 57	2 22	8 29	0 33	22 13	1 45	15 50	1 38	24 1	0 17	23 55	0 25	9 0	1 36	30 37	7 52	16 3	16 25	4 46		n.a.
W13	5 11	19 44	2 9	15 26	2 23	8 59	0 36	22 20	1 45	15 52	1 38	24 1	0 17	23 54	0 25	8 59	1 36	30 37	7 52	16 2	16 26	4 48		n.a.
T 14	4 48	18 12	1 3	14 52	2 23	9 29	0 39	22 26	1 44	15 54	1 38	24 1	0 17	23 54	0 25	8 58	1 36	30 37	7 52	16 2	16 27	4 50		n.a.
F 15	4 25	15 48	0s 6	14 18	2 23	9 59	0 43	22 33	1 44	15 56	1 38	24 1	0 17	23 54	0 25	8 57	1 36	30 37	7 53	16 2	16 28	4 53		n.a.
S 16	4 1	12 42	1 13	13 41	2 22	10 29	0 46	22 39	1 44	15 58	1 38	24 1	0 17	23 54	0 26	8 56	1 36	30 37	7 53	16 2	16 29	4 55		n.a.
S 17	3 38	9 6	2 15	13 3	2 21	10 58	0 49	22 45	1 44	16 0	1 38	24 1	0 17	23 54	0 26	8 55	1 36	30 38	7 53	16 3	16 30	4 57		n.a.
M18	3 15	5 9	3 11	12 24	2 19	11 27	0 52	22 51	1 44	16 2	1 38	24 1	0 17	23 54	0 26	8 54	1 36	30 38	7 53	16 4	16 31	4 59		n.a.
T 19	2 52	1 3	3 58	11 42	2 17	11 56	0 56	22 57	1 43	16 4	1 38	24 1	0 17	23 54	0 26	8 54	1 36	30 38	7 54	16 6	16 32	5 1		n.a.
W20	2 28	3n 4	4 34	11 0	2 14	12 25	0 59	23 3	1 43	16 5	1 38	24 1	0 18	23 54	0 26	8 53	1 36	30 38	7 54	16 8	16 33	5 3		n.a.
T 21	2 5	7 2	4 58	10 15	2 10	12 53	1 2	23 9	1 43	16 7	1 37	24 1	0 18	23 54	0 26	8 52	1 36	30 38	7 54	16 10	16 34	5 6		n.a.
F 22	1 41	10 45	5 9	9 30	2 6	13 21	1 5	23 14	1 43	16 9	1 37	24 1	0 18	23 54	0 26	8 51	1 36	30 38	7 54	16 12	16 35	5 8		n.a.
S 23	1 18	14 3	5 7	8 42	2 2	13 48	1 9	23 20	1 42	16 10	1 37	24 1	0 18	23 54	0 26	8 50	1 36	30 39	7 55	16 14	16 36	5 10		n.a.
S 24	0 54	16 48	4 51	7 54	1 57	14 16	1 12	23 25	1 42	16 12	1 37	24 1	0 18	23 54	0 26	8 49	1 36	30 39	7 55	16 15	16 37	5 12		n.a.
M25	0 31	18 51	4 22	7 3	1 51	14 43	1 15	23 31	1 42	16 13	1 37	24 1	0 18	23 54	0 26	8 49	1 36	30 39	7 55	16 16	16 38	5 14		n.a.
T 26	0 8	20 4	3 41	6 12	1 45	15 9	1 18	23 36	1 42	16 15	1 37	24 1	0 18	23 54	0 26	8 48	1 36	30 39	7 55	16 16	16 39	5 17		n.a.
W27	0n16	20 18	2 48	5 19	1 38	15 36	1 21	23 41	1 41	16 16	1 36	24 1	0 18	23 54	0 26	8 47	1 36	30 39	7 56	16 16	16 40	5 19		n.a.
T 28	0 39	19 28	1 45	4 24	1 31	16 2	1 24	23 46	1 41	16 17	1 36	24 1	0 18	23 53	0 26	8 46	1 36	30 39	7 56	16 15	16 41	5 21		n.a.
F 29	1 3	17 30	0 34	3 29	1 23	16 27	1 27	23 51	1 41	16 18	1 36	24 1	0 18	23 53	0 26	8 45	1 36	30 40	7 56	16 15	16 41	5 23		n.a.
S 30	1 26	14 26	0n42	2 32	1 15	16 52	1 30	23 56	1 41	16 20	1 36	24 1	0 18	23 53	0 26	8 45	1 36	30 40	7 57	16 15	16 42	5 25		n.a.
S 31	1n49	10n24	1n57	1s34	1s 7	17n17	1n33	24n 0	1n40	16n21	1n36	24n 2	0n18	23s53	0s26	8s44	1s36	30s40	7s57	16n16	16n43	5n27		n.a.

Julian Day Number = 1560772.5, Delta T = 04h24m21s
Ecliptic obliquity = 23°44'48, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'48, Lahiri = -10°01'48 Julian Calendar 1 March 440 BCE == Greg. Calendar 24 Feb. 440 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

APRIL 440 BCE (-439) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 15 14	5♈29'40	23♍ 2	0♈43	13♉43	11♊20	20°R28	2♋40	8♑42	11♓46	15♑57	15°R52	14♌21	25♈37	n.a.	M 1
T 2	12 19 11	6°27'38	8♎ 9	2°49	14°53	11°54	20♌24	2°42	8°43	11°48	15°58	15♌46	14°17	25°44	n.a.	T 2
W 3	12 23 7	7°25'34	23°24	4°57	16° 2	12°27	20°21	2°45	8°43	11°50	15°58	15°39	14°14	25°51	n.a.	W 3
T 4	12 27 4	8°23'28	8♏35	7° 5	17°11	13° 1	20°17	2°48	8°44	11°52	15°59	15°31	14°11	25°57	n.a.	T 4
F 5	12 31 0	9°21'21	23°33	9°15	18°21	13°34	20°14	2°50	8°45	11°54	15°59	15°24	14° 8	26° 4	n.a.	F 5
S 6	12 34 57	10°19'12	8♐ 9	11°25	19°30	14° 8	20°11	2°53	8°46	11°56	16° 0	15°18	14° 5	26°11	n.a.	S 6
S 7	12 38 53	11°17'02	22°20	13°35	20°39	14°41	20° 8	2°56	8°46	11°58	16° 0	15°15	14° 2	26°18	n.a.	S 7
M 8	12 42 50	12°14'51	6♑ 4	15°45	21°48	15°15	20° 6	2°59	8°47	12° 0	16° 0	15°13	13°58	26°24	n.a.	M 8
T 9	12 46 46	13°12'39	19°22	17°55	22°57	15°49	20° 3	3° 2	8°47	12° 2	16° 1	15°D13	13°55	26°31	n.a.	T 9
W10	12 50 43	14°10'25	2♒17	20° 5	24° 5	16°23	20° 1	3° 5	8°48	12° 4	16° 1	15°14	13°52	26°38	n.a.	W10
T 11	12 54 40	15° 8'10	14°53	22°13	25°14	16°57	19°59	3° 9	8°48	12° 6	16° 1	15°R14	13°49	26°44	n.a.	T 11
F 12	12 58 36	16° 5'53	27°14	24°21	26°22	17°31	19°57	3°12	8°48	12° 8	16° 2	15°14	13°46	26°51	n.a.	F 12
S 13	13 2 33	17° 3'36	9♓24	26°27	27°31	18° 5	19°55	3°16	8°49	12°10	16° 2	15°11	13°43	26°58	n.a.	S 13
S 14	13 6 29	18° 1'17	21°26	28°32	28°39	18°39	19°54	3°19	8°49	12°12	16° 2	15° 5	13°39	27° 5	n.a.	S 14
M15	13 10 26	18°58'56	3♈23	0♉35	29°47	19°13	19°53	3°23	8°49	12°14	16° 2	14°57	13°36	27°11	n.a.	M15
T 16	13 14 22	19°56'35	15°16	2°35	0♊55	19°47	19°51	3°27	8°49	12°16	16° 3	14°47	13°33	27°18	n.a.	T 16
W17	13 18 19	20°54'12	27° 8	4°34	2° 3	20°22	19°50	3°30	8°49	12°18	16° 3	14°35	13°30	27°25	n.a.	W17
T 18	13 22 15	21°51'48	8♉59	6°30	3°10	20°56	19°50	3°34	8°50	12°20	16° 3	14°23	13°27	27°31	n.a.	T 18
F 19	13 26 12	22°49'22	20°53	8°23	4°18	21°31	19°49	3°38	8°R50	12°22	16° 3	14°11	13°23	27°38	n.a.	F 19
S 20	13 30 8	23°46'55	2♊49	10°14	5°25	22° 5	19°49	3°43	8°49	12°23	16° 3	14° 0	13°20	27°45	n.a.	S 20
S 21	13 34 5	24°44'26	14°51	12° 2	6°32	22°40	19°48	3°47	8°49	12°25	16° 3	13°52	13°17	27°52	n.a.	S 21
M22	13 38 2	25°41'57	27° 2	13°47	7°39	23°14	19°D48	3°51	8°49	12°27	16°R 3	13°46	13°14	27°58	n.a.	M22
T 23	13 41 58	26°39'25	9♋25	15°29	8°46	23°49	19°48	3°55	8°49	12°29	16° 3	13°42	13°11	28° 5	n.a.	T 23
W24	13 45 55	27°36'53	22° 4	17° 8	9°53	24°24	19°49	4° 0	8°49	12°30	16° 3	13°41	13° 8	28°12	n.a.	W24
T 25	13 49 51	28°34'19	5♌ 4	18°44	10°59	24°58	19°49	4° 4	8°49	12°32	16° 3	13°D41	13° 4	28°19	n.a.	T 25
F 26	13 53 48	29°31'43	18°28	20°17	12° 6	25°33	19°50	4° 9	8°48	12°34	16° 3	13°R41	13° 1	28°25	n.a.	F 26
S 27	13 57 44	0♉29'06	2♍19	21°47	13°12	26° 8	19°51	4°14	8°48	12°35	16° 3	13°40	12°58	28°32	n.a.	S 27
S 28	14 1 41	1°26'28	16°38	23°14	14°18	26°43	19°52	4°18	8°47	12°37	16° 3	13°37	12°55	28°39	n.a.	S 28
M29	14 5 37	2°23'48	1♎24	24°37	15°23	27°18	19°53	4°23	8°47	12°39	16° 2	13°31	12°52	28°45	n.a.	M29
T 30	14 9 34	3♉21'07	16♎30	25♉58	16♊29	27♊53	19♌54	4♋28	8♑46	12♓40	16♑ 2	13♌23	12♌48	28♈52	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n13	5n38	3n 6	0s36	0s58	17n41	1n36	24n 5	1n40	16n22	1n36	24n 2	0n18	23s53	0s26	8s43	1s36	30s40	7s57	16n17	16n44	5n30		n.a.
T 2	2 36	0 27	4 3	0n24	0 48	18 5	1 39	24 9	1 40	16 23	1 35	24 2	0 18	23 53	0 26	8 42	1 36	30 40	7 57	16 19	16 45	5 32		n.a.
W 3	2 59	4s49	4 44	1 24	0 39	18 28	1 42	24 13	1 40	16 24	1 35	24 2	0 18	23 53	0 26	8 41	1 36	30 41	7 58	16 21	16 46	5 34		n.a.
T 4	3 22	9 45	5 4	2 25	0 29	18 51	1 45	24 18	1 39	16 25	1 35	24 2	0 19	23 53	0 26	8 41	1 36	30 41	7 58	16 23	16 47	5 36		n.a.
F 5	3 45	14 0	5 3	3 26	0 18	19 14	1 48	24 22	1 39	16 25	1 35	24 2	0 19	23 53	0 26	8 40	1 36	30 41	7 58	16 25	16 48	5 38		n.a.
S 6	4 8	17 18	4 42	4 27	0 8	19 36	1 50	24 25	1 39	16 26	1 35	24 2	0 19	23 53	0 26	8 39	1 36	30 41	7 58	16 27	16 49	5 40		n.a.
S 7	4 31	19 27	4 5	5 28	0n 3	19 57	1 53	24 29	1 38	16 27	1 34	24 2	0 19	23 53	0 26	8 38	1 36	30 41	7 59	16 28	16 50	5 43		n.a.
M 8	4 54	20 23	3 14	6 29	0 13	20 18	1 56	24 33	1 38	16 28	1 34	24 2	0 19	23 53	0 26	8 38	1 36	30 42	7 59	16 29	16 51	5 45		n.a.
T 9	5 17	20 7	2 14	7 29	0 24	20 39	1 58	24 36	1 38	16 28	1 34	24 2	0 19	23 53	0 26	8 37	1 36	30 42	7 59	16 29	16 52	5 47		n.a.
W10	5 40	18 47	1 9	8 29	0 35	20 59	2 1	24 40	1 38	16 29	1 34	24 2	0 19	23 53	0 26	8 36	1 36	30 42	8 0	16 29	16 53	5 49		n.a.
T 11	6 2	16 33	0 2	9 27	0 45	21 19	2 3	24 43	1 37	16 29	1 34	24 2	0 19	23 53	0 26	8 35	1 36	30 42	8 0	16 28	16 54	5 51		n.a.
F 12	6 25	13 35	1s 4	10 25	0 55	21 37	2 6	24 46	1 37	16 29	1 33	24 1	0 19	23 53	0 26	8 35	1 36	30 43	8 0	16 29	16 54	5 54		n.a.
S 13	6 47	10 5	2 5	11 21	1 5	21 56	2 8	24 49	1 37	16 30	1 33	24 1	0 19	23 53	0 26	8 34	1 36	30 43	8 0	16 29	16 55	5 56		n.a.
S 14	7 9	6 12	3 0	12 15	1 15	22 14	2 10	24 51	1 37	16 30	1 33	24 1	0 19	23 53	0 26	8 33	1 36	30 43	8 1	16 31	16 56	5 58		n.a.
M15	7 32	2 6	3 47	13 7	1 24	22 31	2 12	24 54	1 36	16 30	1 33	24 1	0 19	23 53	0 26	8 32	1 37	30 43	8 1	16 33	16 57	6 0		n.a.
T 16	7 54	2n 3	4 23	13 58	1 32	22 48	2 15	24 57	1 36	16 31	1 33	24 1	0 19	23 53	0 26	8 32	1 37	30 44	8 1	16 36	16 58	6 2		n.a.
W17	8 16	6 6	4 48	14 46	1 40	23 4	2 17	24 59	1 36	16 31	1 32	24 1	0 19	23 53	0 26	8 31	1 37	30 44	8 2	16 40	16 59	6 4		n.a.
T 18	8 37	9 56	5 1	15 33	1 48	23 20	2 19	25 1	1 35	16 31	1 32	24 1	0 19	23 53	0 26	8 30	1 37	30 44	8 2	16 44	17 0	6 7		n.a.
F 19	8 59	13 23	5 0	16 17	1 54	23 34	2 21	25 3	1 35	16 31	1 32	24 1	0 19	23 53	0 26	8 30	1 37	30 44	8 2	16 47	17 1	6 9		n.a.
S 20	9 21	16 19	4 46	16 59	2 0	23 49	2 22	25 5	1 35	16 31	1 32	24 1	0 20	23 53	0 27	8 29	1 37	30 45	8 2	16 50	17 2	6 11		n.a.
S 21	9 42	18 35	4 19	17 38	2 6	24 3	2 24	25 7	1 34	16 30	1 31	24 1	0 20	23 53	0 27	8 28	1 37	30 45	8 3	16 53	17 3	6 13		n.a.
M22	10 3	20 2	3 41	18 15	2 11	24 16	2 26	25 8	1 34	16 30	1 31	24 1	0 20	23 53	0 27	8 28	1 37	30 45	8 3	16 54	17 4	6 15		n.a.
T 23	10 25	20 34	2 51	18 50	2 15	24 28	2 27	25 10	1 34	16 30	1 31	24 1	0 20	23 54	0 27	8 27	1 37	30 46	8 3	16 55	17 5	6 17		n.a.
W24	10 45	20 4	1 52	19 22	2 18	24 40	2 29	25 11	1 34	16 30	1 31	24 1	0 20	23 54	0 27	8 26	1 37	30 46	8 3	16 56	17 6	6 20		n.a.
T 25	11 6	18 31	0 46	19 52	2 20	24 51	2 30	25 12	1 33	16 29	1 31	24 1	0 20	23 54	0 27	8 26	1 37	30 46	8 4	16 56	17 6	6 22		n.a.
F 26	11 27	15 53	0n25	20 19	2 22	25 2	2 32	25 13	1 33	16 29	1 30	24 1	0 20	23 54	0 27	8 25	1 37	30 46	8 4	16 56	17 7	6 24		n.a.
S 27	11 47	12 17	1 37	20 44	2 23	25 12	2 33	25 14	1 33	16 28	1 30	24 1	0 20	23 54	0 27	8 25	1 37	30 47	8 4	16 56	17 8	6 26		n.a.
S 28	12 8	7 52	2 45	21 7	2 23	25 21	2 34	25 15	1 32	16 28	1 30	24 1	0 20	23 54	0 27	8 24	1 37	30 47	8 5	16 57	17 9	6 28		n.a.
M29	12 28	2 51	3 44	21 28	2 22	25 30	2 35	25 15	1 32	16 27	1 30	24 0	0 20	23 54	0 27	8 23	1 37	30 47	8 5	16 59	17 10	6 31		n.a.
T 30	12n47	2s26	4n29	21n46	2n21	25n38	2n36	25n16	1n32	16n27	1n29	24n 0	0n20	23s54	0s27	8s23	1s37	30s48	8s 5	17n 1	17n11	6n33		n.a.

Julian Day Number = 1560803.5, Delta T = 04h24m20s
Ecliptic obliquity = 23°44'49, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'44, Lahiri = -10°01'44 Julian Calendar 1 Apr. 440 BCE == Greg. Calendar 27 March 440 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

MAY 440 BCE (-439) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 13 31	4♉18'25	1♏48	27♉15	17♊34	28♊28	19♌56	4♋33	8°R46	12♓42	16°R 2	13°R13	12♌45	28♈59	n.a.	W 1
T 2	14 17 27	5°15'42	17° 7	28°29	18°39	29° 3	19°57	4°38	8♑45	12°43	16♑ 2	13♌ 3	12°42	29° 6	n.a.	T 2
F 3	14 21 24	6°12'59	2♐16	29°39	19°44	29°38	19°59	4°43	8°45	12°45	16° 2	12°53	12°39	29°12	n.a.	F 3
S 4	14 25 20	7°10'15	17° 4	0♊47	20°49	0♋13	20° 1	4°49	8°44	12°46	16° 1	12°44	12°36	29°19	n.a.	S 4
S 5	14 29 17	8° 7'30	1♑25	1°50	21°54	0°49	20° 4	4°54	8°43	12°48	16° 1	12°38	12°33	29°26	n.a.	S 5
M 6	14 33 13	9° 4'45	15°16	2°50	22°58	1°24	20° 6	4°59	8°42	12°49	16° 1	12°35	12°29	29°32	n.a.	M 6
T 7	14 37 10	10° 1'59	28°39	3°47	24° 2	1°59	20° 9	5° 5	8°41	12°51	16° 0	12°34	12°26	29°39	n.a.	T 7
W 8	14 41 7	10°59'12	11♒35	4°40	25° 6	2°35	20°11	5°10	8°41	12°52	16° 0	12°34	12°23	29°46	n.a.	W 8
T 9	14 45 3	11°56'25	24°10	5°29	26° 9	3°10	20°14	5°16	8°40	12°54	15°59	12°33	12°20	29°53	n.a.	T 9
F 10	14 49 0	12°53'38	6♓27	6°14	27°13	3°45	20°17	5°21	8°39	12°55	15°59	12°32	12°17	29°59	n.a.	F 10
S 11	14 52 56	13°50'50	18°32	6°55	28°16	4°21	20°21	5°27	8°38	12°56	15°58	12°29	12°14	0♉ 6	n.a.	S 11
S 12	14 56 53	14°48'02	0♈28	7°33	29°19	4°57	20°24	5°33	8°37	12°58	15°58	12°23	12°10	0°13	n.a.	S 12
M13	15 0 49	15°45'14	12°21	8° 6	0♋21	5°32	20°28	5°38	8°35	12°59	15°58	12°14	12° 7	0°19	n.a.	M13
T 14	15 4 46	16°42'25	24°11	8°34	1°24	6° 8	20°32	5°44	8°34	13° 0	15°57	12° 2	12° 4	0°26	n.a.	T 14
W15	15 8 42	17°39'35	6♉ 3	8°59	2°26	6°44	20°35	5°50	8°33	13° 1	15°56	11°49	12° 1	0°33	n.a.	W15
T 16	15 12 39	18°36'46	17°57	9°19	3°27	7°19	20°40	5°56	8°32	13° 2	15°56	11°36	11°58	0°40	n.a.	T 16
F 17	15 16 35	19°33'56	29°55	9°35	4°29	7°55	20°44	6° 2	8°31	13° 4	15°55	11°22	11°54	0°46	n.a.	F 17
S 18	15 20 32	20°31'05	11♊59	9°46	5°30	8°31	20°48	6° 8	8°29	13° 5	15°55	11°10	11°51	0°53	n.a.	S 18
S 19	15 24 29	21°28'14	24° 9	9°52	6°31	9° 7	20°53	6°15	8°28	13° 6	15°54	11° 1	11°48	1° 0	n.a.	S 19
M20	15 28 25	22°25'22	6♋27	9°R54	7°31	9°43	20°57	6°21	8°26	13° 7	15°53	10°54	11°45	1° 7	n.a.	M20
T 21	15 32 22	23°22'30	18°56	9°52	8°31	10°19	21° 2	6°27	8°25	13° 8	15°53	10°50	11°42	1°13	n.a.	T 21
W22	15 36 18	24°19'38	1♌40	9°44	9°31	10°55	21° 7	6°33	8°24	13° 9	15°52	10°48	11°39	1°20	n.a.	W22
T 23	15 40 15	25°16'45	14°40	9°33	10°31	11°31	21°13	6°40	8°22	13°10	15°51	10°D48	11°35	1°27	n.a.	T 23
F 24	15 44 11	26°13'51	28° 0	9°17	11°30	12° 7	21°18	6°46	8°20	13°11	15°50	10°R48	11°32	1°33	n.a.	F 24
S 25	15 48 8	27°10'57	11♍44	8°58	12°28	12°43	21°23	6°53	8°19	13°12	15°50	10°47	11°29	1°40	n.a.	S 25
S 26	15 52 5	28° 8'02	25°53	8°34	13°27	13°19	21°29	6°59	8°17	13°13	15°49	10°45	11°26	1°47	n.a.	S 26
M27	15 56 1	29° 5'07	10♎25	8° 8	14°24	13°56	21°35	7° 6	8°16	13°14	15°48	10°40	11°23	1°54	n.a.	M27
T 28	15 59 58	0♊ 2'12	25°18	7°38	15°22	14°32	21°41	7°12	8°14	13°14	15°47	10°33	11°20	2° 0	n.a.	T 28
W29	16 3 54	0°59'17	10♏24	7° 6	16°19	15° 8	21°47	7°19	8°12	13°15	15°46	10°24	11°16	2° 7	n.a.	W29
T 30	16 7 51	1°56'21	25°34	6°32	17°15	15°45	21°53	7°26	8°10	13°16	15°45	10°14	11°13	2°14	n.a.	T 30
F 31	16 11 47	2♊53'25	10♐38	5♊56	18♋11	16♋21	21♌59	7♋33	8♑ 9	13♓17	15♑45	10♌ 5	11♌10	2♉20	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	13n 7	7s39	4n55	22n 2	2n18	25n45	2n37	25n16	1n31	16n26	1n29	24n 0	0n20	23s54	0s27	8s22	1s37	30s48	8s 5	17n 4	17n12	6n35			n.a.
T 2	13 27	12 22	5 0	22 16	2 15	25 52	2 37	25 16	1 31	16 25	1 29	24 0	0 20	23 54	0 27	8 22	1 37	30 48	8 6	17 7	17 13	6 37			n.a.
F 3	13 46	16 15	4 44	22 28	2 11	25 58	2 38	25 16	1 31	16 24	1 29	24 0	0 20	23 54	0 27	8 21	1 37	30 48	8 6	17 10	17 14	6 39			n.a.
S 4	14 5	18 59	4 9	22 38	2 7	26 3	2 38	25 15	1 31	16 23	1 28	24 0	0 20	23 54	0 27	8 21	1 37	30 49	8 6	17 12	17 15	6 41			n.a.
S 5	14 24	20 25	3 19	22 46	2 1	26 8	2 39	25 15	1 30	16 22	1 28	24 0	0 20	23 54	0 27	8 20	1 37	30 49	8 7	17 14	17 16	6 44			n.a.
M 6	14 42	20 34	2 19	22 52	1 55	26 12	2 39	25 14	1 30	16 21	1 28	24 0	0 21	23 54	0 27	8 20	1 37	30 49	8 7	17 15	17 16	6 46			n.a.
T 7	15 1	19 30	1 13	22 56	1 48	26 16	2 39	25 14	1 30	16 20	1 28	23 59	0 21	23 54	0 27	8 19	1 38	30 50	8 7	17 15	17 17	6 48			n.a.
W 8	15 19	17 27	0 5	22 59	1 40	26 18	2 39	25 13	1 29	16 19	1 28	23 59	0 21	23 55	0 27	8 19	1 38	30 50	8 7	17 15	17 18	6 50			n.a.
T 9	15 37	14 36	1s 1	22 59	1 31	26 20	2 39	25 11	1 29	16 18	1 27	23 59	0 21	23 55	0 27	8 18	1 38	30 50	8 8	17 15	17 19	6 52			n.a.
F 10	15 54	11 9	2 3	22 58	1 22	26 22	2 39	25 10	1 29	16 17	1 27	23 59	0 21	23 55	0 27	8 18	1 38	30 51	8 8	17 16	17 20	6 55			n.a.
S 11	16 12	7 19	2 58	22 55	1 12	26 22	2 38	25 9	1 28	16 16	1 27	23 59	0 21	23 55	0 27	8 17	1 38	30 51	8 8	17 17	17 21	6 57			n.a.
S 12	16 29	3 14	3 44	22 51	1 1	26 22	2 38	25 7	1 28	16 14	1 27	23 59	0 21	23 55	0 27	8 17	1 38	30 51	8 8	17 18	17 22	6 59			n.a.
M13	16 46	0n57	4 21	22 45	0 49	26 22	2 37	25 5	1 28	16 13	1 26	23 58	0 21	23 55	0 27	8 16	1 38	30 52	8 9	17 21	17 23	7 1			n.a.
T 14	17 3	5 5	4 46	22 37	0 37	26 21	2 36	25 3	1 27	16 12	1 26	23 58	0 21	23 55	0 27	8 16	1 38	30 52	8 9	17 24	17 24	7 3			n.a.
W15	17 19	9 1	4 58	22 28	0 23	26 19	2 35	25 1	1 27	16 10	1 26	23 58	0 21	23 55	0 27	8 15	1 38	30 52	8 9	17 28	17 25	7 5			n.a.
T 16	17 35	12 38	4 58	22 18	0 10	26 16	2 34	24 59	1 27	16 9	1 26	23 58	0 21	23 55	0 27	8 15	1 38	30 53	8 9	17 32	17 25	7 8			n.a.
F 17	17 51	15 46	4 44	22 6	0s 5	26 13	2 33	24 57	1 26	16 7	1 26	23 58	0 21	23 55	0 27	8 15	1 38	30 53	8 10	17 35	17 26	7 10			n.a.
S 18	18 6	18 15	4 18	21 53	0 19	26 10	2 32	24 54	1 26	16 5	1 25	23 57	0 21	23 56	0 27	8 14	1 38	30 53	8 10	17 39	17 27	7 12			n.a.
S 19	18 22	19 57	3 40	21 39	0 35	26 5	2 30	24 51	1 26	16 4	1 25	23 57	0 21	23 56	0 27	8 14	1 38	30 54	8 10	17 41	17 28	7 14			n.a.
M20	18 37	20 44	2 51	21 23	0 50	26 0	2 29	24 48	1 25	16 2	1 25	23 57	0 21	23 56	0 27	8 14	1 38	30 54	8 10	17 43	17 29	7 16			n.a.
T 21	18 51	20 31	1 53	21 7	1 6	25 55	2 27	24 45	1 25	16 0	1 25	23 57	0 21	23 56	0 27	8 13	1 38	30 54	8 11	17 44	17 30	7 18			n.a.
W22	19 6	19 16	0 48	20 50	1 23	25 49	2 25	24 42	1 25	15 58	1 24	23 56	0 22	23 56	0 27	8 13	1 38	30 55	8 11	17 45	17 31	7 21			n.a.
T 23	19 20	16 58	0n20	20 32	1 39	25 42	2 23	24 38	1 24	15 56	1 24	23 56	0 22	23 56	0 27	8 13	1 38	30 55	8 11	17 45	17 32	7 23			n.a.
F 24	19 33	13 43	1 30	20 14	1 55	25 35	2 21	24 35	1 24	15 54	1 24	23 56	0 22	23 56	0 27	8 12	1 38	30 55	8 11	17 45	17 33	7 25			n.a.
S 25	19 47	9 39	2 36	19 55	2 11	25 27	2 18	24 31	1 24	15 52	1 24	23 56	0 22	23 56	0 27	8 12	1 39	30 56	8 12	17 45	17 33	7 27			n.a.
S 26	20 0	4 56	3 35	19 35	2 27	25 18	2 16	24 27	1 23	15 50	1 24	23 55	0 22	23 56	0 28	8 12	1 39	30 56	8 12	17 46	17 34	7 29			n.a.
M27	20 13	0s10	4 22	19 16	2 43	25 9	2 13	24 23	1 23	15 48	1 23	23 55	0 22	23 57	0 28	8 11	1 39	30 56	8 12	17 47	17 35	7 31			n.a.
T 28	20 25	5 23	4 52	18 56	2 58	25 0	2 10	24 19	1 23	15 46	1 23	23 55	0 22	23 57	0 28	8 11	1 39	30 57	8 12	17 49	17 36	7 34			n.a.
W29	20 37	10 21	5 2	18 37	3 12	24 50	2 7	24 14	1 22	15 44	1 23	23 54	0 22	23 57	0 28	8 11	1 39	30 57	8 13	17 52	17 37	7 36			n.a.
T 30	20 49	14 41	4 52	18 18	3 26	24 39	2 3	24 10	1 22	15 42	1 23	23 54	0 22	23 57	0 28	8 11	1 39	30 57	8 13	17 54	17 38	7 38			n.a.
F 31	21n 0	18s 1	4n21	18n 0	3s38	24n28	2n 0	24n 5	1n22	15n40	1n23	23n54	0n22	23s57	0s28	8s10	1s39	30s58	8s13	17n57	17n39	7n40			n.a.

Julian Day Number = 1560833.5, Delta T = 04h24m18s
Ecliptic obliquity = 23°44'49, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'40, Lahiri = -10°01'40 Julian Calendar 1 May 440 BCE == Greg. Calendar 26 Apr. 440 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

JUNE 440 BCE (-439) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 15 44	3♊50'30	25♐25	5°R19	19♋ 7	16♋57	22♌ 6	7♋39	8°R 7	13♓17	15°R44	9°R57	11♌ 7	2♉27	n.a.	S 1
S 2	16 19 40	4°47'35	9♑49	4♊43	20° 2	17°34	22°12	7°46	8♑ 5	13°18	15♑43	9♌52	11° 4	2°34	n.a.	S 2
M 3	16 23 37	5°44'40	23°45	4° 6	20°56	18°10	22°19	7°53	8° 3	13°19	15°42	9°48	11° 0	2°41	n.a.	M 3
T 4	16 27 34	6°41'45	7♒13	3°31	21°50	18°47	22°26	8° 0	8° 1	13°19	15°41	9°D47	10°57	2°47	n.a.	T 4
W 5	16 31 30	7°38'51	20°13	2°57	22°44	19°24	22°33	8° 7	7°59	13°20	15°40	9°48	10°54	2°54	n.a.	W 5
T 6	16 35 27	8°35'58	2♓51	2°25	23°37	20° 0	22°40	8°14	7°57	13°20	15°39	9°R48	10°51	3° 1	n.a.	T 6
F 7	16 39 23	9°33'04	15°10	1°57	24°29	20°37	22°47	8°21	7°55	13°21	15°38	9°48	10°48	3° 8	n.a.	F 7
S 8	16 43 20	10°30'12	27°15	1°31	25°21	21°14	22°55	8°28	7°53	13°21	15°37	9°47	10°45	3°14	n.a.	S 8
S 9	16 47 16	11°27'20	9♈11	1°10	26°12	21°50	23° 2	8°35	7°51	13°22	15°36	9°43	10°41	3°21	n.a.	S 9
M10	16 51 13	12°24'28	21° 3	0°52	27° 2	22°27	23°10	8°42	7°49	13°22	15°35	9°37	10°38	3°28	n.a.	M10
T 11	16 55 9	13°21'37	2♉54	0°39	27°52	23° 4	23°18	8°49	7°47	13°23	15°33	9°29	10°35	3°34	n.a.	T 11
W12	16 59 6	14°18'47	14°48	0°31	28°41	23°41	23°25	8°57	7°45	13°23	15°32	9°20	10°32	3°41	n.a.	W12
T 13	17 3 3	15°15'57	26°47	0°D28	29°29	24°18	23°33	9° 4	7°43	13°23	15°31	9°10	10°29	3°48	n.a.	T 13
F 14	17 6 59	16°13'08	8♊52	0°30	0♌17	24°55	23°42	9°11	7°41	13°24	15°30	9° 0	10°26	3°55	n.a.	F 14
S 15	17 10 56	17°10'20	21° 6	0°38	1° 3	25°32	23°50	9°18	7°38	13°24	15°29	8°51	10°22	4° 1	n.a.	S 15
S 16	17 14 52	18° 7'32	3♋28	0°51	1°49	26° 9	23°58	9°26	7°36	13°24	15°28	8°44	10°19	4° 8	n.a.	S 16
M17	17 18 49	19° 4'45	16° 1	1°10	2°34	26°46	24° 7	9°33	7°34	13°24	15°27	8°40	10°16	4°15	n.a.	M17
T 18	17 22 45	20° 1'58	28°45	1°34	3°19	27°23	24°15	9°40	7°32	13°24	15°25	8°37	10°13	4°22	n.a.	T 18
W19	17 26 42	20°59'12	11♌41	2° 4	4° 2	28° 1	24°24	9°48	7°29	13°25	15°24	8°D37	10°10	4°28	n.a.	W19
T 20	17 30 39	21°56'26	24°51	2°40	4°44	28°38	24°33	9°55	7°27	13°25	15°23	8°38	10° 6	4°35	n.a.	T 20
F 21	17 34 35	22°53'40	8♍17	3°21	5°25	29°15	24°42	10° 3	7°25	13°25	15°22	8°39	10° 3	4°42	n.a.	F 21
S 22	17 38 32	23°50'55	22° 0	4° 8	6° 6	29°53	24°51	10°10	7°23	13°R25	15°21	8°R40	10° 0	4°48	n.a.	S 22
S 23	17 42 28	24°48'11	6♎ 2	5° 1	6°45	0♌30	25° 0	10°18	7°20	13°25	15°19	8°39	9°57	4°55	n.a.	S 23
M24	17 46 25	25°45'27	20°21	5°59	7°23	1° 7	25° 9	10°25	7°18	13°25	15°18	8°37	9°54	5° 2	n.a.	M24
T 25	17 50 21	26°42'43	4♏55	7° 2	8° 0	1°45	25°18	10°33	7°16	13°25	15°17	8°33	9°51	5° 9	n.a.	T 25
W26	17 54 18	27°40'00	19°40	8°10	8°35	2°22	25°28	10°40	7°13	13°24	15°16	8°28	9°47	5°15	n.a.	W26
T 27	17 58 14	28°37'18	4♐28	9°24	9°10	3° 0	25°37	10°48	7°11	13°24	15°14	8°22	9°44	5°22	n.a.	T 27
F 28	18 2 11	29°34'37	19°12	10°42	9°43	3°38	25°47	10°55	7° 8	13°24	15°13	8°16	9°41	5°29	n.a.	F 28
S 29	18 6 8	0♋31'57	3♑45	12° 6	10°15	4°15	25°57	11° 3	7° 6	13°24	15°12	8°12	9°38	5°36	n.a.	S 29
S 30	18 10 4	1♋29'17	17♑59	13♊34	10♌45	4♌53	26♌ 6	11♋11	7♑ 4	13♓24	15♑11	8♌ 8	9♌35	5♉42	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n11	20s 7	3n33	17n42	3s49	24n17	1n56	24n 0	1n21	15n37	1n22	23n54	0n22	23s57	0s28	8s10	1s39	30s58	8s13	17n59	17n40	7n42		n.a.
S 2	21 22	20 51	2 32	17 26	3 59	24 5	1 53	23 55	1 21	15 35	1 22	23 53	0 22	23 57	0 28	8 10	1 39	30 58	8 13	18 0	17 41	7 44		n.a.
M 3	21 32	20 15	1 24	17 11	4 8	23 53	1 49	23 49	1 21	15 32	1 22	23 53	0 22	23 58	0 28	8 10	1 39	30 59	8 14	18 1	17 41	7 47		n.a.
T 4	21 42	18 29	0 14	16 57	4 15	23 40	1 44	23 44	1 20	15 30	1 22	23 52	0 22	23 58	0 28	8 10	1 39	30 59	8 14	18 2	17 42	7 49		n.a.
W 5	21 52	15 48	0s55	16 45	4 21	23 27	1 40	23 38	1 20	15 27	1 22	23 52	0 23	23 58	0 28	8 9	1 39	30 59	8 14	18 1	17 43	7 51		n.a.
T 6	22 1	12 27	2 0	16 35	4 25	23 13	1 35	23 33	1 19	15 25	1 21	23 52	0 23	23 58	0 28	8 9	1 39	31 0	8 14	18 1	17 44	7 53		n.a.
F 7	22 10	8 38	2 57	16 26	4 28	22 59	1 31	23 27	1 19	15 22	1 21	23 51	0 23	23 58	0 28	8 9	1 39	31 0	8 14	18 1	17 45	7 55		n.a.
S 8	22 19	4 33	3 45	16 20	4 29	22 45	1 26	23 21	1 19	15 20	1 21	23 51	0 23	23 58	0 28	8 9	1 39	31 0	8 15	18 2	17 46	7 58		n.a.
S 9	22 27	0 20	4 23	16 16	4 29	22 30	1 20	23 14	1 18	15 17	1 21	23 51	0 23	23 58	0 28	8 9	1 39	31 0	8 15	18 3	17 47	8 0		n.a.
M10	22 34	3n51	4 49	16 14	4 27	22 15	1 15	23 8	1 18	15 14	1 21	23 50	0 23	23 59	0 28	8 9	1 40	31 1	8 15	18 4	17 48	8 2		n.a.
T 11	22 42	7 54	5 3	16 15	4 24	21 59	1 9	23 1	1 18	15 11	1 20	23 50	0 23	23 59	0 28	8 9	1 40	31 1	8 15	18 6	17 48	8 4		n.a.
W12	22 49	11 39	5 3	16 18	4 19	21 44	1 4	22 54	1 17	15 9	1 20	23 49	0 23	23 59	0 28	8 9	1 40	31 1	8 15	18 9	17 49	8 6		n.a.
T 13	22 55	14 58	4 51	16 23	4 14	21 28	0 58	22 48	1 17	15 6	1 20	23 49	0 23	23 59	0 28	8 9	1 40	31 2	8 16	18 12	17 50	8 8		n.a.
F 14	23 1	17 42	4 25	16 30	4 7	21 11	0 51	22 40	1 16	15 3	1 20	23 49	0 23	23 59	0 28	8 8	1 40	31 2	8 16	18 14	17 51	8 11		n.a.
S 15	23 7	19 40	3 47	16 39	3 59	20 55	0 45	22 33	1 16	15 0	1 20	23 48	0 23	23 59	0 28	8 8	1 40	31 2	8 16	18 17	17 52	8 13		n.a.
S 16	23 12	20 45	2 57	16 51	3 50	20 38	0 38	22 26	1 16	14 57	1 20	23 48	0 23	23 59	0 28	8 8	1 40	31 3	8 16	18 18	17 53	8 15		n.a.
M17	23 17	20 49	1 59	17 4	3 40	20 21	0 31	22 18	1 15	14 54	1 19	23 47	0 23	24 0	0 28	8 8	1 40	31 3	8 16	18 20	17 54	8 17		n.a.
T 18	23 22	19 49	0 53	17 20	3 29	20 4	0 24	22 10	1 15	14 51	1 19	23 47	0 23	24 0	0 28	8 8	1 40	31 3	8 16	18 20	17 55	8 19		n.a.
W19	23 26	17 46	0n17	17 37	3 18	19 46	0 17	22 3	1 15	14 48	1 19	23 46	0 24	24 0	0 28	8 8	1 40	31 4	8 17	18 20	17 55	8 21		n.a.
T 20	23 30	14 46	1 27	17 56	3 6	19 29	0 9	21 54	1 14	14 45	1 19	23 46	0 24	24 0	0 28	8 8	1 40	31 4	8 17	18 20	17 56	8 24		n.a.
F 21	23 33	10 56	2 33	18 16	2 53	19 11	0 1	21 46	1 14	14 42	1 19	23 45	0 24	24 0	0 28	8 8	1 40	31 4	8 17	18 20	17 57	8 26		n.a.
S 22	23 36	6 28	3 33	18 37	2 40	18 53	0s 7	21 38	1 13	14 38	1 19	23 45	0 24	24 0	0 28	8 8	1 40	31 5	8 17	18 20	17 58	8 28		n.a.
S 23	23 39	1 34	4 21	19 0	2 27	18 35	0 15	21 29	1 13	14 35	1 18	23 44	0 24	24 0	0 28	8 9	1 40	31 5	8 17	18 20	17 59	8 30		n.a.
M24	23 41	3s31	4 54	19 24	2 13	18 17	0 23	21 21	1 13	14 32	1 18	23 44	0 24	24 1	0 28	8 9	1 40	31 5	8 17	18 20	18 0	8 32		n.a.
T 25	23 42	8 29	5 9	19 48	1 59	17 59	0 32	21 12	1 12	14 28	1 18	23 43	0 24	24 1	0 28	8 9	1 40	31 5	8 18	18 21	18 1	8 34		n.a.
W26	23 44	13 0	5 4	20 13	1 45	17 41	0 41	21 3	1 12	14 25	1 18	23 43	0 24	24 1	0 28	8 9	1 41	31 6	8 18	18 23	18 1	8 36		n.a.
T 27	23 44	16 45	4 38	20 39	1 31	17 23	0 51	20 54	1 11	14 22	1 18	23 42	0 24	24 1	0 28	8 9	1 41	31 6	8 18	18 24	18 2	8 39		n.a.
F 28	23 45	19 24	3 54	21 4	1 17	17 5	1 0	20 45	1 11	14 18	1 18	23 42	0 24	24 1	0 28	8 9	1 41	31 6	8 18	18 26	18 3	8 41		n.a.
S 29	23 45	20 46	2 56	21 30	1 3	16 47	1 10	20 35	1 11	14 15	1 17	23 41	0 24	24 1	0 28	8 9	1 41	31 7	8 18	18 27	18 4	8 43		n.a.
S 30	23n44	20s45	1n47	21n55	0s49	16n29	1s20	20n26	1n10	14n11	1n17	23n40	0n24	24s 1	0s28	8s 9	1s41	31s 7	8s18	18n28	18n 5	8n45		n.a.

Julian Day Number = 1560864.5, Delta T = 04h24m17s
Ecliptic obliquity = 23°44'48, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'36, Lahiri = -10°01'35 Julian Calendar 1 June 440 BCE == Greg. Calendar 27 May 440 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

JULY 440 BCE (-439) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 14 1	2♋26'39	1♒50	15♊ 6	11♌14	5♌31	26♌16	11♋18	7°R 1	13°R23	15°R 9	8°D 7	9♌32	5♉49	n.a.	M 1
T 2	18 17 57	3°24'02	15°17	16°43	11°41	6° 8	26°26	11°26	6♑59	13♓23	15♑ 8	8♌ 7	9°28	5°56	n.a.	T 2
W 3	18 21 54	4°21'27	28°20	18°24	12° 7	6°46	26°36	11°33	6°57	13°23	15° 7	8° 8	9°25	6° 2	n.a.	W 3
T 4	18 25 50	5°18'52	11♓ 0	20° 8	12°31	7°24	26°46	11°41	6°54	13°22	15° 5	8°10	9°22	6° 9	n.a.	T 4
F 5	18 29 47	6°16'19	23°22	21°56	12°54	8° 2	26°57	11°49	6°52	13°22	15° 4	8°11	9°19	6°16	n.a.	F 5
S 6	18 33 43	7°13'48	5♈29	23°47	13°14	8°40	27° 7	11°56	6°49	13°22	15° 3	8°R12	9°16	6°23	n.a.	S 6
S 7	18 37 40	8°11'17	17°27	25°41	13°33	9°18	27°17	12° 4	6°47	13°21	15° 1	8°11	9°12	6°29	n.a.	S 7
M 8	18 41 37	9° 8'49	29°21	27°37	13°50	9°56	27°28	12°12	6°45	13°21	15° 0	8°10	9° 9	6°36	n.a.	M 8
T 9	18 45 33	10° 6'22	11♉13	29°35	14° 6	10°34	27°39	12°19	6°42	13°20	14°59	8° 7	9° 6	6°43	n.a.	T 9
W10	18 49 30	11° 3'56	23°10	1♋34	14°19	11°12	27°49	12°27	6°40	13°20	14°57	8° 3	9° 3	6°49	n.a.	W10
T 11	18 53 26	12° 1'32	5♊13	3°35	14°30	11°50	28° 0	12°35	6°37	13°19	14°56	7°59	9° 0	6°56	n.a.	T 11
F 12	18 57 23	12°59'10	17°27	5°36	14°39	12°28	28°11	12°42	6°35	13°18	14°55	7°55	8°57	7° 3	n.a.	F 12
S 13	19 1 19	13°56'49	29°52	7°38	14°46	13° 7	28°22	12°50	6°33	13°18	14°53	7°51	8°53	7°10	n.a.	S 13
S 14	19 5 16	14°54'30	12♋29	9°41	14°51	13°45	28°33	12°58	6°30	13°17	14°52	7°48	8°50	7°16	n.a.	S 14
M15	19 9 12	15°52'12	25°20	11°43	14°53	14°23	28°44	13° 5	6°28	13°16	14°51	7°46	8°47	7°23	n.a.	M15
T 16	19 13 9	16°49'55	8♌25	13°45	14°R54	15° 2	28°55	13°13	6°25	13°16	14°49	7°D46	8°44	7°30	n.a.	T 16
W17	19 17 6	17°47'40	21°42	15°47	14°52	15°40	29° 6	13°21	6°23	13°15	14°48	7°46	8°41	7°37	n.a.	W17
T 18	19 21 2	18°45'26	5♍12	17°48	14°47	16°19	29°17	13°28	6°21	13°14	14°46	7°48	8°38	7°43	n.a.	T 18
F 19	19 24 59	19°43'13	18°54	19°48	14°41	16°57	29°29	13°36	6°18	13°13	14°45	7°49	8°34	7°50	n.a.	F 19
S 20	19 28 55	20°41'02	2♎48	21°47	14°31	17°36	29°40	13°44	6°16	13°12	14°44	7°50	8°31	7°57	n.a.	S 20
S 21	19 32 52	21°38'52	16°51	23°46	14°20	18°14	29°51	13°51	6°14	13°11	14°42	7°R51	8°28	8° 3	n.a.	S 21
M22	19 36 48	22°36'43	1♏ 3	25°43	14° 6	18°53	0♍ 3	13°59	6°12	13°11	14°41	7°51	8°25	8°10	n.a.	M22
T 23	19 40 45	23°34'35	15°22	27°39	13°50	19°32	0°15	14° 7	6° 9	13°10	14°40	7°50	8°22	8°17	n.a.	T 23
W24	19 44 41	24°32'29	29°45	29°33	13°31	20°10	0°26	14°14	6° 7	13° 9	14°38	7°48	8°18	8°24	n.a.	W24
T 25	19 48 38	25°30'25	14♐ 6	1♌27	13°10	20°49	0°38	14°22	6° 5	13° 8	14°37	7°47	8°15	8°30	n.a.	T 25
F 26	19 52 35	26°28'22	28°23	3°19	12°47	21°28	0°50	14°29	6° 3	13° 7	14°36	7°46	8°12	8°37	n.a.	F 26
S 27	19 56 31	27°26'20	12♑30	5°10	12°22	22° 7	1° 1	14°37	6° 0	13° 6	14°35	7°44	8° 9	8°44	n.a.	S 27
S 28	20 0 28	28°24'21	26°24	7° 0	11°55	22°46	1°13	14°44	5°58	13° 5	14°33	7°44	8° 6	8°51	n.a.	S 28
M29	20 4 24	29°22'22	10♒ 0	8°48	11°26	23°25	1°25	14°52	5°56	13° 4	14°32	7°D44	8° 3	8°57	n.a.	M29
T 30	20 8 21	0♌20'26	23°17	10°35	10°56	24° 4	1°37	14°59	5°54	13° 2	14°31	7°44	7°59	9° 4	n.a.	T 30
W31	20 12 17	1♌18'32	6♓15	12♌21	10♌24	24♌43	1♍49	15♋ 7	5♑52	13♓ 1	14♑29	7♌44	7♌56	9♉11	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n43	19s27	0n34	22n19	0s35	16n11	1s30	20n16	1n10	14n 8	1n17	23n40	0n24	24s 2	0s28	8s10	1s41	31s 7	8s18	18n28	18n 6	8n47		n.a.
T 2	23 42	17 5	0s39	22 43	0 22	15 53	1 41	20 6	1 9	14 4	1 17	23 39	0 25	24 2	0 28	8 10	1 41	31 7	8 18	18 28	18 7	8 49		n.a.
W 3	23 40	13 54	1 48	23 5	0 9	15 36	1 52	19 56	1 9	14 0	1 17	23 39	0 25	24 2	0 28	8 10	1 41	31 8	8 18	18 28	18 7	8 52		n.a.
T 4	23 38	10 9	2 50	23 26	0n 4	15 18	2 3	19 46	1 9	13 57	1 17	23 38	0 25	24 2	0 28	8 10	1 41	31 8	8 19	18 28	18 8	8 54		n.a.
F 5	23 36	6 4	3 42	23 45	0 16	15 1	2 14	19 35	1 8	13 53	1 17	23 38	0 25	24 2	0 28	8 10	1 41	31 8	8 19	18 27	18 9	8 56		n.a.
S 6	23 33	1 49	4 24	24 3	0 27	14 44	2 26	19 25	1 8	13 49	1 16	23 37	0 25	24 2	0 28	8 10	1 41	31 8	8 19	18 27	18 10	8 58		n.a.
S 7	23 29	2n26	4 53	24 18	0 38	14 27	2 37	19 14	1 7	13 46	1 16	23 36	0 25	24 2	0 28	8 11	1 41	31 9	8 19	18 27	18 11	9 0		n.a.
M 8	23 26	6 34	5 9	24 31	0 48	14 11	2 49	19 4	1 7	13 42	1 16	23 36	0 25	24 2	0 28	8 11	1 41	31 9	8 19	18 28	18 12	9 2		n.a.
T 9	23 21	10 26	5 12	24 42	0 57	13 55	3 2	18 53	1 7	13 38	1 16	23 35	0 25	24 3	0 28	8 11	1 41	31 9	8 19	18 28	18 13	9 5		n.a.
W10	23 17	13 56	5 2	24 50	1 5	13 39	3 14	18 42	1 6	13 34	1 16	23 34	0 25	24 3	0 28	8 12	1 41	31 9	8 19	18 29	18 13	9 7		n.a.
T 11	23 12	16 53	4 39	24 55	1 13	13 24	3 27	18 31	1 6	13 30	1 16	23 34	0 25	24 3	0 28	8 12	1 41	31 10	8 19	18 30	18 14	9 9		n.a.
F 12	23 6	19 8	4 2	24 57	1 20	13 9	3 39	18 19	1 5	13 26	1 16	23 33	0 25	24 3	0 28	8 12	1 42	31 10	8 19	18 32	18 15	9 11		n.a.
S 13	23 0	20 31	3 13	24 57	1 26	12 55	3 52	18 8	1 5	13 22	1 16	23 32	0 25	24 3	0 28	8 12	1 42	31 10	8 19	18 32	18 16	9 13		n.a.
S 14	22 54	20 55	2 15	24 54	1 31	12 41	4 5	17 56	1 4	13 19	1 16	23 32	0 26	24 3	0 28	8 13	1 42	31 10	8 19	18 33	18 17	9 15		n.a.
M15	22 47	20 14	1 8	24 49	1 36	12 27	4 19	17 45	1 4	13 15	1 15	23 31	0 26	24 3	0 28	8 13	1 42	31 11	8 20	18 34	18 18	9 17		n.a.
T 16	22 40	18 27	0n 4	24 41	1 40	12 15	4 32	17 33	1 4	13 10	1 15	23 30	0 26	24 3	0 28	8 13	1 42	31 11	8 20	18 34	18 19	9 20		n.a.
W17	22 33	15 39	1 16	24 30	1 43	12 2	4 45	17 21	1 3	13 6	1 15	23 30	0 26	24 4	0 28	8 14	1 42	31 11	8 20	18 34	18 19	9 22		n.a.
T 18	22 25	11 59	2 26	24 17	1 45	11 51	4 59	17 9	1 3	13 2	1 15	23 29	0 26	24 4	0 28	8 14	1 42	31 11	8 20	18 33	18 20	9 24		n.a.
F 19	22 17	7 37	3 28	24 1	1 46	11 40	5 12	16 57	1 2	12 58	1 15	23 28	0 26	24 4	0 28	8 14	1 42	31 12	8 20	18 33	18 21	9 26		n.a.
S 20	22 8	2 49	4 19	23 43	1 47	11 30	5 25	16 44	1 2	12 54	1 15	23 28	0 26	24 4	0 28	8 15	1 42	31 12	8 20	18 33	18 22	9 28		n.a.
S 21	21 59	2s10	4 55	23 23	1 47	11 20	5 39	16 32	1 1	12 50	1 15	23 27	0 26	24 4	0 28	8 15	1 42	31 12	8 20	18 33	18 23	9 30		n.a.
M22	21 49	7 6	5 14	23 2	1 47	11 12	5 52	16 19	1 1	12 46	1 15	23 26	0 26	24 4	0 28	8 16	1 42	31 12	8 20	18 33	18 24	9 33		n.a.
T 23	21 40	11 40	5 13	22 38	1 46	11 4	6 5	16 7	1 1	12 41	1 15	23 26	0 26	24 4	0 28	8 16	1 42	31 12	8 20	18 33	18 24	9 35		n.a.
W24	21 29	15 35	4 53	22 12	1 44	10 57	6 17	15 54	1 0	12 37	1 14	23 25	0 26	24 4	0 28	8 16	1 42	31 12	8 20	18 33	18 25	9 37		n.a.
T 25	21 19	18 34	4 15	21 45	1 42	10 51	6 30	15 41	1 0	12 33	1 14	23 24	0 27	24 4	0 28	8 17	1 42	31 13	8 20	18 33	18 26	9 39		n.a.
F 26	21 8	20 23	3 21	21 17	1 40	10 46	6 42	15 28	0 59	12 29	1 14	23 23	0 27	24 5	0 28	8 17	1 42	31 13	8 20	18 34	18 27	9 41		n.a.
S 27	20 56	20 54	2 15	20 47	1 37	10 41	6 54	15 15	0 59	12 24	1 14	23 23	0 27	24 5	0 28	8 18	1 42	31 13	8 20	18 34	18 28	9 43		n.a.
S 28	20 45	20 7	1 2	20 16	1 33	10 38	7 5	15 1	0 58	12 20	1 14	23 22	0 27	24 5	0 28	8 18	1 42	31 13	8 20	18 34	18 29	9 45		n.a.
M29	20 33	18 10	0s13	19 44	1 30	10 35	7 16	14 48	0 58	12 15	1 14	23 21	0 27	24 5	0 28	8 19	1 42	31 13	8 20	18 34	18 29	9 48		n.a.
T 30	20 20	15 16	1 25	19 10	1 25	10 33	7 26	14 34	0 57	12 11	1 14	23 20	0 27	24 5	0 28	8 19	1 42	31 13	8 20	18 34	18 30	9 50		n.a.
W31	20n 7	11s41	2s32	18n36	1n21	10n33	7s36	14n21	0n57	12n 7	1n14	23n20	0n27	24s 5	0s28	8s20	1s42	31s14	8s20	18n34	18n31	9n52		n.a.

Julian Day Number = 1560894.5, Delta T = 04h24m16s
Ecliptic obliquity = 23°44'48, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'32, Lahiri = -10°01'31 Julian Calendar 1 July 440 BCE == Greg. Calendar 26 June 440 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

AUGUST 440 BCE (-439) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 16 14	2♌16'39	18♓54	14♌ 6	9°R50	25♌22	2♍ 1	15♋14	5°R50	13°R 0	14°R28	7♌45	7♌53	9♉17	n.a.	T 1
F 2	20 20 10	3°14'49	1♈16	15°49	9♌16	26° 1	2°13	15°22	5♑48	12♓59	14♑27	7°46	7°50	9°24	n.a.	F 2
S 3	20 24 7	4°13'00	13°25	17°32	8°40	26°40	2°26	15°29	5°46	12°58	14°26	7°46	7°47	9°31	n.a.	S 3
S 4	20 28 4	5°11'14	25°24	19°13	8° 4	27°20	2°38	15°37	5°44	12°56	14°24	7°46	7°43	9°38	n.a.	S 4
M 5	20 32 0	6° 9'30	7♉19	20°52	7°27	27°59	2°50	15°44	5°42	12°55	14°23	7°R46	7°40	9°44	n.a.	M 5
T 6	20 35 57	7° 7'48	19°12	22°31	6°51	28°38	3° 2	15°51	5°40	12°54	14°22	7°46	7°37	9°51	n.a.	T 6
W 7	20 39 53	8° 6'08	1♊ 9	24° 8	6°14	29°18	3°15	15°59	5°38	12°53	14°21	7°D46	7°34	9°58	n.a.	W 7
T 8	20 43 50	9° 4'31	13°15	25°45	5°37	29°57	3°27	16° 6	5°36	12°51	14°19	7°46	7°31	10° 5	n.a.	T 8
F 9	20 47 46	10° 2'56	25°33	27°20	5° 1	0♍37	3°40	16°13	5°34	12°50	14°18	7°46	7°28	10°11	n.a.	F 9
S 10	20 51 43	11° 1'23	8♋ 6	28°54	4°26	1°16	3°52	16°20	5°32	12°49	14°17	7°47	7°24	10°18	n.a.	S 10
S 11	20 55 39	11°59'52	20°57	0♍27	3°51	1°56	4° 5	16°28	5°31	12°47	14°16	7°47	7°21	10°25	n.a.	S 11
M12	20 59 36	12°58'23	4♌ 6	1°59	3°18	2°35	4°17	16°35	5°29	12°46	14°15	7°R47	7°18	10°31	n.a.	M12
T 13	21 3 33	13°56'56	17°32	3°29	2°46	3°15	4°30	16°42	5°27	12°45	14°14	7°47	7°15	10°38	n.a.	T 13
W14	21 7 29	14°55'31	1♍16	4°59	2°16	3°55	4°42	16°49	5°25	12°43	14°13	7°47	7°12	10°45	n.a.	W14
T 15	21 11 26	15°54'08	15°13	6°27	1°47	4°35	4°55	16°56	5°24	12°42	14°11	7°46	7° 9	10°52	n.a.	T 15
F 16	21 15 22	16°52'47	29°21	7°55	1°20	5°14	5° 8	17° 3	5°22	12°40	14°10	7°45	7° 5	10°58	n.a.	F 16
S 17	21 19 19	17°51'28	13♎35	9°21	0°55	5°54	5°20	17°10	5°21	12°39	14° 9	7°44	7° 2	11° 5	n.a.	S 17
S 18	21 23 15	18°50'11	27°52	10°46	0°32	6°34	5°33	17°17	5°19	12°37	14° 8	7°43	6°59	11°12	n.a.	S 18
M19	21 27 12	19°48'55	12♏ 8	12° 9	0°12	7°14	5°46	17°24	5°18	12°36	14° 7	7°42	6°56	11°18	n.a.	M19
T 20	21 31 8	20°47'41	26°21	13°32	29♋53	7°54	5°59	17°31	5°16	12°34	14° 6	7°D42	6°53	11°25	n.a.	T 20
W21	21 35 5	21°46'30	10♐28	14°53	29°37	8°34	6°12	17°38	5°15	12°33	14° 5	7°43	6°49	11°32	n.a.	W21
T 22	21 39 1	22°45'19	24°27	16°13	29°23	9°14	6°24	17°44	5°13	12°31	14° 4	7°44	6°46	11°39	n.a.	T 22
F 23	21 42 58	23°44'11	8♑17	17°32	29°12	9°55	6°37	17°51	5°12	12°30	14° 3	7°45	6°43	11°45	n.a.	F 23
S 24	21 46 55	24°43'05	21°56	18°49	29° 3	10°35	6°50	17°58	5°11	12°28	14° 2	7°46	6°40	11°52	n.a.	S 24
S 25	21 50 51	25°42'01	5♒23	20° 5	28°56	11°15	7° 3	18° 4	5° 9	12°26	14° 1	7°R47	6°37	11°59	n.a.	S 25
M26	21 54 48	26°40'58	18°37	21°19	28°52	11°55	7°16	18°11	5° 8	12°25	14° 0	7°46	6°34	12° 6	n.a.	M26
T 27	21 58 44	27°39'58	1♓37	22°32	28°D51	12°36	7°29	18°17	5° 7	12°23	13°59	7°45	6°30	12°12	n.a.	T 27
W28	22 2 41	28°39'00	14°23	23°43	28°51	13°16	7°42	18°24	5° 6	12°22	13°58	7°43	6°27	12°19	n.a.	W28
T 29	22 6 37	29°38'04	26°55	24°52	28°54	13°57	7°55	18°30	5° 5	12°20	13°58	7°39	6°24	12°26	n.a.	T 29
F 30	22 10 34	0♍37'10	9♈13	25°59	29° 0	14°37	8° 8	18°37	5° 4	12°18	13°57	7°36	6°21	12°32	n.a.	F 30
S 31	22 14 30	1♍36'19	21♈21	27♍ 4	29♋ 7	15♍18	8♍21	18♋43	5♑ 3	12♓17	13♑56	7♌32	6♌18	12♉39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	19n54	7s38	3s29	18n 1	1n16	10n33	7s45	14n 7	0n57	12n 2	1n14	23n19	0n27	24s 5	0s28	8s20	1s43	31s14	8s20	18n34	18n32	9n54			n.a.
F 2	19 41	3 23	4 15	17 25	1 10	10 34	7 53	13 53	0 56	11 58	1 14	23 18	0 27	24 5	0 28	8 21	1 43	31 14	8 20	18 34	18 33	9 56			n.a.
S 3	19 27	0n56	4 49	16 48	1 5	10 36	8 0	13 39	0 56	11 53	1 14	23 17	0 27	24 5	0 28	8 21	1 43	31 14	8 20	18 34	18 34	9 58			n.a.
S 4	19 13	5 9	5 10	16 11	0 59	10 38	8 7	13 25	0 55	11 49	1 14	23 17	0 28	24 5	0 28	8 22	1 43	31 14	8 20	18 34	18 34	10 0			n.a.
M 5	18 58	9 8	5 17	15 33	0 53	10 42	8 13	13 11	0 55	11 44	1 14	23 16	0 28	24 5	0 28	8 22	1 43	31 14	8 20	18 34	18 35	10 3			n.a.
T 6	18 44	12 46	5 11	14 55	0 47	10 46	8 18	12 57	0 54	11 40	1 13	23 15	0 28	24 6	0 28	8 23	1 43	31 14	8 20	18 34	18 36	10 5			n.a.
W 7	18 28	15 54	4 51	14 17	0 40	10 51	8 22	12 42	0 54	11 35	1 13	23 14	0 28	24 6	0 28	8 23	1 43	31 15	8 20	18 34	18 37	10 7			n.a.
T 8	18 13	18 25	4 18	13 38	0 33	10 57	8 25	12 28	0 53	11 30	1 13	23 13	0 28	24 6	0 28	8 24	1 43	31 15	8 20	18 34	18 38	10 9			n.a.
F 9	17 57	20 7	3 33	12 58	0 27	11 3	8 27	12 13	0 53	11 26	1 13	23 13	0 28	24 6	0 28	8 24	1 43	31 15	8 20	18 34	18 39	10 11			n.a.
S 10	17 41	20 53	2 37	12 19	0 20	11 10	8 28	11 59	0 52	11 21	1 13	23 12	0 28	24 6	0 28	8 25	1 43	31 15	8 20	18 34	18 39	10 13			n.a.
S 11	17 25	20 35	1 32	11 39	0 12	11 18	8 29	11 44	0 52	11 16	1 13	23 11	0 28	24 6	0 28	8 25	1 43	31 15	8 20	18 33	18 40	10 15			n.a.
M12	17 8	19 9	0 20	10 59	0 5	11 26	8 28	11 29	0 51	11 12	1 13	23 10	0 28	24 6	0 28	8 26	1 43	31 15	8 20	18 33	18 41	10 17			n.a.
T 13	16 51	16 38	0n54	10 19	0s 3	11 34	8 27	11 14	0 51	11 7	1 13	23 10	0 28	24 6	0 28	8 27	1 43	31 15	8 20	18 33	18 42	10 20			n.a.
W14	16 34	13 8	2 6	9 39	0 10	11 43	8 24	10 59	0 50	11 2	1 13	23 9	0 29	24 6	0 28	8 27	1 43	31 15	8 20	18 34	18 43	10 22			n.a.
T 15	16 16	8 51	3 13	8 59	0 18	11 52	8 21	10 44	0 50	10 58	1 13	23 8	0 29	24 6	0 28	8 28	1 43	31 15	8 20	18 34	18 43	10 24			n.a.
F 16	15 59	4 3	4 8	8 19	0 26	12 1	8 18	10 28	0 49	10 53	1 13	23 7	0 29	24 6	0 28	8 28	1 43	31 15	8 20	18 34	18 44	10 26			n.a.
S 17	15 41	1s 0	4 49	7 39	0 33	12 11	8 13	10 13	0 49	10 48	1 13	23 6	0 29	24 6	0 28	8 29	1 43	31 15	8 19	18 34	18 45	10 28			n.a.
S 18	15 22	6 0	5 12	6 59	0 41	12 21	8 8	9 58	0 48	10 43	1 13	23 6	0 29	24 6	0 28	8 30	1 43	31 15	8 19	18 35	18 46	10 30			n.a.
M19	15 4	10 40	5 15	6 20	0 49	12 31	8 2	9 42	0 48	10 38	1 13	23 5	0 29	24 6	0 28	8 30	1 43	31 16	8 19	18 35	18 47	10 32			n.a.
T 20	14 45	14 44	5 0	5 40	0 57	12 41	7 56	9 27	0 47	10 34	1 13	23 4	0 29	24 6	0 28	8 31	1 43	31 16	8 19	18 35	18 47	10 34			n.a.
W21	14 26	17 55	4 26	5 2	1 5	12 51	7 49	9 11	0 47	10 29	1 13	23 3	0 29	24 7	0 28	8 32	1 43	31 16	8 19	18 35	18 48	10 37			n.a.
T 22	14 6	20 1	3 37	4 23	1 13	13 1	7 41	8 55	0 46	10 24	1 13	23 2	0 29	24 7	0 28	8 32	1 43	31 16	8 19	18 34	18 49	10 39			n.a.
F 23	13 47	20 54	2 36	3 45	1 21	13 11	7 33	8 40	0 46	10 19	1 13	23 2	0 30	24 7	0 28	8 33	1 43	31 16	8 19	18 34	18 50	10 41			n.a.
S 24	13 27	20 31	1 26	3 7	1 29	13 21	7 25	8 24	0 45	10 14	1 13	23 1	0 30	24 7	0 28	8 33	1 43	31 16	8 19	18 34	18 51	10 43			n.a.
S 25	13 7	18 57	0 13	2 30	1 37	13 31	7 16	8 8	0 45	10 9	1 13	23 0	0 30	24 7	0 28	8 34	1 43	31 16	8 19	18 34	18 52	10 45			n.a.
M26	12 47	16 23	0s59	1 53	1 45	13 40	7 8	7 52	0 44	10 4	1 13	22 59	0 30	24 7	0 28	8 35	1 43	31 16	8 19	18 34	18 52	10 47			n.a.
T 27	12 26	13 1	2 8	1 17	1 53	13 50	6 58	7 36	0 44	10 0	1 13	22 59	0 30	24 7	0 28	8 35	1 43	31 16	8 19	18 34	18 53	10 49			n.a.
W28	12 6	9 6	3 8	0 41	2 0	13 59	6 49	7 19	0 43	9 55	1 13	22 58	0 30	24 7	0 28	8 36	1 43	31 16	8 19	18 35	18 54	10 51			n.a.
T 29	11 45	4 53	3 58	0 7	2 8	14 8	6 39	7 3	0 43	9 50	1 13	22 57	0 30	24 7	0 28	8 37	1 43	31 16	8 18	18 35	18 55	10 54			n.a.
F 30	11 24	0 31	4 36	0s27	2 15	14 17	6 29	6 47	0 42	9 45	1 13	22 56	0 30	24 7	0 28	8 37	1 43	31 16	8 18	18 36	18 56	10 56			n.a.
S 31	11n 2	3n47	5s 1	1s 0	2s22	14n25	6s19	6n31	0n42	9n40	1n13	22n55	0n31	24s 7	0s28	8s38	1s44	31s16	8s18	18n37	18n56	10n58			n.a.

Julian Day Number = 1560925.5, Delta T = 04h24m15s
Ecliptic obliquity = 23°44'49, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'27, Lahiri = -10°01'27 Julian Calendar 1 Aug. 440 BCE == Greg. Calendar 27 July 440 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

SEPTEMBER 440 BCE (-439) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 18 27	2♍35'30	3♉19	28♍ 7	29♋17	15♍58	8♍34	18♋49	5°R 2	12°R15	13°R55	7°R29	6♌15	12♉46	n.a.	S 1
M 2	22 22 24	3°34'43	15°12	29° 7	29°29	16°39	8°47	18°56	5♑ 1	12♓13	13♑54	7♌26	6°11	12°53	n.a.	M 2
T 3	22 26 20	4°33'59	27° 5	0♎ 5	29°43	17°20	9° 0	19° 2	5° 0	12°12	13°54	7°24	6° 8	12°59	n.a.	T 3
W 4	22 30 17	5°33'18	9♊ 1	1° 0	29°59	18° 0	9°13	19° 8	4°59	12°10	13°53	7°D24	6° 5	13° 6	n.a.	W 4
T 5	22 34 13	6°32'38	21° 5	1°51	0♌18	18°41	9°26	19°14	4°58	12° 8	13°52	7°25	6° 2	13°13	n.a.	T 5
F 6	22 38 10	7°32'02	3♋22	2°39	0°38	19°22	9°39	19°20	4°58	12° 7	13°51	7°27	5°59	13°19	n.a.	F 6
S 7	22 42 6	8°31'27	15°57	3°24	1° 0	20° 3	9°52	19°26	4°57	12° 5	13°51	7°28	5°55	13°26	n.a.	S 7
S 8	22 46 3	9°30'55	28°53	4° 4	1°24	20°44	10° 6	19°32	4°56	12° 3	13°50	7°30	5°52	13°33	n.a.	S 8
M 9	22 49 59	10°30'26	12♌12	4°40	1°49	21°25	10°19	19°37	4°56	12° 2	13°50	7°R30	5°49	13°40	n.a.	M 9
T 10	22 53 56	11°29'58	25°56	5°11	2°16	22° 6	10°32	19°43	4°55	12° 0	13°49	7°29	5°46	13°46	n.a.	T 10
W11	22 57 52	12°29'33	10♍ 2	5°37	2°45	22°47	10°45	19°49	4°55	11°58	13°48	7°25	5°43	13°53	n.a.	W11
T 12	23 1 49	13°29'10	24°26	5°57	3°15	23°28	10°58	19°54	4°54	11°57	13°48	7°21	5°40	14° 0	n.a.	T 12
F 13	23 5 46	14°28'49	9♎ 3	6°10	3°47	24°10	11°11	20° 0	4°54	11°55	13°47	7°15	5°36	14° 7	n.a.	F 13
S 14	23 9 42	15°28'30	23°45	6°R17	4°21	24°51	11°24	20° 5	4°54	11°53	13°47	7° 9	5°33	14°13	n.a.	S 14
S 15	23 13 39	16°28'13	8♏25	6°16	4°55	25°32	11°37	20°11	4°54	11°52	13°46	7° 4	5°30	14°20	n.a.	S 15
M16	23 17 35	17°27'58	22°57	6° 8	5°31	26°14	11°50	20°16	4°53	11°50	13°46	7° 0	5°27	14°27	n.a.	M16
T 17	23 21 32	18°27'44	7♐16	5°51	6° 9	26°55	12° 3	20°21	4°53	11°48	13°45	6°58	5°24	14°33	n.a.	T 17
W18	23 25 28	19°27'33	21°19	5°25	6°47	27°37	12°16	20°26	4°53	11°47	13°45	6°D57	5°20	14°40	n.a.	W18
T 19	23 29 25	20°27'23	5♑ 6	4°50	7°27	28°18	12°29	20°31	4°53	11°45	13°45	6°58	5°17	14°47	n.a.	T 19
F 20	23 33 21	21°27'15	18°38	4° 7	8° 8	29° 0	12°42	20°36	4°D53	11°43	13°44	6°59	5°14	14°54	n.a.	F 20
S 21	23 37 18	22°27'09	1♒54	3°15	8°50	29°41	12°55	20°41	4°53	11°42	13°44	7°R 0	5°11	15° 0	n.a.	S 21
S 22	23 41 15	23°27'04	14°58	2°16	9°33	0♎23	13° 8	20°46	4°53	11°40	13°44	7° 0	5° 8	15° 7	n.a.	S 22
M23	23 45 11	24°27'02	27°49	1° 9	10°17	1° 5	13°21	20°51	4°53	11°38	13°43	6°58	5° 5	15°14	n.a.	M23
T 24	23 49 8	25°27'01	10♓30	29♍57	11° 3	1°46	13°34	20°56	4°53	11°37	13°43	6°54	5° 1	15°21	n.a.	T 24
W25	23 53 4	26°27'02	23° 0	28°42	11°49	2°28	13°47	21° 0	4°54	11°35	13°43	6°47	4°58	15°27	n.a.	W25
T 26	23 57 1	27°27'06	5♈20	27°25	12°36	3°10	14° 0	21° 5	4°54	11°33	13°43	6°38	4°55	15°34	n.a.	T 26
F 27	0 0 57	28°27'11	17°30	26° 9	13°24	3°52	14°13	21° 9	4°54	11°32	13°43	6°28	4°52	15°41	n.a.	F 27
S 28	0 4 54	29°27'18	29°33	24°56	14°13	4°34	14°26	21°13	4°55	11°30	13°42	6°18	4°49	15°47	n.a.	S 28
S 29	0 8 50	0♎27'27	11♉29	23°49	15° 3	5°16	14°39	21°18	4°55	11°29	13°42	6° 8	4°46	15°54	n.a.	S 29
M30	0 12 47	1♎27'39	23♉21	22♍49	15♌53	5♎58	14♍52	21♋22	4♑56	11♓27	13♑42	6♌ 0	4♌42	16♉ 1	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n41	7n53	5s13	1s31	2s29	14n33	6s 9	6n14	0n41	9n35	1n13	22n55	0n31	24s 7	0s28	8s39	1s44	31s16	8s18	18n38	18n57	11n 0		n.a.
M 2	10 19	11 39	5 11	2 2	2 36	14 41	5 58	5 58	0 41	9 30	1 13	22 54	0 31	24 7	0 28	8 39	1 44	31 16	8 18	18 39	18 58	11 2		n.a.
T 3	9 58	14 58	4 55	2 31	2 43	14 48	5 48	5 41	0 40	9 25	1 13	22 53	0 31	24 7	0 28	8 40	1 44	31 16	8 18	18 39	18 59	11 4		n.a.
W 4	9 36	17 41	4 27	2 59	2 49	14 55	5 38	5 25	0 40	9 20	1 13	22 52	0 31	24 7	0 28	8 41	1 44	31 16	8 18	18 39	19 0	11 6		n.a.
T 5	9 13	19 40	3 47	3 25	2 55	15 1	5 27	5 8	0 39	9 15	1 13	22 52	0 31	24 7	0 28	8 41	1 44	31 16	8 18	18 39	19 0	11 8		n.a.
F 6	8 51	20 46	2 56	3 49	3 0	15 7	5 17	4 51	0 39	9 10	1 13	22 51	0 31	24 7	0 28	8 42	1 44	31 16	8 18	18 39	19 1	11 10		n.a.
S 7	8 29	20 52	1 55	4 12	3 5	15 13	5 6	4 34	0 38	9 5	1 13	22 50	0 31	24 7	0 28	8 43	1 44	31 16	8 17	18 38	19 2	11 13		n.a.
S 8	8 6	19 53	0 47	4 32	3 10	15 18	4 56	4 18	0 38	9 0	1 13	22 50	0 32	24 7	0 28	8 43	1 44	31 15	8 17	18 38	19 3	11 15		n.a.
M 9	7 43	17 46	0n26	4 50	3 14	15 22	4 46	4 1	0 37	8 55	1 13	22 49	0 32	24 7	0 28	8 44	1 44	31 15	8 17	18 38	19 4	11 17		n.a.
T 10	7 20	14 35	1 39	5 6	3 17	15 26	4 35	3 44	0 37	8 50	1 13	22 48	0 32	24 7	0 28	8 44	1 44	31 15	8 17	18 38	19 4	11 19		n.a.
W11	6 58	10 29	2 48	5 19	3 20	15 30	4 25	3 27	0 36	8 45	1 13	22 47	0 32	24 7	0 28	8 45	1 44	31 15	8 17	18 39	19 5	11 21		n.a.
T 12	6 34	5 43	3 48	5 28	3 21	15 33	4 15	3 10	0 36	8 40	1 13	22 47	0 32	24 7	0 28	8 46	1 44	31 15	8 17	18 40	19 6	11 23		n.a.
F 13	6 11	0 33	4 33	5 34	3 22	15 35	4 5	2 53	0 35	8 35	1 13	22 46	0 32	24 7	0 28	8 46	1 44	31 15	8 17	18 42	19 7	11 25		n.a.
S 14	5 48	4s40	5 2	5 36	3 22	15 37	3 55	2 36	0 34	8 30	1 13	22 45	0 32	24 7	0 28	8 47	1 44	31 15	8 17	18 43	19 7	11 27		n.a.
S 15	5 24	9 36	5 10	5 35	3 20	15 39	3 45	2 19	0 34	8 25	1 13	22 45	0 33	24 7	0 28	8 48	1 44	31 15	8 16	18 45	19 8	11 29		n.a.
M16	5 1	13 57	4 58	5 29	3 17	15 40	3 35	2 2	0 33	8 20	1 13	22 44	0 33	24 7	0 28	8 48	1 44	31 15	8 16	18 46	19 9	11 31		n.a.
T 17	4 37	17 24	4 28	5 18	3 13	15 40	3 25	1 44	0 33	8 15	1 13	22 43	0 33	24 7	0 28	8 49	1 44	31 15	8 16	18 46	19 10	11 34		n.a.
W18	4 13	19 46	3 42	5 2	3 7	15 40	3 15	1 27	0 32	8 10	1 13	22 43	0 33	24 7	0 28	8 50	1 44	31 15	8 16	18 46	19 11	11 36		n.a.
T 19	3 50	20 55	2 44	4 41	2 59	15 39	3 6	1 10	0 32	8 5	1 13	22 42	0 33	24 7	0 28	8 50	1 44	31 15	8 16	18 46	19 11	11 38		n.a.
F 20	3 26	20 49	1 38	4 15	2 50	15 38	2 56	0 53	0 31	8 0	1 13	22 41	0 33	24 7	0 28	8 51	1 44	31 15	8 16	18 46	19 12	11 40		n.a.
S 21	3 2	19 33	0 28	3 44	2 39	15 36	2 47	0 36	0 31	7 55	1 13	22 41	0 33	24 7	0 28	8 52	1 44	31 14	8 16	18 46	19 13	11 42		n.a.
S 22	2 38	17 14	0s43	3 7	2 25	15 33	2 38	0 18	0 30	7 50	1 13	22 40	0 33	24 7	0 28	8 52	1 44	31 14	8 15	18 46	19 14	11 44		n.a.
M23	2 14	14 6	1 50	2 27	2 10	15 30	2 29	0 1	0 29	7 45	1 13	22 40	0 34	24 7	0 28	8 53	1 44	31 14	8 15	18 46	19 15	11 46		n.a.
T 24	1 50	10 21	2 50	1 42	1 53	15 27	2 20	0s16	0 29	7 40	1 13	22 39	0 34	24 7	0 28	8 53	1 44	31 14	8 15	18 47	19 15	11 48		n.a.
W25	1 26	6 12	3 41	0 55	1 35	15 22	2 11	0 34	0 28	7 35	1 13	22 38	0 34	24 7	0 28	8 54	1 44	31 14	8 15	18 49	19 16	11 50		n.a.
T 26	1 2	1 51	4 21	0 6	1 15	15 18	2 2	0 51	0 28	7 30	1 13	22 38	0 34	24 7	0 28	8 55	1 44	31 14	8 15	18 51	19 17	11 52		n.a.
F 27	0 37	2n31	4 49	0n43	0 55	15 12	1 54	1 9	0 27	7 25	1 13	22 37	0 34	24 7	0 28	8 55	1 44	31 14	8 15	18 54	19 18	11 54		n.a.
S 28	0 13	6 44	5 3	1 31	0 34	15 6	1 45	1 26	0 27	7 20	1 13	22 37	0 34	24 7	0 27	8 56	1 44	31 14	8 15	18 56	19 18	11 57		n.a.
S 29	0s11	10 39	5 4	2 17	0 14	14 59	1 37	1 43	0 26	7 15	1 13	22 36	0 34	24 7	0 27	8 57	1 44	31 13	8 14	18 59	19 19	11 59		n.a.
M30	0s35	14n 9	4s51	2n59	0n 6	14n52	1s29	2s 1	0n25	7n10	1n13	22n36	0n35	24s 7	0s27	8s57	1s44	31s13	8s14	19n 1	19n20	12n 1		n.a.

Julian Day Number = 1560956.5, Delta T = 04h24m14s
Ecliptic obliquity = 23°44'49, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'23, Lahiri = -10°01'23 Julian Calendar 1 Sept. 440 BCE == Greg. Calendar 27 Aug. 440 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

OCTOBER 440 BCE (-439) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 16 43	2♎27'52	5♊11	21°R58	16♌45	6♎40	15♍ 5	21♋26	4♑56	11°R26	13°R42	5°R53	4♌39	16♉ 8	n.a.	T 1
W 2	0 20 40	3°28'08	17° 5	21♍18	17°37	7°23	15°17	21°30	4°57	11♓24	13♑42	5♌49	4°36	16°14	n.a.	W 2
T 3	0 24 37	4°28'26	29° 5	20°50	18°29	8° 5	15°30	21°34	4°57	11°23	13°D42	5°48	4°33	16°21	n.a.	T 3
F 4	0 28 33	5°28'46	11♋18	20°32	19°23	8°47	15°43	21°38	4°58	11°21	13°42	5°D48	4°30	16°28	n.a.	F 4
S 5	0 32 30	6°29'08	23°49	20°D27	20°17	9°29	15°56	21°41	4°59	11°20	13°42	5°48	4°26	16°34	n.a.	S 5
S 6	0 36 26	7°29'33	6♌42	20°33	21°12	10°12	16° 8	21°45	5° 0	11°18	13°42	5°R49	4°23	16°41	n.a.	S 6
M 7	0 40 23	8°29'59	20° 1	20°49	22° 8	10°54	16°21	21°48	5° 0	11°17	13°42	5°48	4°20	16°48	n.a.	M 7
T 8	0 44 19	9°30'27	3♍49	21°16	23° 4	11°37	16°33	21°52	5° 1	11°15	13°42	5°45	4°17	16°55	n.a.	T 8
W 9	0 48 16	10°30'57	18° 5	21°51	24° 0	12°19	16°46	21°55	5° 2	11°14	13°43	5°39	4°14	17° 1	n.a.	W 9
T 10	0 52 12	11°31'29	2♎46	22°35	24°58	13° 2	16°58	21°58	5° 3	11°12	13°43	5°31	4°11	17° 8	n.a.	T 10
F 11	0 56 9	12°32'03	17°45	23°25	25°56	13°45	17°11	22° 2	5° 4	11°11	13°43	5°21	4° 7	17°15	n.a.	F 11
S 12	1 0 6	13°32'39	2♏53	24°23	26°54	14°27	17°23	22° 5	5° 5	11°10	13°43	5°10	4° 4	17°21	n.a.	S 12
S 13	1 4 2	14°33'16	17°59	25°26	27°53	15°10	17°36	22° 7	5° 7	11° 8	13°44	5° 0	4° 1	17°28	n.a.	S 13
M14	1 7 59	15°33'54	2♐53	26°34	28°52	15°53	17°48	22°10	5° 8	11° 7	13°44	4°52	3°58	17°35	n.a.	M14
T 15	1 11 55	16°34'34	17°28	27°46	29°52	16°36	18° 0	22°13	5° 9	11° 6	13°44	4°46	3°55	17°42	n.a.	T 15
W16	1 15 52	17°35'15	1♑40	29° 1	0♍52	17°19	18°13	22°16	5°10	11° 4	13°44	4°43	3°51	17°48	n.a.	W16
T 17	1 19 48	18°35'58	15°29	0♎20	1°53	18° 2	18°25	22°18	5°12	11° 3	13°45	4°D42	3°48	17°55	n.a.	T 17
F 18	1 23 45	19°36'41	28°54	1°41	2°54	18°45	18°37	22°21	5°13	11° 2	13°45	4°R42	3°45	18° 2	n.a.	F 18
S 19	1 27 41	20°37'26	12♒ 0	3° 5	3°55	19°28	18°49	22°23	5°15	11° 1	13°46	4°42	3°42	18° 9	n.a.	S 19
S 20	1 31 38	21°38'12	24°48	4°30	4°57	20°11	19° 1	22°25	5°16	10°59	13°46	4°41	3°39	18°15	n.a.	S 20
M21	1 35 35	22°38'59	7♓23	5°57	6° 0	20°54	19°13	22°27	5°18	10°58	13°47	4°37	3°36	18°22	n.a.	M21
T 22	1 39 31	23°39'48	19°47	7°25	7° 2	21°37	19°25	22°29	5°19	10°57	13°47	4°30	3°32	18°29	n.a.	T 22
W23	1 43 28	24°40'37	2♈ 2	8°55	8° 5	22°20	19°37	22°31	5°21	10°56	13°48	4°20	3°29	18°35	n.a.	W23
T 24	1 47 24	25°41'28	14°10	10°25	9° 9	23° 4	19°49	22°33	5°22	10°55	13°48	4° 7	3°26	18°42	n.a.	T 24
F 25	1 51 21	26°42'20	26°12	11°55	10°13	23°47	20° 0	22°35	5°24	10°54	13°49	3°53	3°23	18°49	n.a.	F 25
S 26	1 55 17	27°43'13	8♉ 9	13°27	11°17	24°31	20°12	22°36	5°26	10°53	13°50	3°38	3°20	18°56	n.a.	S 26
S 27	1 59 14	28°44'08	20° 3	14°59	12°21	25°14	20°24	22°38	5°28	10°52	13°50	3°23	3°17	19° 2	n.a.	S 27
M28	2 3 10	29°45'04	1♊53	16°31	13°26	25°57	20°35	22°39	5°30	10°51	13°51	3°11	3°13	19° 9	n.a.	M28
T 29	2 7 7	0♏46'01	13°44	18° 4	14°31	26°41	20°47	22°40	5°32	10°50	13°52	3° 1	3°10	19°16	n.a.	T 29
W30	2 11 4	1°47'00	25°38	19°36	15°36	27°25	20°58	22°41	5°34	10°49	13°52	2°54	3° 7	19°22	n.a.	W30
T 31	2 15 0	2♏48'00	7♋37	21♎ 9	16♍42	28♎ 8	21♍ 9	22♋42	5♑35	10♓48	13♑53	2♌50	3♌ 4	19♉29	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	1s 0	17n 4	4s27	3n37	0n26	14n44	1s21	2s18	0n25	7n 5	1n13	22n35	0n35	24s 7	0s27	8s58	1s44	31s13	8s14	19n 2	19n21	12n 3			n.a.
W 2	1 24	19 18	3 50	4 9	0 43	14 36	1 13	2 36	0 24	7 0	1 14	22 35	0 35	24 7	0 27	8 58	1 44	31 13	8 14	19 3	19 22	12 5			n.a.
T 3	1 48	20 41	3 3	4 36	1 0	14 27	1 5	2 53	0 24	6 55	1 14	22 34	0 35	24 7	0 27	8 59	1 44	31 13	8 14	19 4	19 22	12 7			n.a.
F 4	2 12	21 9	2 7	4 56	1 15	14 17	0 57	3 10	0 23	6 50	1 14	22 34	0 35	24 7	0 27	8 59	1 43	31 13	8 14	19 4	19 23	12 9			n.a.
S 5	2 36	20 34	1 4	5 11	1 28	14 7	0 50	3 28	0 23	6 45	1 14	22 33	0 35	24 6	0 27	9 0	1 43	31 12	8 13	19 4	19 24	12 11			n.a.
S 6	3 1	18 55	0n 5	5 19	1 39	13 57	0 43	3 45	0 22	6 40	1 14	22 33	0 36	24 6	0 27	9 1	1 43	31 12	8 13	19 4	19 25	12 13			n.a.
M 7	3 25	16 11	1 15	5 21	1 49	13 45	0 36	4 3	0 21	6 35	1 14	22 33	0 36	24 6	0 27	9 1	1 43	31 12	8 13	19 4	19 25	12 15			n.a.
T 8	3 49	12 27	2 23	5 18	1 57	13 33	0 28	4 20	0 21	6 30	1 14	22 32	0 36	24 6	0 27	9 2	1 43	31 12	8 13	19 5	19 26	12 17			n.a.
W 9	4 13	7 54	3 25	5 10	2 3	13 21	0 22	4 37	0 20	6 25	1 14	22 32	0 36	24 6	0 27	9 2	1 43	31 12	8 13	19 6	19 27	12 19			n.a.
T 10	4 37	2 46	4 15	4 57	2 8	13 8	0 15	4 55	0 20	6 21	1 14	22 31	0 36	24 6	0 27	9 3	1 43	31 12	8 13	19 8	19 28	12 21			n.a.
F 11	5 1	2s37	4 48	4 40	2 12	12 55	0 8	5 12	0 19	6 16	1 14	22 31	0 36	24 6	0 27	9 3	1 43	31 11	8 12	19 11	19 28	12 24			n.a.
S 12	5 25	7 54	5 2	4 19	2 14	12 41	0 2	5 29	0 18	6 11	1 14	22 31	0 36	24 6	0 27	9 4	1 43	31 11	8 12	19 13	19 29	12 26			n.a.
S 13	5 48	12 42	4 54	3 55	2 16	12 26	0n 4	5 47	0 18	6 6	1 14	22 30	0 37	24 6	0 27	9 4	1 43	31 11	8 12	19 16	19 30	12 28			n.a.
M14	6 12	16 38	4 27	3 28	2 16	12 11	0 11	6 4	0 17	6 1	1 15	22 30	0 37	24 6	0 27	9 5	1 43	31 11	8 12	19 18	19 31	12 30			n.a.
T 15	6 36	19 27	3 43	2 58	2 15	11 55	0 17	6 21	0 17	5 57	1 15	22 30	0 37	24 6	0 27	9 5	1 43	31 11	8 12	19 19	19 31	12 32			n.a.
W16	6 59	20 59	2 46	2 26	2 14	11 39	0 22	6 38	0 16	5 52	1 15	22 29	0 37	24 6	0 27	9 6	1 43	31 10	8 12	19 20	19 32	12 34			n.a.
T 17	7 23	21 11	1 40	1 52	2 12	11 23	0 28	6 55	0 15	5 47	1 15	22 29	0 37	24 6	0 27	9 6	1 43	31 10	8 12	19 20	19 33	12 36			n.a.
F 18	7 46	20 8	0 31	1 17	2 9	11 6	0 34	7 13	0 15	5 42	1 15	22 29	0 37	24 6	0 27	9 6	1 43	31 10	8 11	19 20	19 34	12 38			n.a.
S 19	8 9	18 2	0s39	0 40	2 5	10 48	0 39	7 30	0 14	5 38	1 15	22 29	0 38	24 6	0 27	9 7	1 43	31 10	8 11	19 20	19 34	12 40			n.a.
S 20	8 32	15 3	1 44	0 3	2 1	10 30	0 44	7 47	0 14	5 33	1 15	22 29	0 38	24 6	0 27	9 7	1 43	31 10	8 11	19 20	19 35	12 42			n.a.
M21	8 55	11 26	2 44	0s36	1 57	10 12	0 50	8 4	0 13	5 28	1 15	22 28	0 38	24 5	0 27	9 8	1 43	31 9	8 11	19 21	19 36	12 44			n.a.
T 22	9 18	7 22	3 34	1 16	1 52	9 53	0 55	8 21	0 12	5 24	1 15	22 28	0 38	24 5	0 27	9 8	1 43	31 9	8 11	19 23	19 37	12 46			n.a.
W23	9 41	3 3	4 14	1 56	1 47	9 33	0 59	8 37	0 12	5 19	1 15	22 28	0 38	24 5	0 27	9 9	1 43	31 9	8 11	19 25	19 37	12 48			n.a.
T 24	10 3	1n20	4 42	2 37	1 42	9 14	1 4	8 54	0 11	5 14	1 16	22 28	0 38	24 5	0 27	9 9	1 43	31 9	8 10	19 28	19 38	12 50			n.a.
F 25	10 26	5 38	4 57	3 18	1 36	8 54	1 9	9 11	0 10	5 10	1 16	22 28	0 39	24 5	0 27	9 9	1 43	31 9	8 10	19 32	19 39	12 52			n.a.
S 26	10 48	9 42	4 58	3 59	1 30	8 33	1 13	9 28	0 10	5 5	1 16	22 28	0 39	24 5	0 27	9 10	1 43	31 8	8 10	19 35	19 40	12 54			n.a.
S 27	11 10	13 22	4 47	4 41	1 24	8 12	1 17	9 45	0 9	5 1	1 16	22 28	0 39	24 5	0 27	9 10	1 43	31 8	8 10	19 39	19 40	12 56			n.a.
M28	11 32	16 30	4 23	5 23	1 18	7 51	1 21	10 1	0 9	4 56	1 16	22 28	0 39	24 5	0 27	9 10	1 43	31 8	8 10	19 42	19 41	12 58			n.a.
T 29	11 53	18 58	3 48	6 4	1 11	7 29	1 25	10 18	0 8	4 52	1 16	22 28	0 39	24 5	0 27	9 11	1 43	31 8	8 10	19 44	19 42	13 0			n.a.
W30	12 15	20 38	3 3	6 46	1 5	7 7	1 29	10 34	0 7	4 47	1 16	22 27	0 39	24 5	0 27	9 11	1 43	31 8	8 10	19 46	19 43	13 3			n.a.
T 31	12s36	21n23	2s 9	7s27	0n58	6n44	1n33	10s51	0n 7	4n43	1n17	22n27	0n40	24s 5	0s27	9s11	1s43	31s 7	8s 9	19n47	19n43	13n 5			n.a.

Julian Day Number = 1560986.5, Delta T = 04h24m12s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'19, Lahiri = -10°01'19 Julian Calendar 1 Oct. 440 BCE == Greg. Calendar 26 Sept. 440 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

NOVEMBER 440 BCE (-439) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 18 57	3♏49'01	19♋47	22♎43	17♍48	28♎52	21♍21	22♋43	5♑38	10°R47	13♑54	2°R48	3♌ 1	19♉36	n.a.	F 1
S 2	2 22 53	4°50'03	2♌13	24°16	18°54	29°36	21°32	22°44	5°40	10♓46	13°55	2♌48	2°57	19°43	n.a.	S 2
S 3	2 26 50	5°51'07	14°59	25°49	20° 1	0♏20	21°43	22°45	5°42	10°46	13°55	2°48	2°54	19°49	n.a.	S 3
M 4	2 30 46	6°52'12	28°11	27°23	21° 7	1° 3	21°54	22°45	5°44	10°45	13°56	2°46	2°51	19°56	n.a.	M 4
T 5	2 34 43	7°53'19	11♍51	28°56	22°14	1°47	22° 5	22°46	5°46	10°44	13°57	2°43	2°48	20° 3	n.a.	T 5
W 6	2 38 39	8°54'26	26° 2	0♏30	23°22	2°31	22°16	22°46	5°48	10°43	13°58	2°37	2°45	20° 9	n.a.	W 6
T 7	2 42 36	9°55'34	10♎42	2° 3	24°29	3°15	22°27	22°46	5°51	10°43	13°59	2°28	2°42	20°16	n.a.	T 7
F 8	2 46 33	10°56'44	25°46	3°37	25°37	3°59	22°37	22°46	5°53	10°42	14° 0	2°17	2°38	20°23	n.a.	F 8
S 9	2 50 29	11°57'54	11♏ 4	5°11	26°45	4°43	22°48	22°R46	5°55	10°41	14° 1	2° 6	2°35	20°30	n.a.	S 9
S 10	2 54 26	12°59'06	26°25	6°44	27°53	5°28	22°59	22°46	5°58	10°41	14° 2	1°54	2°32	20°36	n.a.	S 10
M11	2 58 22	14° 0'17	11♐37	8°18	29° 1	6°12	23° 9	22°46	6° 0	10°40	14° 3	1°45	2°29	20°43	n.a.	M11
T 12	3 2 19	15° 1'30	26°31	9°52	0♎ 9	6°56	23°19	22°46	6° 3	10°40	14° 4	1°38	2°26	20°50	n.a.	T 12
W13	3 6 15	16° 2'43	10♑59	11°26	1°18	7°40	23°30	22°45	6° 5	10°39	14° 5	1°35	2°23	20°56	n.a.	W13
T 14	3 10 12	17° 3'56	24°59	13° 0	2°27	8°25	23°40	22°45	6° 8	10°39	14° 6	1°33	2°19	21° 3	n.a.	T 14
F 15	3 14 8	18° 5'09	8♒31	14°34	3°36	9° 9	23°50	22°44	6°10	10°38	14° 7	1°D33	2°16	21°10	n.a.	F 15
S 16	3 18 5	19° 6'23	21°38	16° 9	4°45	9°53	24° 0	22°43	6°13	10°38	14° 8	1°R33	2°13	21°17	n.a.	S 16
S 17	3 22 2	20° 7'37	4♓23	17°43	5°54	10°38	24°10	22°42	6°16	10°37	14°10	1°32	2°10	21°23	n.a.	S 17
M18	3 25 58	21° 8'50	16°51	19°18	7° 4	11°22	24°20	22°41	6°18	10°37	14°11	1°29	2° 7	21°30	n.a.	M18
T 19	3 29 55	22°10'04	29° 6	20°53	8°13	12° 7	24°29	22°40	6°21	10°37	14°12	1°23	2° 3	21°37	n.a.	T 19
W20	3 33 51	23°11'19	11♈12	22°28	9°23	12°51	24°39	22°39	6°24	10°37	14°13	1°15	2° 0	21°43	n.a.	W20
T 21	3 37 48	24°12'33	23°11	24° 3	10°33	13°36	24°48	22°38	6°27	10°36	14°14	1° 4	1°57	21°50	n.a.	T 21
F 22	3 41 44	25°13'47	5♉ 6	25°38	11°43	14°21	24°58	22°36	6°29	10°36	14°16	0°51	1°54	21°57	n.a.	F 22
S 23	3 45 41	26°15'02	16°59	27°14	12°53	15° 5	25° 7	22°35	6°32	10°36	14°17	0°38	1°51	22° 4	n.a.	S 23
S 24	3 49 37	27°16'17	28°51	28°50	14° 4	15°50	25°16	22°33	6°35	10°36	14°18	0°25	1°48	22°10	n.a.	S 24
M25	3 53 34	28°17'32	10♊44	0♐26	15°14	16°35	25°25	22°31	6°38	10°36	14°20	0°14	1°44	22°17	n.a.	M25
T 26	3 57 31	29°18'47	22°38	2° 2	16°25	17°20	25°34	22°30	6°41	10°36	14°21	0° 5	1°41	22°24	n.a.	T 26
W27	4 1 27	0♐20'02	4♋37	3°39	17°35	18° 5	25°43	22°28	6°44	10°D36	14°22	29♋59	1°38	22°30	n.a.	W27
T 28	4 5 24	1°21'18	16°42	5°16	18°46	18°50	25°51	22°26	6°47	10°36	14°24	29°56	1°35	22°37	n.a.	T 28
F 29	4 9 20	2°22'33	28°56	6°53	19°57	19°35	26° 0	22°23	6°50	10°36	14°25	29°D55	1°32	22°44	n.a.	F 29
S 30	4 13 17	3♐23'49	11♌23	8♐31	21♎ 8	20♏20	26♍ 8	22♋21	6♑53	10♓36	14♑26	29♋55	1♌29	22♉51	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s57	21n 9	1s 8	8s 9	0n52	6n21	1n36	11s 7	0n 6	4n39	1n17	22n28	0n40	24s 4	0s27	9s12	1s43	31s 7	8s 9	19n47	19n44	13n 7		n.a.
S 2	13 18	19 52	0 3	8 50	0 45	5 58	1 40	11 23	0 5	4 34	1 17	22 28	0 40	24 4	0 27	9 12	1 43	31 7	8 9	19 47	19 45	13 9		n.a.
S 3	13 39	17 34	1n 4	9 31	0 38	5 35	1 43	11 39	0 5	4 30	1 17	22 28	0 40	24 4	0 27	9 12	1 43	31 7	8 9	19 47	19 46	13 11		n.a.
M 4	13 59	14 17	2 10	10 11	0 31	5 11	1 46	11 56	0 4	4 26	1 17	22 28	0 40	24 4	0 27	9 12	1 42	31 6	8 9	19 47	19 46	13 13		n.a.
T 5	14 19	10 8	3 11	10 51	0 25	4 47	1 49	12 12	0 3	4 22	1 17	22 28	0 40	24 4	0 27	9 13	1 42	31 6	8 9	19 48	19 47	13 15		n.a.
W 6	14 39	5 17	4 2	11 31	0 18	4 23	1 52	12 28	0 3	4 17	1 17	22 28	0 41	24 4	0 27	9 13	1 42	31 6	8 9	19 50	19 48	13 17		n.a.
T 7	14 59	0s 1	4 39	12 10	0 11	3 58	1 55	12 43	0 2	4 13	1 18	22 28	0 41	24 4	0 27	9 13	1 42	31 6	8 8	19 52	19 49	13 19		n.a.
F 8	15 18	5 27	4 58	12 49	0 4	3 33	1 57	12 59	0 2	4 9	1 18	22 28	0 41	24 4	0 27	9 13	1 42	31 5	8 8	19 54	19 49	13 21		n.a.
S 9	15 37	10 38	4 57	13 27	0s 2	3 8	2 0	13 15	0 1	4 5	1 18	22 28	0 41	24 4	0 27	9 14	1 42	31 5	8 8	19 57	19 50	13 23		n.a.
S 10	15 56	15 10	4 34	14 5	0 9	2 43	2 2	13 30	0 0	4 1	1 18	22 28	0 41	24 3	0 27	9 14	1 42	31 5	8 8	19 59	19 51	13 25		n.a.
M11	16 15	18 39	3 51	14 42	0 16	2 18	2 4	13 46	0s 0	3 57	1 18	22 29	0 41	24 3	0 27	9 14	1 42	31 5	8 8	20 2	19 52	13 27		n.a.
T 12	16 33	20 48	2 54	15 19	0 22	1 52	2 6	14 1	0 1	3 53	1 18	22 29	0 42	24 3	0 27	9 14	1 42	31 4	8 8	20 3	19 52	13 29		n.a.
W13	16 51	21 31	1 47	15 54	0 29	1 26	2 8	14 16	0 2	3 49	1 19	22 29	0 42	24 3	0 27	9 14	1 42	31 4	8 8	20 4	19 53	13 31		n.a.
T 14	17 9	20 50	0 35	16 30	0 35	1 0	2 10	14 32	0 2	3 45	1 19	22 29	0 42	24 3	0 27	9 14	1 42	31 4	8 8	20 4	19 54	13 33		n.a.
F 15	17 26	18 57	0s37	17 4	0 41	0 34	2 12	14 47	0 3	3 41	1 19	22 30	0 42	24 3	0 27	9 15	1 42	31 4	8 7	20 4	19 54	13 35		n.a.
S 16	17 43	16 7	1 44	17 38	0 47	0 7	2 13	15 1	0 4	3 37	1 19	22 30	0 42	24 3	0 27	9 15	1 42	31 3	8 7	20 4	19 55	13 37		n.a.
S 17	18 0	12 35	2 45	18 11	0 53	0s19	2 15	15 16	0 4	3 33	1 19	22 30	0 42	24 3	0 27	9 15	1 42	31 3	8 7	20 4	19 56	13 39		n.a.
M18	18 17	8 34	3 36	18 43	0 59	0 46	2 16	15 31	0 5	3 30	1 19	22 31	0 43	24 2	0 27	9 15	1 42	31 3	8 7	20 5	19 57	13 41		n.a.
T 19	18 33	4 16	4 16	19 14	1 4	1 13	2 17	15 45	0 6	3 26	1 20	22 31	0 43	24 2	0 27	9 15	1 42	31 3	8 7	20 6	19 57	13 43		n.a.
W20	18 49	0n 8	4 44	19 45	1 10	1 39	2 18	16 0	0 6	3 22	1 20	22 31	0 43	24 2	0 27	9 15	1 42	31 2	8 7	20 8	19 58	13 45		n.a.
T 21	19 4	4 30	4 59	20 14	1 15	2 6	2 19	16 14	0 7	3 19	1 20	22 32	0 43	24 2	0 27	9 15	1 42	31 2	8 7	20 11	19 59	13 47		n.a.
F 22	19 19	8 40	5 1	20 43	1 20	2 33	2 20	16 28	0 8	3 15	1 20	22 32	0 43	24 2	0 27	9 15	1 42	31 2	8 7	20 14	20 0	13 49		n.a.
S 23	19 34	12 29	4 50	21 11	1 25	3 0	2 20	16 42	0 8	3 12	1 20	22 33	0 44	24 2	0 27	9 15	1 42	31 2	8 7	20 16	20 0	13 51		n.a.
S 24	19 48	15 50	4 26	21 37	1 30	3 27	2 21	16 56	0 9	3 8	1 21	22 33	0 44	24 2	0 27	9 15	1 42	31 1	8 6	20 19	20 1	13 53		n.a.
M25	20 2	18 32	3 51	22 3	1 35	3 54	2 21	17 10	0 10	3 5	1 21	22 34	0 44	24 1	0 27	9 15	1 41	31 1	8 6	20 22	20 2	13 55		n.a.
T 26	20 16	20 27	3 5	22 27	1 39	4 22	2 21	17 23	0 10	3 1	1 21	22 34	0 44	24 1	0 27	9 15	1 41	31 1	8 6	20 24	20 2	13 57		n.a.
W27	20 29	21 29	2 11	22 50	1 43	4 49	2 22	17 37	0 11	2 58	1 21	22 34	0 44	24 1	0 27	9 15	1 41	31 1	8 6	20 25	20 3	13 59		n.a.
T 28	20 42	21 32	1 10	23 12	1 47	5 16	2 22	17 50	0 12	2 55	1 21	22 35	0 44	24 1	0 27	9 15	1 41	31 1	8 6	20 26	20 4	14 1		n.a.
F 29	20 54	20 33	0 5	23 33	1 50	5 43	2 22	18 3	0 12	2 51	1 22	22 36	0 45	24 1	0 27	9 15	1 41	31 0	8 6	20 26	20 5	14 3		n.a.
S 30	21s 6	18n34	1n 1	23s52	1s53	6s10	2n22	18s16	0s13	2n48	1n22	22n36	0n45	24s 1	0s27	9s15	1s41	31s 0	8s 6	20n26	20n 5	14n 5		n.a.

Julian Day Number = 1561017.5, Delta T = 04h24m11s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'15, Lahiri = -10°01'14 Julian Calendar 1 Nov. 440 BCE == Greg. Calendar 27 Oct. 440 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 440 BCE
geocentric

DECEMBER 440 BCE (-439) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 17 13	4♐25'05	24♌ 7	10♐ 9	22♎20	21♏ 5	26♍17	22°R19	6♉56	10♓36	14♉28	29♋56	1♌25	22♉57	n.a.	S 1
M 2	4 21 10	5°26'21	7♍13	11°47	23°31	21°50	26°25	22♋16	6°59	10°36	14°29	29°R57	1°22	23° 4	n.a.	M 2
T 3	4 25 7	6°27'38	20°44	13°25	24°42	22°35	26°33	22°14	7° 2	10°36	14°31	29°56	1°19	23°11	n.a.	T 3
W 4	4 29 3	7°28'54	4♎42	15° 4	25°54	23°20	26°41	22°11	7° 5	10°37	14°32	29°52	1°16	23°17	n.a.	W 4
T 5	4 33 0	8°30'10	19° 7	16°43	27° 5	24° 5	26°48	22° 8	7° 9	10°37	14°34	29°47	1°13	23°24	n.a.	T 5
F 6	4 36 56	9°31'27	3♏57	18°22	28°17	24°51	26°56	22° 5	7°12	10°37	14°35	29°40	1° 9	23°31	n.a.	F 6
S 7	4 40 53	10°32'43	19° 5	20° 1	29°29	25°36	27° 4	22° 3	7°15	10°38	14°37	29°32	1° 6	23°38	n.a.	S 7
S 8	4 44 49	11°33'59	4♐21	21°41	0♏40	26°21	27°11	21°59	7°18	10°38	14°38	29°24	1° 3	23°44	n.a.	S 8
M 9	4 48 46	12°35'15	19°34	23°20	1°52	27° 7	27°18	21°56	7°21	10°38	14°40	29°18	1° 0	23°51	n.a.	M 9
T 10	4 52 42	13°36'30	4♑35	25° 0	3° 4	27°52	27°25	21°53	7°25	10°39	14°41	29°13	0°57	23°58	n.a.	T 10
W11	4 56 39	14°37'45	19°14	26°39	4°16	28°38	27°32	21°50	7°28	10°39	14°43	29°11	0°54	24° 4	n.a.	W11
T 12	5 0 36	15°38'59	3♒26	28°18	5°28	29°23	27°39	21°47	7°31	10°40	14°45	29°D10	0°50	24°11	n.a.	T 12
F 13	5 4 32	16°40'12	17°10	29°57	6°41	0♐ 9	27°46	21°43	7°35	10°40	14°46	29°11	0°47	24°18	n.a.	F 13
S 14	5 8 29	17°41'25	0♓25	1♑35	7°53	0°54	27°52	21°40	7°38	10°41	14°48	29°13	0°44	24°25	n.a.	S 14
S 15	5 12 25	18°42'36	13°17	3°12	9° 5	1°40	27°58	21°36	7°41	10°41	14°50	29°R14	0°41	24°31	n.a.	S 15
M16	5 16 22	19°43'46	25°47	4°48	10°17	2°25	28° 5	21°32	7°45	10°42	14°51	29°14	0°38	24°38	n.a.	M16
T 17	5 20 18	20°44'55	8♈ 2	6°23	11°30	3°11	28°11	21°28	7°48	10°43	14°53	29°12	0°34	24°45	n.a.	T 17
W18	5 24 15	21°46'03	20° 4	7°56	12°42	3°57	28°17	21°25	7°51	10°43	14°54	29° 9	0°31	24°51	n.a.	W18
T 19	5 28 11	22°47'11	2♉ 0	9°28	13°55	4°42	28°22	21°21	7°55	10°44	14°56	29° 4	0°28	24°58	n.a.	T 19
F 20	5 32 8	23°48'17	13°52	10°56	15° 7	5°28	28°28	21°17	7°58	10°45	14°58	28°57	0°25	25° 5	n.a.	F 20
S 21	5 36 5	24°49'22	25°43	12°22	16°20	6°14	28°33	21°13	8° 2	10°46	15° 0	28°51	0°22	25°12	n.a.	S 21
S 22	5 40 1	25°50'26	7♊35	13°44	17°33	7° 0	28°39	21° 9	8° 5	10°47	15° 1	28°44	0°19	25°18	n.a.	S 22
M23	5 43 58	26°51'29	19°32	15° 2	18°45	7°46	28°44	21° 4	8° 9	10°48	15° 3	28°39	0°15	25°25	n.a.	M23
T 24	5 47 54	27°52'32	1♋34	16°15	19°58	8°32	28°49	21° 0	8°12	10°48	15° 5	28°34	0°12	25°32	n.a.	T 24
W25	5 51 51	28°53'33	13°43	17°22	21°11	9°17	28°53	20°56	8°16	10°49	15° 6	28°32	0° 9	25°38	n.a.	W25
T 26	5 55 47	29°54'33	26° 0	18°23	22°24	10° 3	28°58	20°52	8°19	10°50	15° 8	28°D31	0° 6	25°45	n.a.	T 26
F 27	5 59 44	0♑55'32	8♌27	19°17	23°36	10°49	29° 2	20°47	8°22	10°51	15°10	28°31	0° 3	25°52	n.a.	F 27
S 28	6 3 41	1°56'31	21° 7	20° 2	24°49	11°35	29° 7	20°43	8°26	10°52	15°12	28°32	29♋59	25°59	n.a.	S 28
S 29	6 7 37	2°57'28	4♍ 0	20°39	26° 2	12°21	29°11	20°38	8°29	10°54	15°13	28°34	29°56	26° 5	n.a.	S 29
M30	6 11 34	3°58'24	17°10	21° 6	27°15	13° 8	29°15	20°34	8°33	10°55	15°15	28°36	29°53	26°12	n.a.	M30
T 31	6 15 30	4♑59'20	0♎39	21♑22	28♏28	13♐54	29♍18	20♋29	8♑36	10♓56	15♑17	28°R36	29♋50	26♉19	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	21s18	15n38	2n 6	24s10	1s56	6s37	2n21	18s29	0s14	2n45	1n22	22n37	0n45	24s 0	0s27	9s15	1s41	31s 0	8s 6	20n25	20n 6	14n 7			n.a.
M 2	21 29	11 51	3 6	24 27	1 59	7 4	2 21	18 41	0 14	2 42	1 22	22 37	0 45	24 0	0 27	9 14	1 41	31 0	8 6	20 25	20 7	14 9			n.a.
T 3	21 40	7 22	3 58	24 42	2 1	7 31	2 20	18 54	0 15	2 39	1 22	22 38	0 45	24 0	0 27	9 14	1 41	30 59	8 6	20 26	20 7	14 11			n.a.
W 4	21 50	2 21	4 38	24 56	2 3	7 58	2 20	19 6	0 16	2 36	1 23	22 38	0 45	24 0	0 27	9 14	1 41	30 59	8 6	20 26	20 8	14 13			n.a.
T 5	22 0	2s56	5 2	25 8	2 4	8 24	2 19	19 18	0 16	2 33	1 23	22 39	0 46	24 0	0 27	9 14	1 41	30 59	8 6	20 27	20 9	14 15			n.a.
F 6	22 10	8 12	5 6	25 19	2 5	8 51	2 19	19 30	0 17	2 30	1 23	22 40	0 46	24 0	0 27	9 14	1 41	30 59	8 6	20 29	20 9	14 17			n.a.
S 7	22 19	13 5	4 49	25 27	2 6	9 17	2 18	19 41	0 18	2 27	1 23	22 40	0 46	23 59	0 27	9 14	1 41	30 58	8 5	20 31	20 10	14 19			n.a.
S 8	22 28	17 9	4 12	25 35	2 6	9 43	2 17	19 53	0 18	2 25	1 24	22 41	0 46	23 59	0 27	9 14	1 41	30 58	8 5	20 32	20 11	14 21			n.a.
M 9	22 36	20 3	3 17	25 40	2 5	10 9	2 16	20 4	0 19	2 22	1 24	22 42	0 46	23 59	0 27	9 13	1 41	30 58	8 5	20 34	20 12	14 23			n.a.
T 10	22 44	21 31	2 9	25 44	2 5	10 35	2 14	20 15	0 20	2 19	1 24	22 42	0 46	23 59	0 27	9 13	1 41	30 58	8 5	20 35	20 12	14 25			n.a.
W11	22 51	21 28	0 54	25 45	2 3	11 1	2 13	20 26	0 20	2 17	1 24	22 43	0 46	23 59	0 27	9 13	1 41	30 57	8 5	20 35	20 13	14 27			n.a.
T 12	22 58	20 1	0s23	25 45	2 1	11 27	2 12	20 37	0 21	2 14	1 24	22 44	0 47	23 58	0 27	9 13	1 41	30 57	8 5	20 35	20 14	14 29			n.a.
F 13	23 4	17 25	1 36	25 43	1 58	11 52	2 11	20 48	0 22	2 12	1 25	22 44	0 47	23 58	0 27	9 12	1 41	30 57	8 5	20 35	20 14	14 31			n.a.
S 14	23 10	13 58	2 41	25 39	1 55	12 17	2 9	20 58	0 22	2 9	1 25	22 45	0 47	23 58	0 27	9 12	1 40	30 57	8 5	20 35	20 15	14 33			n.a.
S 15	23 16	9 58	3 36	25 33	1 51	12 42	2 8	21 8	0 23	2 7	1 25	22 46	0 47	23 58	0 27	9 12	1 40	30 56	8 5	20 34	20 16	14 35			n.a.
M16	23 21	5 39	4 20	25 26	1 46	13 6	2 6	21 18	0 24	2 5	1 25	22 47	0 47	23 58	0 27	9 12	1 40	30 56	8 5	20 34	20 16	14 37			n.a.
T 17	23 25	1 12	4 50	25 16	1 41	13 31	2 4	21 28	0 24	2 2	1 26	22 47	0 47	23 57	0 27	9 11	1 40	30 56	8 5	20 35	20 17	14 39			n.a.
W18	23 29	3n13	5 7	25 4	1 34	13 55	2 2	21 37	0 25	2 0	1 26	22 48	0 48	23 57	0 27	9 11	1 40	30 56	8 5	20 36	20 18	14 41			n.a.
T 19	23 33	7 28	5 10	24 51	1 27	14 18	2 0	21 46	0 26	1 58	1 26	22 49	0 48	23 57	0 27	9 11	1 40	30 56	8 5	20 37	20 19	14 42			n.a.
F 20	23 36	11 26	5 0	24 36	1 19	14 42	1 59	21 55	0 26	1 56	1 26	22 50	0 48	23 57	0 27	9 10	1 40	30 55	8 5	20 38	20 19	14 44			n.a.
S 21	23 39	14 56	4 37	24 19	1 10	15 5	1 57	22 4	0 27	1 54	1 27	22 50	0 48	23 57	0 27	9 10	1 40	30 55	8 5	20 39	20 20	14 46			n.a.
S 22	23 41	17 52	4 3	24 1	1 0	15 27	1 54	22 13	0 28	1 52	1 27	22 51	0 48	23 56	0 27	9 10	1 40	30 55	8 5	20 41	20 21	14 48			n.a.
M23	23 43	20 3	3 17	23 41	0 49	15 50	1 52	22 21	0 28	1 51	1 27	22 52	0 48	23 56	0 27	9 9	1 40	30 55	8 5	20 42	20 21	14 50			n.a.
T 24	23 44	21 22	2 22	23 21	0 37	16 11	1 50	22 29	0 29	1 49	1 27	22 53	0 48	23 56	0 27	9 9	1 40	30 54	8 5	20 43	20 22	14 52			n.a.
W25	23 45	21 42	1 20	22 59	0 24	16 33	1 48	22 37	0 30	1 47	1 28	22 54	0 49	23 56	0 27	9 8	1 40	30 54	8 5	20 43	20 23	14 54			n.a.
T 26	23 45	21 0	0 14	22 37	0 10	16 54	1 46	22 45	0 30	1 46	1 28	22 54	0 49	23 56	0 27	9 8	1 40	30 54	8 5	20 43	20 23	14 56			n.a.
F 27	23 45	19 15	0n54	22 15	0n 5	17 15	1 43	22 52	0 31	1 44	1 28	22 55	0 49	23 55	0 27	9 7	1 40	30 54	8 5	20 43	20 24	14 58			n.a.
S 28	23 44	16 33	2 1	21 53	0 21	17 35	1 41	22 59	0 32	1 42	1 29	22 56	0 49	23 55	0 27	9 7	1 40	30 54	8 5	20 43	20 25	15 0			n.a.
S 29	23 43	13 0	3 3	21 31	0 38	17 55	1 38	23 6	0 32	1 41	1 29	22 57	0 49	23 55	0 27	9 7	1 40	30 53	8 5	20 43	20 25	15 2			n.a.
M30	23 41	8 45	3 56	21 10	0 55	18 15	1 36	23 13	0 33	1 40	1 29	22 58	0 49	23 55	0 27	9 6	1 40	30 53	8 5	20 42	20 26	15 4			n.a.
T 31	23s39	3n59	4n38	20s50	1n13	18s34	1n33	23s19	0s34	1n38	1n29	22n59	0n49	23s54	0s27	9s 6	1s40	30s53	8s 5	20n42	20n27	15n 6			n.a.

Julian Day Number = 1561047.5, Delta T = 04h24m10s
Ecliptic obliquity = 23°44'49, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'11, Lahiri = -10°01'10 Julian Calendar 1 Dec. 440 BCE == Greg. Calendar 26 Nov. 440 BCE

The year -439 astronomical counting style corresponds to year 440 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

JANUARY 439 BCE (-438) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 19 27	6♑ 0'14	14♎28	21°R28	29♏41	14♐40	29♍22	20°R25	8♑40	10♓57	15♑19	28°R36	29♋47	26♉25	n.a.	W 1
T 2	6 23 23	7° 1'07	28°38	21♑23	0♐54	15°26	29°25	20♋20	8°43	10°58	15°20	28♋35	29°44	26°32	n.a.	T 2
F 3	6 27 20	8° 2'00	13♏ 7	21° 6	2° 8	16°12	29°29	20°15	8°47	10°59	15°22	28°33	29°40	26°39	n.a.	F 3
S 4	6 31 16	9° 2'51	27°51	20°39	3°21	16°58	29°32	20°11	8°50	11° 1	15°24	28°30	29°37	26°46	n.a.	S 4
S 5	6 35 13	10° 3'42	12♐45	20° 2	4°34	17°45	29°35	20° 6	8°54	11° 2	15°26	28°28	29°34	26°52	n.a.	S 5
M 6	6 39 10	11° 4'31	27°39	19°15	5°47	18°31	29°37	20° 1	8°57	11° 3	15°28	28°26	29°31	26°59	n.a.	M 6
T 7	6 43 6	12° 5'19	12♑27	18°20	7° 0	19°17	29°40	19°56	9° 1	11° 5	15°29	28°24	29°28	27° 6	n.a.	T 7
W 8	6 47 3	13° 6'05	27° 1	17°18	8°14	20° 3	29°42	19°52	9° 4	11° 6	15°31	28°D24	29°25	27°12	n.a.	W 8
T 9	6 50 59	14° 6'50	11♒14	16°12	9°27	20°50	29°44	19°47	9° 8	11° 7	15°33	28°24	29°21	27°19	n.a.	T 9
F 10	6 54 56	15° 7'33	25° 3	15° 2	10°40	21°36	29°46	19°42	9°11	11° 9	15°35	28°25	29°18	27°26	n.a.	F 10
S 11	6 58 52	16° 8'14	8♓26	13°52	11°53	22°23	29°48	19°37	9°15	11°10	15°37	28°26	29°15	27°33	n.a.	S 11
S 12	7 2 49	17° 8'53	21°25	12°42	13° 7	23° 9	29°49	19°32	9°18	11°12	15°38	28°27	29°12	27°39	n.a.	S 12
M13	7 6 45	18° 9'31	4♈ 2	11°35	14°20	23°55	29°51	19°27	9°22	11°13	15°40	28°28	29° 9	27°46	n.a.	M13
T 14	7 10 42	19°10'06	16°20	10°33	15°33	24°42	29°52	19°23	9°25	11°15	15°42	28°R28	29° 6	27°53	n.a.	T 14
W15	7 14 39	20°10'40	28°26	9°35	16°47	25°28	29°53	19°18	9°29	11°16	15°44	28°28	29° 2	27°59	n.a.	W15
T 16	7 18 35	21°11'11	10♉21	8°44	18° 0	26°15	29°54	19°13	9°32	11°18	15°45	28°28	28°59	28° 6	n.a.	T 16
F 17	7 22 32	22°11'41	22°13	7°59	19°13	27° 1	29°54	19° 8	9°36	11°19	15°47	28°27	28°56	28°13	n.a.	F 17
S 18	7 26 28	23°12'09	4♊ 4	7°22	20°27	27°48	29°55	19° 3	9°39	11°21	15°49	28°26	28°53	28°19	n.a.	S 18
S 19	7 30 25	24°12'35	15°58	6°53	21°40	28°34	29°55	18°58	9°43	11°23	15°51	28°25	28°50	28°26	n.a.	S 19
M20	7 34 21	25°12'59	28° 0	6°31	22°54	29°21	29°R55	18°54	9°46	11°24	15°53	28°25	28°46	28°33	n.a.	M20
T 21	7 38 18	26°13'21	10♋10	6°16	24° 7	0♑ 7	29°55	18°49	9°49	11°26	15°54	28°25	28°43	28°40	n.a.	T 21
W22	7 42 14	27°13'41	22°32	6° 9	25°21	0°54	29°55	18°44	9°53	11°28	15°56	28°25	28°40	28°46	n.a.	W22
T 23	7 46 11	28°13'59	5♌ 6	6°D 9	26°34	1°40	29°54	18°39	9°56	11°30	15°58	28°25	28°37	28°53	n.a.	T 23
F 24	7 50 8	29°14'16	17°53	6°15	27°47	2°27	29°53	18°35	10° 0	11°31	16° 0	28°25	28°34	29° 0	n.a.	F 24
S 25	7 54 4	0♒14'30	0♍53	6°28	29° 1	3°14	29°53	18°30	10° 3	11°33	16° 1	28°24	28°31	29° 6	n.a.	S 25
S 26	7 58 1	1°14'43	14° 7	6°46	0♑14	4° 0	29°51	18°25	10° 6	11°35	16° 3	28°24	28°27	29°13	n.a.	S 26
M27	8 1 57	2°14'54	27°35	7°10	1°28	4°47	29°50	18°21	10°10	11°37	16° 5	28°24	28°24	29°20	n.a.	M27
T 28	8 5 54	3°15'03	11♎15	7°38	2°41	5°33	29°49	18°16	10°13	11°39	16° 7	28°23	28°21	29°27	n.a.	T 28
W29	8 9 50	4°15'11	25° 8	8°12	3°55	6°20	29°47	18°11	10°16	11°40	16° 8	28°23	28°18	29°33	n.a.	W29
T 30	8 13 47	5°15'17	9♏12	8°50	5° 8	7° 7	29°45	18° 7	10°19	11°42	16°10	28°D23	28°15	29°40	n.a.	T 30
F 31	8 17 43	6♒15'22	23♏26	9♑32	6♑22	7♑54	29♍43	18♋ 2	10♑23	11♓44	16♑12	28♋23	28♋12	29♉47	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s37	1s 5	5n 6	20s31	1n31	18s52	1n31	23s25	0s34	1n37	1n30	22n59	0n50	23s54	0s27	9s 5	1s40	30s53	8s 5	20n42	20n27	15n 8		n.a.
T 2	23 33	6 13	5 15	20 14	1 49	19 10	1 28	23 31	0 35	1 36	1 30	23 0	0 50	23 54	0 27	9 5	1 40	30 53	8 5	20 43	20 28	15 10		n.a.
F 3	23 30	11 8	5 5	19 59	2 7	19 28	1 25	23 37	0 36	1 35	1 30	23 1	0 50	23 54	0 27	9 4	1 40	30 52	8 5	20 43	20 29	15 12		n.a.
S 4	23 26	15 28	4 35	19 46	2 24	19 45	1 23	23 42	0 36	1 34	1 30	23 2	0 50	23 54	0 27	9 4	1 39	30 52	8 5	20 43	20 29	15 14		n.a.
S 5	23 22	18 53	3 46	19 35	2 40	20 1	1 20	23 47	0 37	1 33	1 31	23 3	0 50	23 53	0 27	9 3	1 39	30 52	8 5	20 44	20 30	15 15		n.a.
M 6	23 17	21 2	2 42	19 27	2 56	20 17	1 17	23 52	0 38	1 32	1 31	23 4	0 50	23 53	0 27	9 3	1 39	30 52	8 5	20 44	20 31	15 17		n.a.
T 7	23 11	21 43	1 27	19 21	3 9	20 32	1 14	23 57	0 38	1 32	1 31	23 4	0 50	23 53	0 27	9 2	1 39	30 52	8 5	20 45	20 32	15 19		n.a.
W 8	23 6	20 54	0 8	19 17	3 21	20 47	1 11	24 1	0 39	1 31	1 31	23 5	0 50	23 53	0 27	9 1	1 39	30 52	8 5	20 45	20 32	15 21		n.a.
T 9	22 59	18 45	1s10	19 16	3 31	21 2	1 8	24 5	0 39	1 30	1 32	23 6	0 50	23 52	0 27	9 1	1 39	30 51	8 5	20 45	20 33	15 23		n.a.
F 10	22 53	15 34	2 22	19 16	3 39	21 15	1 6	24 9	0 40	1 30	1 32	23 7	0 51	23 52	0 27	9 0	1 39	30 51	8 5	20 45	20 34	15 25		n.a.
S 11	22 45	11 39	3 24	19 18	3 44	21 28	1 3	24 12	0 41	1 29	1 32	23 8	0 51	23 52	0 27	9 0	1 39	30 51	8 5	20 44	20 34	15 27		n.a.
S 12	22 38	7 19	4 13	19 22	3 47	21 41	1 0	24 15	0 41	1 29	1 33	23 8	0 51	23 52	0 27	8 59	1 39	30 51	8 6	20 44	20 35	15 29		n.a.
M13	22 30	2 47	4 49	19 28	3 47	21 53	0 57	24 18	0 42	1 29	1 33	23 9	0 51	23 51	0 27	8 58	1 39	30 51	8 6	20 44	20 36	15 31		n.a.
T 14	22 21	1n45	5 10	19 34	3 46	22 4	0 54	24 21	0 43	1 28	1 33	23 10	0 51	23 51	0 27	8 58	1 39	30 51	8 6	20 44	20 36	15 33		n.a.
W15	22 13	6 7	5 17	19 42	3 42	22 14	0 51	24 23	0 43	1 28	1 33	23 11	0 51	23 51	0 27	8 57	1 39	30 50	8 6	20 44	20 37	15 35		n.a.
T 16	22 3	10 12	5 10	19 51	3 37	22 24	0 48	24 25	0 44	1 28	1 34	23 12	0 51	23 51	0 27	8 57	1 39	30 50	8 6	20 44	20 38	15 36		n.a.
F 17	21 54	13 53	4 50	20 1	3 30	22 34	0 45	24 27	0 45	1 28	1 34	23 12	0 51	23 50	0 27	8 56	1 39	30 50	8 6	20 44	20 38	15 38		n.a.
S 18	21 43	17 0	4 18	20 11	3 21	22 42	0 42	24 29	0 45	1 28	1 34	23 13	0 51	23 50	0 27	8 55	1 39	30 50	8 6	20 44	20 39	15 40		n.a.
S 19	21 33	19 27	3 34	20 22	3 12	22 50	0 39	24 30	0 46	1 28	1 34	23 14	0 52	23 50	0 27	8 55	1 39	30 50	8 6	20 44	20 40	15 42		n.a.
M20	21 22	21 3	2 41	20 34	3 2	22 58	0 36	24 31	0 46	1 29	1 35	23 15	0 52	23 50	0 27	8 54	1 39	30 50	8 6	20 45	20 40	15 44		n.a.
T 21	21 11	21 42	1 40	20 45	2 51	23 4	0 33	24 32	0 47	1 29	1 35	23 16	0 52	23 49	0 27	8 53	1 39	30 50	8 6	20 45	20 41	15 46		n.a.
W22	20 59	21 18	0 33	20 57	2 39	23 10	0 29	24 32	0 48	1 29	1 35	23 16	0 52	23 49	0 27	8 52	1 39	30 50	8 6	20 45	20 41	15 48		n.a.
T 23	20 47	19 50	0n37	21 9	2 27	23 16	0 26	24 32	0 48	1 30	1 36	23 17	0 52	23 49	0 27	8 52	1 39	30 49	8 6	20 45	20 42	15 50		n.a.
F 24	20 34	17 21	1 46	21 21	2 15	23 20	0 23	24 32	0 49	1 30	1 36	23 18	0 52	23 49	0 27	8 51	1 39	30 49	8 7	20 45	20 43	15 52		n.a.
S 25	20 22	13 57	2 51	21 33	2 3	23 24	0 20	24 32	0 49	1 31	1 36	23 19	0 52	23 48	0 27	8 50	1 39	30 49	8 7	20 45	20 43	15 53		n.a.
S 26	20 8	9 49	3 47	21 44	1 50	23 27	0 17	24 31	0 50	1 32	1 36	23 19	0 52	23 48	0 27	8 50	1 39	30 49	8 7	20 45	20 44	15 55		n.a.
M27	19 55	5 8	4 33	21 55	1 38	23 30	0 14	24 30	0 51	1 32	1 37	23 20	0 52	23 48	0 27	8 49	1 39	30 49	8 7	20 45	20 45	15 57		n.a.
T 28	19 41	0 8	5 3	22 6	1 26	23 32	0 11	24 29	0 51	1 33	1 37	23 21	0 52	23 48	0 27	8 48	1 39	30 49	8 7	20 45	20 45	15 59		n.a.
W29	19 27	4s56	5 17	22 16	1 14	23 33	0 8	24 27	0 52	1 34	1 37	23 21	0 52	23 48	0 27	8 47	1 39	30 49	8 7	20 45	20 46	16 1		n.a.
T 30	19 12	9 49	5 12	22 25	1 2	23 33	0 6	24 26	0 52	1 35	1 37	23 22	0 52	23 47	0 27	8 47	1 39	30 49	8 7	20 45	20 47	16 3		n.a.
F 31	18s57	14s14	4n47	22s34	0n50	23s33	0n 3	24s23	0s53	1n36	1n38	23n23	0n53	23s47	0s27	8s46	1s39	30s49	8s 7	20n45	20n47	16n 5		n.a.

Julian Day Number = 1561078.5, Delta T = 04h24m09s
Ecliptic obliquity = 23°44'49, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'07, Lahiri = -10°01'06 Julian Calendar 1 Jan. 439 BCE == Greg. Calendar 27 Dec. 440 BCE

The year -438 astronomical counting style corresponds to year 439 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

FEBRUARY 439 BCE (-438) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 21 40	7♒15'24	7♐47	10♑17	7♑36	8♑40	29°R41	17°R58	10♑26	11♓46	16♑13	28♋24	28♋ 8	29♉53	n.a.	S 1
S 2	8 25 37	8°15'25	22°13	11° 7	8°49	9°27	29♍39	17♋53	10°29	11°48	16°15	28°25	28° 5	0♊ 0	n.a.	S 2
M 3	8 29 33	9°15'25	6♑39	11°59	10° 3	10°14	29°36	17°49	10°32	11°50	16°17	28°26	28° 2	0° 7	n.a.	M 3
T 4	8 33 30	10°15'22	21° 1	12°55	11°16	11° 0	29°33	17°45	10°35	11°52	16°18	28°26	27°59	0°13	n.a.	T 4
W 5	8 37 26	11°15'18	5♒13	13°53	12°30	11°47	29°30	17°41	10°39	11°54	16°20	28°R26	27°56	0°20	n.a.	W 5
T 6	8 41 23	12°15'11	19°11	14°54	13°43	12°34	29°27	17°36	10°42	11°56	16°22	28°25	27°52	0°27	n.a.	T 6
F 7	8 45 19	13°15'02	2♓52	15°58	14°57	13°21	29°24	17°32	10°45	11°58	16°23	28°24	27°49	0°34	n.a.	F 7
S 8	8 49 16	14°14'51	16°12	17° 4	16°10	14° 7	29°21	17°28	10°48	12° 0	16°25	28°22	27°46	0°40	n.a.	S 8
S 9	8 53 12	15°14'38	29°12	18°12	17°24	14°54	29°17	17°24	10°51	12° 2	16°27	28°19	27°43	0°47	n.a.	S 9
M10	8 57 9	16°14'22	11♈52	19°23	18°38	15°41	29°13	17°20	10°54	12° 4	16°28	28°17	27°40	0°54	n.a.	M10
T 11	9 1 5	17°14'05	24°14	20°35	19°51	16°27	29° 9	17°16	10°57	12° 6	16°30	28°15	27°37	1° 0	n.a.	T 11
W12	9 5 2	18°13'44	6♉21	21°49	21° 5	17°14	29° 5	17°12	11° 0	12° 9	16°31	28°13	27°33	1° 7	n.a.	W12
T 13	9 8 59	19°13'22	18°19	23° 6	22°18	18° 1	29° 1	17° 9	11° 3	12°11	16°33	28°D13	27°30	1°14	n.a.	T 13
F 14	9 12 55	20°12'57	0♊11	24°23	23°32	18°48	28°56	17° 5	11° 6	12°13	16°35	28°13	27°27	1°20	n.a.	F 14
S 15	9 16 52	21°12'29	12° 2	25°43	24°45	19°34	28°52	17° 1	11° 9	12°15	16°36	28°14	27°24	1°27	n.a.	S 15
S 16	9 20 48	22°12'00	23°58	27° 4	25°59	20°21	28°47	16°58	11°11	12°17	16°38	28°16	27°21	1°34	n.a.	S 16
M17	9 24 45	23°11'27	6♋ 2	28°27	27°13	21° 8	28°42	16°54	11°14	12°19	16°39	28°18	27°18	1°41	n.a.	M17
T 18	9 28 41	24°10'53	18°19	29°52	28°26	21°54	28°37	16°51	11°17	12°21	16°41	28°19	27°14	1°47	n.a.	T 18
W19	9 32 38	25°10'16	0♌51	1♒18	29°40	22°41	28°32	16°48	11°20	12°24	16°42	28°R19	27°11	1°54	n.a.	W19
T 20	9 36 34	26° 9'37	13°41	2°45	0♒53	23°28	28°26	16°45	11°23	12°26	16°44	28°18	27° 8	2° 1	n.a.	T 20
F 21	9 40 31	27° 8'56	26°49	4°14	2° 7	24°15	28°21	16°42	11°25	12°28	16°45	28°16	27° 5	2° 7	n.a.	F 21
S 22	9 44 28	28° 8'12	10♍14	5°45	3°20	25° 1	28°15	16°39	11°28	12°30	16°46	28°12	27° 2	2°14	n.a.	S 22
S 23	9 48 24	29° 7'27	23°55	7°16	4°34	25°48	28° 9	16°36	11°31	12°32	16°48	28° 8	26°58	2°21	n.a.	S 23
M24	9 52 21	0♓ 6'39	7♎49	8°50	5°48	26°35	28° 4	16°33	11°33	12°35	16°49	28° 3	26°55	2°27	n.a.	M24
T 25	9 56 17	1° 5'49	21°52	10°24	7° 1	27°21	27°58	16°30	11°36	12°37	16°51	27°58	26°52	2°34	n.a.	T 25
W26	10 0 14	2° 4'57	6♏ 1	12° 0	8°15	28° 8	27°51	16°27	11°38	12°39	16°52	27°55	26°49	2°41	n.a.	W26
T 27	10 4 10	3° 4'04	20°13	13°38	9°28	28°55	27°45	16°25	11°41	12°41	16°53	27°52	26°46	2°48	n.a.	T 27
F 28	10 8 7	4♓ 3'09	4♐24	15♒17	10♒42	29♑41	27♍39	16♋22	11♑43	12♓43	16♑55	27°D52	26♋43	2♊54	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s42	17s51	4n 5	22s42	0n39	23s32	0s 0	24s21	0s54	1n37	1n38	23n24	0n53	23s47	0s27	8s45	1s38	30s48	8s 8	20n45	20n48	16n 7		n.a.
S 2	18 26	20 24	3 8	22 49	0 28	23 30	0 3	24 18	0 54	1 38	1 38	23 24	0 53	23 47	0 27	8 44	1 38	30 48	8 8	20 45	20 49	16 8		n.a.
M 3	18 10	21 37	1 58	22 55	0 17	23 28	0 6	24 15	0 55	1 40	1 38	23 25	0 53	23 46	0 27	8 44	1 38	30 48	8 8	20 44	20 49	16 10		n.a.
T 4	17 54	21 24	0 41	23 1	0 6	23 25	0 9	24 12	0 55	1 41	1 39	23 25	0 53	23 46	0 27	8 43	1 38	30 48	8 8	20 44	20 50	16 12		n.a.
W 5	17 37	19 49	0s37	23 5	0s 4	23 21	0 12	24 9	0 56	1 42	1 39	23 26	0 53	23 46	0 27	8 42	1 38	30 48	8 8	20 44	20 51	16 14		n.a.
T 6	17 21	17 2	1 52	23 8	0 14	23 16	0 15	24 5	0 56	1 44	1 39	23 27	0 53	23 46	0 27	8 41	1 38	30 48	8 8	20 45	20 51	16 16		n.a.
F 7	17 3	13 22	2 59	23 10	0 24	23 11	0 17	24 1	0 57	1 45	1 39	23 27	0 53	23 45	0 27	8 40	1 38	30 48	8 8	20 45	20 52	16 18		n.a.
S 8	16 46	9 6	3 54	23 11	0 33	23 5	0 20	23 56	0 58	1 47	1 40	23 28	0 53	23 45	0 27	8 40	1 38	30 48	8 9	20 45	20 52	16 19		n.a.
S 9	16 28	4 32	4 36	23 11	0 42	22 58	0 23	23 52	0 58	1 49	1 40	23 29	0 53	23 45	0 27	8 39	1 38	30 48	8 9	20 46	20 53	16 21		n.a.
M10	16 10	0n 7	5 3	23 9	0 50	22 51	0 25	23 47	0 59	1 50	1 40	23 29	0 53	23 45	0 27	8 38	1 38	30 48	8 9	20 46	20 54	16 23		n.a.
T 11	15 52	4 38	5 15	23 6	0 58	22 43	0 28	23 42	0 59	1 52	1 40	23 30	0 53	23 44	0 27	8 37	1 38	30 48	8 9	20 47	20 54	16 25		n.a.
W12	15 34	8 54	5 12	23 2	1 6	22 34	0 31	23 36	1 0	1 54	1 41	23 30	0 53	23 44	0 27	8 36	1 38	30 48	8 9	20 47	20 55	16 27		n.a.
T 13	15 15	12 45	4 56	22 57	1 13	22 25	0 33	23 31	1 0	1 56	1 41	23 31	0 53	23 44	0 27	8 35	1 38	30 48	8 9	20 47	20 56	16 29		n.a.
F 14	14 56	16 5	4 28	22 50	1 20	22 15	0 36	23 25	1 1	1 58	1 41	23 31	0 53	23 44	0 27	8 35	1 38	30 48	8 10	20 47	20 56	16 30		n.a.
S 15	14 37	18 46	3 48	22 42	1 27	22 4	0 38	23 19	1 1	2 0	1 41	23 32	0 53	23 44	0 27	8 34	1 38	30 48	8 10	20 47	20 57	16 32		n.a.
S 16	14 17	20 39	2 58	22 32	1 33	21 53	0 40	23 12	1 2	2 2	1 41	23 32	0 53	23 43	0 27	8 33	1 38	30 48	8 10	20 46	20 58	16 34		n.a.
M17	13 58	21 37	2 0	22 21	1 39	21 41	0 43	23 5	1 2	2 4	1 42	23 33	0 53	23 43	0 27	8 32	1 38	30 48	8 10	20 46	20 58	16 36		n.a.
T 18	13 38	21 34	0 55	22 8	1 44	21 29	0 45	22 58	1 3	2 7	1 42	23 33	0 53	23 43	0 27	8 31	1 38	30 48	8 10	20 46	20 59	16 38		n.a.
W19	13 18	20 27	0n14	21 54	1 49	21 15	0 47	22 51	1 3	2 9	1 42	23 34	0 53	23 43	0 27	8 30	1 38	30 48	8 11	20 46	20 59	16 40		n.a.
T 20	12 58	18 16	1 23	21 38	1 54	21 1	0 50	22 44	1 4	2 11	1 42	23 34	0 54	23 42	0 27	8 29	1 38	30 48	8 11	20 46	21 0	16 41		n.a.
F 21	12 37	15 5	2 30	21 21	1 58	20 47	0 52	22 36	1 4	2 14	1 42	23 34	0 54	23 42	0 27	8 29	1 38	30 48	8 11	20 46	21 1	16 43		n.a.
S 22	12 16	11 3	3 30	21 2	2 1	20 32	0 54	22 28	1 5	2 16	1 42	23 35	0 54	23 42	0 27	8 28	1 38	30 48	8 11	20 47	21 1	16 45		n.a.
S 23	11 56	6 23	4 18	20 42	2 5	20 16	0 56	22 19	1 5	2 18	1 43	23 35	0 54	23 42	0 27	8 27	1 38	30 48	8 11	20 48	21 2	16 47		n.a.
M24	11 35	1 20	4 53	20 20	2 8	20 0	0 58	22 11	1 6	2 21	1 43	23 36	0 54	23 42	0 27	8 26	1 38	30 48	8 12	20 49	21 3	16 49		n.a.
T 25	11 13	3s50	5 10	19 56	2 10	19 43	1 0	22 2	1 6	2 24	1 43	23 36	0 54	23 41	0 28	8 25	1 38	30 48	8 12	20 50	21 3	16 50		n.a.
W26	10 52	8 51	5 9	19 31	2 12	19 26	1 2	21 53	1 7	2 26	1 43	23 36	0 54	23 41	0 28	8 24	1 38	30 48	8 12	20 51	21 4	16 52		n.a.
T 27	10 31	13 24	4 49	19 4	2 13	19 8	1 4	21 44	1 7	2 29	1 43	23 37	0 54	23 41	0 28	8 23	1 38	30 48	8 12	20 51	21 4	16 54		n.a.
F 28	10s 9	17s11	4n11	18s36	2s14	18s50	1s 5	21s35	1s 7	2n32	1n43	23n37	0n54	23s41	0s28	8s23	1s38	30s48	8s12	20n51	21n 5	16n56		n.a.

Julian Day Number = 1561109.5, Delta T = 04h24m08s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°08'02, Lahiri = -10°01'02 Julian Calendar 1 Feb. 439 BCE == Greg. Calendar 27 Jan. 439 BCE

The year -438 astronomical counting style corresponds to year 439 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

MARCH 439 BCE (-438) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 12 3	5♓ 2'12	18♐33	16♒57	11♒55	0♒28	27°R32	16°R20	11♑46	12♓46	16♑56	27♋52	26♋39	3♊ 1	n.a.	S 1
S 2	10 16 0	6° 1'13	2♑39	18°39	13° 9	1°14	27♍26	16♋18	11°48	12°48	16°57	27°54	26°36	3° 8	n.a.	S 2
M 3	10 19 56	7° 0'12	16°39	20°22	14°23	2° 1	27°19	16°15	11°50	12°50	16°58	27°55	26°33	3°14	n.a.	M 3
T 4	10 23 53	7°59'10	0♒33	22° 7	15°36	2°48	27°12	16°13	11°53	12°53	17° 0	27°R55	26°30	3°21	n.a.	T 4
W 5	10 27 50	8°58'05	14°18	23°53	16°50	3°34	27° 5	16°11	11°55	12°55	17° 1	27°54	26°27	3°28	n.a.	W 5
T 6	10 31 46	9°56'59	27°52	25°41	18° 3	4°21	26°58	16° 9	11°57	12°57	17° 2	27°51	26°24	3°34	n.a.	T 6
F 7	10 35 43	10°55'50	11♓13	27°30	19°17	5° 7	26°51	16° 8	12° 0	12°59	17° 3	27°46	26°20	3°41	n.a.	F 7
S 8	10 39 39	11°54'39	24°20	29°20	20°31	5°54	26°44	16° 6	12° 2	13° 2	17° 4	27°39	26°17	3°48	n.a.	S 8
S 9	10 43 36	12°53'26	7♈11	1♓12	21°44	6°40	26°37	16° 4	12° 4	13° 4	17° 6	27°31	26°14	3°54	n.a.	S 9
M10	10 47 32	13°52'11	19°46	3° 5	22°58	7°27	26°30	16° 3	12° 6	13° 6	17° 7	27°22	26°11	4° 1	n.a.	M10
T 11	10 51 29	14°50'53	2♉ 6	5° 0	24°11	8°13	26°22	16° 1	12° 8	13° 8	17° 8	27°15	26° 8	4° 8	n.a.	T 11
W12	10 55 25	15°49'33	14°13	6°57	25°25	9° 0	26°15	16° 0	12°10	13°11	17° 9	27° 8	26° 4	4°15	n.a.	W12
T 13	10 59 22	16°48'11	26°10	8°55	26°38	9°46	26° 7	15°59	12°12	13°13	17°10	27° 4	26° 1	4°21	n.a.	T 13
F 14	11 3 19	17°46'47	8♊ 2	10°54	27°52	10°33	26° 0	15°58	12°14	13°15	17°11	27° 2	25°58	4°28	n.a.	F 14
S 15	11 7 15	18°45'21	19°53	12°55	29° 5	11°19	25°52	15°57	12°16	13°17	17°12	27°D 1	25°55	4°35	n.a.	S 15
S 16	11 11 12	19°43'52	1♋48	14°57	0♓19	12° 5	25°45	15°56	12°17	13°20	17°13	27° 2	25°52	4°41	n.a.	S 16
M17	11 15 8	20°42'21	13°52	17° 0	1°33	12°52	25°37	15°55	12°19	13°22	17°14	27° 3	25°49	4°48	n.a.	M17
T 18	11 19 5	21°40'47	26°11	19° 4	2°46	13°38	25°30	15°55	12°21	13°24	17°15	27°R 3	25°45	4°55	n.a.	T 18
W19	11 23 1	22°39'12	8♌49	21°10	4° 0	14°24	25°22	15°54	12°23	13°26	17°16	27° 3	25°42	5° 1	n.a.	W19
T 20	11 26 58	23°37'34	21°48	23°16	5°13	15°10	25°14	15°54	12°24	13°29	17°17	27° 0	25°39	5° 8	n.a.	T 20
F 21	11 30 54	24°35'54	5♍11	25°23	6°27	15°57	25° 7	15°53	12°26	13°31	17°18	26°55	25°36	5°15	n.a.	F 21
S 22	11 34 51	25°34'12	18°57	27°31	7°40	16°43	24°59	15°53	12°28	13°33	17°18	26°48	25°33	5°21	n.a.	S 22
S 23	11 38 47	26°32'28	3♎ 4	29°39	8°54	17°29	24°51	15°53	12°29	13°35	17°19	26°39	25°29	5°28	n.a.	S 23
M24	11 42 44	27°30'42	17°25	1♈47	10° 7	18°15	24°44	15°D53	12°31	13°38	17°20	26°29	25°26	5°35	n.a.	M24
T 25	11 46 41	28°28'55	1♏56	3°55	11°21	19° 1	24°36	15°53	12°32	13°40	17°21	26°20	25°23	5°42	n.a.	T 25
W26	11 50 37	29°27'06	16°30	6° 3	12°34	19°47	24°28	15°53	12°33	13°42	17°22	26°12	25°20	5°48	n.a.	W26
T 27	11 54 34	0♈25'15	0♐59	8°10	13°48	20°33	24°21	15°53	12°35	13°44	17°22	26° 7	25°17	5°55	n.a.	T 27
F 28	11 58 30	1°23'22	15°21	10°16	15° 1	21°19	24°13	15°54	12°36	13°46	17°23	26° 4	25°14	6° 2	n.a.	F 28
S 29	12 2 27	2°21'29	29°31	12°20	16°15	22° 5	24° 6	15°54	12°37	13°49	17°24	26°D 3	25°10	6° 8	n.a.	S 29
S 30	12 6 23	3°19'33	13♑29	14°23	17°28	22°51	23°58	15°55	12°38	13°51	17°24	26° 3	25° 7	6°15	n.a.	S 30
M31	12 10 20	4♈17'36	27♑14	16♈24	18♓42	23♒37	23♍51	15♋56	12♑40	13♓53	17♑25	26°R 3	25♋ 4	6♊22	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s47	19s58	3n18	18s 6	2s15	18s31	1s 7	21s25	1s 8	2n34	1n44	23n37	0n54	23s41	0s28	8s22	1s38	30s48	8s13	20n51	21n 6	16n58		n.a.
S 2	9 25	21 30	2 13	17 34	2 15	18 11	1 9	21 15	1 8	2 37	1 44	23 38	0 54	23 40	0 28	8 21	1 38	30 48	8 13	20 51	21 6	16 59		n.a.
M 3	9 3	21 41	1 1	17 0	2 14	17 51	1 10	21 5	1 9	2 40	1 44	23 38	0 54	23 40	0 28	8 20	1 38	30 48	8 13	20 51	21 7	17 1		n.a.
T 4	8 41	20 31	0s14	16 25	2 13	17 31	1 12	20 55	1 9	2 43	1 44	23 38	0 54	23 40	0 28	8 19	1 38	30 48	8 13	20 51	21 7	17 3		n.a.
W 5	8 19	18 9	1 28	15 48	2 12	17 10	1 13	20 44	1 10	2 46	1 44	23 39	0 54	23 40	0 28	8 18	1 38	30 48	8 14	20 51	21 8	17 5		n.a.
T 6	7 56	14 47	2 35	15 10	2 10	16 48	1 15	20 33	1 10	2 48	1 44	23 39	0 54	23 40	0 28	8 17	1 38	30 48	8 14	20 52	21 9	17 7		n.a.
F 7	7 34	10 43	3 33	14 29	2 8	16 26	1 16	20 22	1 10	2 51	1 44	23 39	0 54	23 40	0 28	8 16	1 38	30 48	8 14	20 53	21 9	17 8		n.a.
S 8	7 11	6 13	4 18	13 48	2 4	16 4	1 18	20 11	1 11	2 54	1 44	23 39	0 54	23 39	0 28	8 15	1 38	30 48	8 14	20 54	21 10	17 10		n.a.
S 9	6 48	1 32	4 49	13 4	2 1	15 41	1 19	20 0	1 11	2 57	1 44	23 39	0 54	23 39	0 28	8 15	1 38	30 48	8 15	20 56	21 11	17 12		n.a.
M10	6 25	3n 8	5 5	12 19	1 57	15 18	1 20	19 48	1 12	3 0	1 44	23 40	0 54	23 39	0 28	8 14	1 38	30 49	8 15	20 57	21 11	17 14		n.a.
T 11	6 3	7 34	5 7	11 32	1 52	14 54	1 21	19 36	1 12	3 3	1 44	23 40	0 54	23 39	0 28	8 13	1 38	30 49	8 15	20 59	21 12	17 15		n.a.
W12	5 40	11 38	4 54	10 44	1 47	14 30	1 22	19 24	1 12	3 6	1 45	23 40	0 54	23 39	0 28	8 12	1 38	30 49	8 15	21 0	21 12	17 17		n.a.
T 13	5 17	15 11	4 29	9 54	1 41	14 6	1 23	19 12	1 13	3 9	1 45	23 40	0 54	23 39	0 28	8 11	1 38	30 49	8 15	21 1	21 13	17 19		n.a.
F 14	4 53	18 6	3 53	9 2	1 35	13 41	1 24	18 59	1 13	3 12	1 45	23 40	0 54	23 38	0 28	8 10	1 38	30 49	8 16	21 1	21 14	17 21		n.a.
S 15	4 30	20 15	3 6	8 9	1 28	13 16	1 25	18 47	1 13	3 15	1 45	23 40	0 54	23 38	0 28	8 9	1 38	30 49	8 16	21 1	21 14	17 22		n.a.
S 16	4 7	21 32	2 12	7 15	1 21	12 50	1 26	18 34	1 14	3 19	1 45	23 41	0 54	23 38	0 28	8 8	1 38	30 49	8 16	21 1	21 15	17 24		n.a.
M17	3 44	21 51	1 10	6 19	1 13	12 24	1 26	18 21	1 14	3 22	1 45	23 41	0 54	23 38	0 28	8 8	1 38	30 49	8 17	21 1	21 15	17 26		n.a.
T 18	3 20	21 7	0 5	5 22	1 5	11 58	1 27	18 8	1 14	3 25	1 45	23 41	0 54	23 38	0 28	8 7	1 38	30 49	8 17	21 1	21 16	17 28		n.a.
W19	2 57	19 18	1n 3	4 24	0 56	11 32	1 28	17 55	1 15	3 28	1 45	23 41	0 54	23 38	0 28	8 6	1 38	30 50	8 17	21 1	21 17	17 29		n.a.
T 20	2 34	16 27	2 9	3 25	0 47	11 5	1 28	17 41	1 15	3 31	1 45	23 41	0 54	23 38	0 28	8 5	1 38	30 50	8 17	21 2	21 17	17 31		n.a.
F 21	2 10	12 40	3 9	2 26	0 37	10 38	1 28	17 28	1 15	3 34	1 45	23 41	0 54	23 37	0 28	8 4	1 38	30 50	8 18	21 3	21 18	17 33		n.a.
S 22	1 47	8 6	4 1	1 25	0 27	10 10	1 29	17 14	1 16	3 37	1 45	23 41	0 54	23 37	0 28	8 3	1 38	30 50	8 18	21 4	21 18	17 35		n.a.
S 23	1 24	3 1	4 39	0 24	0 17	9 43	1 29	17 0	1 16	3 40	1 45	23 41	0 54	23 37	0 28	8 2	1 38	30 50	8 18	21 6	21 19	17 36		n.a.
M24	1 0	2s19	5 0	0n37	0 7	9 15	1 29	16 46	1 16	3 43	1 45	23 41	0 54	23 37	0 28	8 2	1 38	30 50	8 18	21 8	21 20	17 38		n.a.
T 25	0 37	7 34	5 2	1 39	0n 4	8 47	1 30	16 31	1 17	3 46	1 45	23 41	0 54	23 37	0 28	8 1	1 38	30 50	8 19	21 9	21 20	17 40		n.a.
W26	0 13	12 26	4 45	2 40	0 15	8 18	1 30	16 17	1 17	3 49	1 45	23 41	0 54	23 37	0 28	8 0	1 38	30 51	8 19	21 11	21 21	17 42		n.a.
T 27	0n10	16 33	4 10	3 41	0 26	7 50	1 30	16 2	1 17	3 52	1 44	23 41	0 54	23 37	0 28	7 59	1 38	30 51	8 19	21 12	21 21	17 43		n.a.
F 28	0 34	19 38	3 19	4 41	0 37	7 21	1 30	15 48	1 17	3 55	1 44	23 41	0 54	23 37	0 28	7 58	1 38	30 51	8 19	21 12	21 22	17 45		n.a.
S 29	0 57	21 28	2 16	5 40	0 48	6 52	1 30	15 33	1 18	3 58	1 44	23 41	0 54	23 37	0 28	7 57	1 38	30 51	8 20	21 13	21 22	17 47		n.a.
S 30	1 20	21 57	1 6	6 38	0 58	6 23	1 29	15 18	1 18	4 1	1 44	23 41	0 54	23 37	0 28	7 57	1 38	30 51	8 20	21 13	21 23	17 48		n.a.
M31	1n44	21s 5	0s 6	7n35	1n 9	5s53	1s29	15s 3	1s18	4n 4	1n44	23n41	0n54	23s36	0s28	7s56	1s38	30s51	8s20	21n13	21n24	17n50		n.a.

Julian Day Number = 1561137.5, Delta T = 04h24m06s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'59, Lahiri = -10°00'58 Julian Calendar 1 March 439 BCE == Greg. Calendar 24 Feb. 439 BCE

The year -438 astronomical counting style corresponds to year 439 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

APRIL 439 BCE (-438) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 14 16	5♈15'38	10♒47	18♈23	19♓55	24♒23	23°R43	15♋57	12♑41	13♓55	17♑26	26°R 2	25♋ 1	6♊28	n.a.	T 1
W 2	12 18 13	6°13'38	24° 8	20°19	21° 9	25° 9	23♍36	15°57	12°42	13°57	17°26	25♋59	24°58	6°35	n.a.	W 2
T 3	12 22 10	7°11'37	7♓19	22°12	22°22	25°55	23°29	15°58	12°43	13°59	17°27	25°54	24°55	6°42	n.a.	T 3
F 4	12 26 6	8° 9'34	20°18	24° 3	23°36	26°41	23°21	16° 0	12°44	14° 1	17°27	25°45	24°51	6°48	n.a.	F 4
S 5	12 30 3	9° 7'29	3♈ 6	25°51	24°50	27°26	23°14	16° 1	12°45	14° 3	17°28	25°34	24°48	6°55	n.a.	S 5
S 6	12 33 59	10° 5'23	15°42	27°35	26° 3	28°12	23° 7	16° 2	12°45	14° 6	17°28	25°22	24°45	7° 2	n.a.	S 6
M 7	12 37 56	11° 3'15	28° 6	29°16	27°17	28°58	23° 0	16° 4	12°46	14° 8	17°29	25° 9	24°42	7° 9	n.a.	M 7
T 8	12 41 52	12° 1'05	10♉18	0♉54	28°30	29°43	22°53	16° 5	12°47	14°10	17°29	24°57	24°39	7°15	n.a.	T 8
W 9	12 45 49	12°58'54	22°20	2°28	29°44	0♓29	22°46	16° 7	12°48	14°12	17°30	24°46	24°35	7°22	n.a.	W 9
T 10	12 49 45	13°56'41	4♊15	3°58	0♈57	1°14	22°39	16° 9	12°48	14°14	17°30	24°38	24°32	7°29	n.a.	T 10
F 11	12 53 42	14°54'27	16° 5	5°25	2°11	2° 0	22°33	16°11	12°49	14°16	17°30	24°32	24°29	7°35	n.a.	F 11
S 12	12 57 38	15°52'10	27°54	6°48	3°24	2°45	22°26	16°12	12°50	14°18	17°31	24°29	24°26	7°42	n.a.	S 12
S 13	13 1 35	16°49'52	9♋47	8° 8	4°38	3°31	22°20	16°15	12°50	14°20	17°31	24°28	24°23	7°49	n.a.	S 13
M14	13 5 32	17°47'33	21°50	9°23	5°51	4°16	22°13	16°17	12°51	14°22	17°31	24°28	24°20	7°55	n.a.	M14
T 15	13 9 28	18°45'11	4♌ 8	10°34	7° 5	5° 1	22° 7	16°19	12°51	14°24	17°31	24°28	24°16	8° 2	n.a.	T 15
W16	13 13 25	19°42'48	16°45	11°42	8°18	5°47	22° 1	16°21	12°51	14°26	17°32	24°27	24°13	8° 9	n.a.	W16
T 17	13 17 21	20°40'23	29°47	12°45	9°32	6°32	21°55	16°24	12°52	14°28	17°32	24°23	24°10	8°15	n.a.	T 17
F 18	13 21 18	21°37'57	13♍16	13°45	10°45	7°17	21°49	16°26	12°52	14°29	17°32	24°17	24° 7	8°22	n.a.	F 18
S 19	13 25 14	22°35'29	27°13	14°40	11°59	8° 2	21°43	16°29	12°52	14°31	17°32	24° 9	24° 4	8°29	n.a.	S 19
S 20	13 29 11	23°32'59	11♎36	15°31	13°12	8°47	21°38	16°32	12°52	14°33	17°32	23°59	24° 0	8°35	n.a.	S 20
M21	13 33 7	24°30'28	26°18	16°18	14°26	9°32	21°32	16°35	12°53	14°35	17°32	23°47	23°57	8°42	n.a.	M21
T 22	13 37 4	25°27'56	11♏12	17° 0	15°39	10°17	21°27	16°38	12°53	14°37	17°32	23°37	23°54	8°49	n.a.	T 22
W23	13 41 1	26°25'23	26°10	17°38	16°53	11° 2	21°22	16°41	12°R53	14°39	17°32	23°27	23°51	8°55	n.a.	W23
T 24	13 44 57	27°22'49	11♐ 2	18°11	18° 6	11°47	21°17	16°44	12°53	14°40	17°R32	23°20	23°48	9° 2	n.a.	T 24
F 25	13 48 54	28°20'15	25°41	18°40	19°20	12°32	21°12	16°47	12°53	14°42	17°32	23°16	23°45	9° 9	n.a.	F 25
S 26	13 52 50	29°17'39	10♑ 2	19° 4	20°33	13°16	21° 7	16°50	12°52	14°44	17°32	23°14	23°41	9°16	n.a.	S 26
S 27	13 56 47	0♉15'02	24° 3	19°24	21°47	14° 1	21° 2	16°54	12°52	14°46	17°32	23°14	23°38	9°22	n.a.	S 27
M28	14 0 43	1°12'25	7♒45	19°39	23° 0	14°46	20°58	16°57	12°52	14°47	17°32	23°14	23°35	9°29	n.a.	M28
T 29	14 4 40	2° 9'47	21° 9	19°49	24°14	15°30	20°54	17° 1	12°52	14°49	17°32	23°13	23°32	9°36	n.a.	T 29
W30	14 8 36	3♉ 7'08	4♓17	19♉55	25♈27	16♓15	20♍50	17♋ 4	12♑51	14♓51	17♑32	23♋10	23♋29	9♊42	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n 7	19s 0	1s17	8n30	1n19	5s24	1s29	14s47	1s18	4n 7	1n44	23n40	0n54	23s36	0s28	7s55	1s38	30s52	8s21	21n13	21n24	17n52		n.a.
W 2	2 30	15 54	2 23	9 24	1 29	4 54	1 29	14 32	1 18	4 10	1 44	23 40	0 54	23 36	0 29	7 54	1 38	30 52	8 21	21 13	21 25	17 54		n.a.
T 3	2 53	12 2	3 20	10 16	1 38	4 25	1 28	14 17	1 19	4 13	1 44	23 40	0 54	23 36	0 29	7 53	1 39	30 52	8 21	21 14	21 25	17 55		n.a.
F 4	3 17	7 39	4 6	11 6	1 47	3 55	1 28	14 1	1 19	4 15	1 44	23 40	0 54	23 36	0 29	7 53	1 39	30 52	8 21	21 16	21 26	17 57		n.a.
S 5	3 40	3 0	4 38	11 53	1 55	3 25	1 27	13 45	1 19	4 18	1 44	23 40	0 54	23 36	0 29	7 52	1 39	30 52	8 22	21 18	21 27	17 59		n.a.
S 6	4 3	1n42	4 57	12 39	2 2	2 55	1 27	13 29	1 19	4 21	1 44	23 40	0 54	23 36	0 29	7 51	1 39	30 53	8 22	21 20	21 27	18 0		n.a.
M 7	4 26	6 16	5 0	13 22	2 9	2 24	1 26	13 13	1 19	4 24	1 43	23 40	0 54	23 36	0 29	7 50	1 39	30 53	8 22	21 23	21 28	18 2		n.a.
T 8	4 49	10 30	4 50	14 3	2 15	1 54	1 25	12 57	1 20	4 26	1 43	23 39	0 54	23 36	0 29	7 49	1 39	30 53	8 23	21 25	21 28	18 4		n.a.
W 9	5 11	14 17	4 27	14 41	2 21	1 24	1 24	12 41	1 20	4 29	1 43	23 39	0 54	23 36	0 29	7 49	1 39	30 53	8 23	21 27	21 29	18 5		n.a.
T 10	5 34	17 27	3 53	15 17	2 26	0 53	1 23	12 25	1 20	4 31	1 43	23 39	0 54	23 36	0 29	7 48	1 39	30 54	8 23	21 28	21 29	18 7		n.a.
F 11	5 57	19 53	3 8	15 50	2 29	0 23	1 23	12 9	1 20	4 34	1 43	23 39	0 54	23 36	0 29	7 47	1 39	30 54	8 23	21 29	21 30	18 9		n.a.
S 12	6 19	21 28	2 16	16 21	2 33	0n 8	1 22	11 52	1 20	4 36	1 43	23 38	0 54	23 36	0 29	7 46	1 39	30 54	8 24	21 30	21 31	18 10		n.a.
S 13	6 42	22 6	1 17	16 50	2 35	0 38	1 21	11 36	1 20	4 39	1 43	23 38	0 54	23 36	0 29	7 46	1 39	30 54	8 24	21 30	21 31	18 12		n.a.
M14	7 4	21 43	0 14	17 16	2 36	1 8	1 19	11 19	1 20	4 41	1 42	23 38	0 54	23 36	0 29	7 45	1 39	30 55	8 24	21 30	21 32	18 14		n.a.
T 15	7 26	20 18	0n51	17 40	2 37	1 39	1 18	11 2	1 21	4 44	1 42	23 38	0 54	23 36	0 29	7 44	1 39	30 55	8 25	21 30	21 32	18 15		n.a.
W16	7 48	17 50	1 55	18 1	2 36	2 9	1 17	10 45	1 21	4 46	1 42	23 37	0 54	23 36	0 29	7 43	1 39	30 55	8 25	21 30	21 33	18 17		n.a.
T 17	8 10	14 25	2 55	18 19	2 35	2 40	1 16	10 29	1 21	4 48	1 42	23 37	0 54	23 36	0 29	7 43	1 39	30 55	8 25	21 31	21 33	18 19		n.a.
F 18	8 32	10 9	3 48	18 36	2 33	3 10	1 15	10 12	1 21	4 50	1 42	23 37	0 54	23 36	0 29	7 42	1 39	30 56	8 25	21 32	21 34	18 20		n.a.
S 19	8 54	5 13	4 28	18 50	2 30	3 40	1 13	9 55	1 21	4 52	1 41	23 36	0 54	23 36	0 29	7 41	1 39	30 56	8 26	21 34	21 34	18 22		n.a.
S 20	9 16	0s 9	4 54	19 1	2 26	4 11	1 12	9 38	1 21	4 54	1 41	23 36	0 54	23 36	0 29	7 41	1 39	30 56	8 26	21 35	21 35	18 24		n.a.
M21	9 37	5 37	5 0	19 10	2 21	4 41	1 10	9 21	1 21	4 56	1 41	23 36	0 54	23 36	0 29	7 40	1 39	30 56	8 26	21 37	21 36	18 25		n.a.
T 22	9 58	10 51	4 47	19 17	2 15	5 11	1 9	9 3	1 21	4 58	1 41	23 35	0 54	23 36	0 29	7 39	1 39	30 57	8 27	21 39	21 36	18 27		n.a.
W23	10 19	15 26	4 13	19 21	2 8	5 41	1 7	8 46	1 21	5 0	1 41	23 35	0 54	23 36	0 29	7 39	1 39	30 57	8 27	21 41	21 37	18 29		n.a.
T 24	10 40	19 2	3 23	19 23	2 0	6 11	1 6	8 29	1 21	5 2	1 40	23 34	0 54	23 36	0 29	7 38	1 39	30 57	8 27	21 42	21 37	18 30		n.a.
F 25	11 1	21 20	2 20	19 23	1 51	6 40	1 4	8 12	1 21	5 4	1 40	23 34	0 54	23 36	0 29	7 37	1 39	30 58	8 27	21 43	21 38	18 32		n.a.
S 26	11 22	22 13	1 9	19 20	1 41	7 10	1 2	7 54	1 21	5 5	1 40	23 34	0 54	23 36	0 29	7 37	1 39	30 58	8 28	21 43	21 38	18 34		n.a.
S 27	11 42	21 39	0s 4	19 15	1 31	7 40	1 1	7 37	1 21	5 7	1 40	23 33	0 54	23 36	0 29	7 36	1 39	30 58	8 28	21 43	21 39	18 35		n.a.
M28	12 3	19 47	1 16	19 8	1 19	8 9	0 59	7 19	1 21	5 9	1 39	23 33	0 54	23 36	0 29	7 35	1 39	30 58	8 28	21 43	21 39	18 37		n.a.
T 29	12 23	16 52	2 22	18 59	1 7	8 38	0 57	7 2	1 21	5 10	1 39	23 32	0 54	23 36	0 29	7 35	1 39	30 59	8 29	21 43	21 40	18 38		n.a.
W30	12n43	13s 9	3s19	18n48	0n53	9n 7	0s55	6s44	1s21	5n12	1n39	23n32	0n54	23s36	0s29	7s34	1s40	30s59	8s29	21n44	21n41	18n40		n.a.

Julian Day Number = 1561168.5, Delta T = 04h24m05s
Ecliptic obliquity = 23°44'51, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'54, Lahiri = -10°00'54 Julian Calendar 1 Apr. 439 BCE == Greg. Calendar 27 March 439 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

MAY 439 BCE (-438) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 12 33	4♉ 4'28	17♓10	19°R56	26♈41	16♓59	20°R46	17♋ 8	12°R51	14♓52	17°R32	23°R 4	23♋26	9♊49	n.a.	T 1
F 2	14 16 30	5° 1'48	29°51	19♉53	27°54	17°44	20♍42	17°12	12♑51	14°54	17♑32	22♋56	23°22	9°56	n.a.	F 2
S 3	14 20 26	5°59'07	12♈22	19°45	29° 8	18°28	20°38	17°16	12°50	14°56	17°31	22°45	23°19	10° 2	n.a.	S 3
S 4	14 24 23	6°56'25	24°42	19°33	0♉22	19°13	20°35	17°20	12°50	14°57	17°31	22°33	23°16	10° 9	n.a.	S 4
M 5	14 28 19	7°53'42	6♉53	19°17	1°35	19°57	20°31	17°24	12°49	14°59	17°31	22°20	23°13	10°16	n.a.	M 5
T 6	14 32 16	8°50'59	18°56	18°57	2°49	20°41	20°28	17°28	12°49	15° 0	17°31	22° 7	23°10	10°22	n.a.	T 6
W 7	14 36 12	9°48'15	0♊52	18°34	4° 2	21°25	20°25	17°32	12°48	15° 2	17°30	21°56	23° 6	10°29	n.a.	W 7
T 8	14 40 9	10°45'29	12°43	18° 8	5°16	22° 9	20°22	17°37	12°47	15° 3	17°30	21°48	23° 3	10°36	n.a.	T 8
F 9	14 44 5	11°42'44	24°31	17°39	6°29	22°53	20°20	17°41	12°47	15° 5	17°30	21°42	23° 0	10°42	n.a.	F 9
S 10	14 48 2	12°39'57	6♋19	17° 8	7°43	23°37	20°17	17°46	12°46	15° 6	17°29	21°39	22°57	10°49	n.a.	S 10
S 11	14 51 59	13°37'09	18°12	16°36	8°57	24°21	20°15	17°50	12°45	15° 7	17°29	21°D38	22°54	10°56	n.a.	S 11
M12	14 55 55	14°34'21	0♌14	16° 3	10°10	25° 5	20°13	17°55	12°44	15° 9	17°28	21°38	22°51	11° 2	n.a.	M12
T 13	14 59 52	15°31'31	12°30	15°29	11°24	25°49	20°11	18° 0	12°43	15°10	17°28	21°R38	22°47	11° 9	n.a.	T 13
W14	15 3 48	16°28'41	25° 5	14°55	12°37	26°32	20° 9	18° 4	12°42	15°11	17°27	21°38	22°44	11°16	n.a.	W14
T 15	15 7 45	17°25'50	8♍ 4	14°22	13°51	27°16	20° 8	18° 9	12°41	15°13	17°27	21°36	22°41	11°22	n.a.	T 15
F 16	15 11 41	18°22'58	21°31	13°50	15° 5	28° 0	20° 6	18°14	12°40	15°14	17°26	21°32	22°38	11°29	n.a.	F 16
S 17	15 15 38	19°20'06	5♎28	13°20	16°18	28°43	20° 5	18°19	12°39	15°15	17°26	21°26	22°35	11°36	n.a.	S 17
S 18	15 19 35	20°17'12	19°53	12°53	17°32	29°26	20° 4	18°24	12°38	15°16	17°25	21°18	22°32	11°43	n.a.	S 18
M19	15 23 31	21°14'19	4♏43	12°28	18°45	0♈10	20° 3	18°30	12°37	15°17	17°25	21° 9	22°28	11°49	n.a.	M19
T 20	15 27 28	22°11'24	19°49	12° 6	19°59	0°53	20° 2	18°35	12°35	15°19	17°24	21° 1	22°25	11°56	n.a.	T 20
W21	15 31 24	23° 8'30	5♐ 1	11°48	21°13	1°36	20° 2	18°40	12°34	15°20	17°23	20°53	22°22	12° 3	n.a.	W21
T 22	15 35 21	24° 5'35	20°11	11°34	22°26	2°19	20° 2	18°45	12°33	15°21	17°23	20°48	22°19	12° 9	n.a.	T 22
F 23	15 39 17	25° 2'41	5♑ 7	11°24	23°40	3° 2	20°D 2	18°51	12°32	15°22	17°22	20°45	22°16	12°16	n.a.	F 23
S 24	15 43 14	25°59'46	19°43	11°18	24°54	3°45	20° 2	18°56	12°30	15°23	17°21	20°D44	22°12	12°23	n.a.	S 24
S 25	15 47 10	26°56'51	3♒56	11°D17	26° 7	4°28	20° 2	19° 2	12°29	15°24	17°20	20°44	22° 9	12°29	n.a.	S 25
M26	15 51 7	27°53'57	17°44	11°21	27°21	5°11	20° 2	19° 8	12°27	15°25	17°20	20°45	22° 6	12°36	n.a.	M26
T 27	15 55 4	28°51'02	1♓ 9	11°29	28°35	5°54	20° 3	19°13	12°26	15°26	17°19	20°R46	22° 3	12°43	n.a.	T 27
W28	15 59 0	29°48'08	14°12	11°42	29°48	6°37	20° 4	19°19	12°24	15°27	17°18	20°45	22° 0	12°49	n.a.	W28
T 29	16 2 57	0♊45'14	26°58	12° 0	1♊ 2	7°19	20° 5	19°25	12°23	15°28	17°17	20°42	21°57	12°56	n.a.	T 29
F 30	16 6 53	1°42'20	9♈28	12°23	2°16	8° 2	20° 6	19°31	12°21	15°28	17°17	20°36	21°53	13° 3	n.a.	F 30
S 31	16 10 50	2♊39'26	21♈46	12♉51	3♊29	8♈45	20♍ 7	19♋37	12♑19	15♓29	17♑16	20♋30	21♋50	13♊ 9	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	13n 2	8s52	4s 5	18n35	0n39	9n36	0s53	6s27	1s21	5n13	1n39	23n31	0n54	23s36	0s29	7s34	1s40	30s59	8s29	21n45	21n41	18n42			n.a.
F 2	13 22	4 17	4 37	18 20	0 24	10 4	0 51	6 9	1 21	5 14	1 38	23 31	0 54	23 36	0 29	7 33	1 40	31 0	8 29	21 46	21 42	18 43			n.a.
S 3	13 41	0n25	4 56	18 3	0 9	10 32	0 49	5 51	1 21	5 15	1 38	23 30	0 54	23 36	0 29	7 32	1 40	31 0	8 30	21 48	21 42	18 45			n.a.
S 4	14 0	5 2	5 1	17 44	0s 7	11 0	0 47	5 34	1 21	5 17	1 38	23 30	0 54	23 37	0 30	7 32	1 40	31 0	8 30	21 50	21 43	18 46			n.a.
M 5	14 19	9 24	4 51	17 24	0 23	11 28	0 45	5 16	1 21	5 18	1 38	23 29	0 54	23 37	0 30	7 31	1 40	31 1	8 30	21 52	21 43	18 48			n.a.
T 6	14 38	13 22	4 29	17 2	0 40	11 56	0 43	4 59	1 21	5 19	1 37	23 29	0 54	23 37	0 30	7 31	1 40	31 1	8 31	21 54	21 44	18 50			n.a.
W 7	14 56	16 46	3 55	16 39	0 57	12 23	0 41	4 41	1 21	5 20	1 37	23 28	0 54	23 37	0 30	7 30	1 40	31 1	8 31	21 56	21 44	18 51			n.a.
T 8	15 15	19 27	3 11	16 16	1 14	12 50	0 39	4 23	1 21	5 21	1 37	23 28	0 54	23 37	0 30	7 30	1 40	31 2	8 31	21 57	21 45	18 53			n.a.
F 9	15 33	21 19	2 19	15 52	1 31	13 17	0 37	4 5	1 21	5 21	1 37	23 27	0 54	23 37	0 30	7 29	1 40	31 2	8 31	21 58	21 45	18 54			n.a.
S 10	15 50	22 15	1 21	15 27	1 48	13 43	0 35	3 48	1 21	5 22	1 36	23 26	0 54	23 37	0 30	7 29	1 40	31 2	8 32	21 59	21 46	18 56			n.a.
S 11	16 8	22 11	0 18	15 2	2 4	14 9	0 32	3 30	1 21	5 23	1 36	23 26	0 54	23 37	0 30	7 28	1 40	31 2	8 32	21 59	21 47	18 58			n.a.
M12	16 25	21 6	0n46	14 37	2 20	14 35	0 30	3 12	1 20	5 23	1 36	23 25	0 54	23 37	0 30	7 28	1 40	31 3	8 32	21 59	21 47	18 59			n.a.
T 13	16 42	19 1	1 49	14 13	2 35	15 0	0 28	2 55	1 20	5 24	1 35	23 25	0 54	23 37	0 30	7 27	1 40	31 3	8 32	21 59	21 48	19 1			n.a.
W14	16 59	15 58	2 49	13 49	2 49	15 25	0 26	2 37	1 20	5 24	1 35	23 24	0 54	23 38	0 30	7 27	1 40	31 3	8 33	21 59	21 48	19 2			n.a.
T 15	17 15	12 4	3 41	13 27	3 3	15 50	0 23	2 19	1 20	5 25	1 35	23 23	0 54	23 38	0 30	7 26	1 40	31 4	8 33	21 59	21 49	19 4			n.a.
F 16	17 31	7 26	4 24	13 6	3 15	16 14	0 21	2 2	1 20	5 25	1 35	23 23	0 54	23 38	0 30	7 26	1 40	31 4	8 33	22 0	21 49	19 5			n.a.
S 17	17 47	2 16	4 53	12 46	3 26	16 38	0 19	1 44	1 20	5 25	1 34	23 22	0 54	23 38	0 30	7 25	1 40	31 4	8 34	22 1	21 50	19 7			n.a.
S 18	18 3	3s11	5 4	12 28	3 36	17 1	0 16	1 26	1 20	5 25	1 34	23 21	0 54	23 38	0 30	7 25	1 40	31 5	8 34	22 2	21 50	19 9			n.a.
M19	18 18	8 37	4 56	12 13	3 45	17 24	0 14	1 9	1 19	5 25	1 34	23 20	0 54	23 38	0 30	7 25	1 41	31 5	8 34	22 4	21 51	19 10			n.a.
T 20	18 33	13 38	4 27	11 59	3 52	17 46	0 12	0 51	1 19	5 25	1 33	23 20	0 54	23 38	0 30	7 24	1 41	31 6	8 34	22 5	21 51	19 12			n.a.
W21	18 48	17 49	3 39	11 48	3 58	18 9	0 9	0 34	1 19	5 25	1 33	23 19	0 54	23 39	0 30	7 24	1 41	31 6	8 35	22 6	21 52	19 13			n.a.
T 22	19 2	20 47	2 36	11 39	4 3	18 30	0 7	0 16	1 19	5 25	1 33	23 18	0 54	23 39	0 30	7 23	1 41	31 6	8 35	22 7	21 52	19 15			n.a.
F 23	19 16	22 16	1 23	11 33	4 6	18 51	0 5	0n 2	1 19	5 25	1 33	23 18	0 54	23 39	0 30	7 23	1 41	31 7	8 35	22 7	21 53	19 16			n.a.
S 24	19 30	22 11	0 5	11 29	4 8	19 12	0 2	0 19	1 18	5 25	1 32	23 17	0 54	23 39	0 30	7 23	1 41	31 7	8 35	22 7	21 53	19 18			n.a.
S 25	19 44	20 39	1s10	11 28	4 9	19 32	0 0	0 36	1 18	5 24	1 32	23 16	0 54	23 39	0 30	7 22	1 41	31 7	8 36	22 7	21 54	19 19			n.a.
M26	19 57	17 56	2 20	11 30	4 8	19 51	0n 2	0 54	1 18	5 24	1 32	23 15	0 54	23 39	0 30	7 22	1 41	31 8	8 36	22 7	21 54	19 21			n.a.
T 27	20 10	14 19	3 20	11 34	4 7	20 11	0 5	1 11	1 18	5 23	1 31	23 14	0 54	23 39	0 30	7 22	1 41	31 8	8 36	22 7	21 55	19 22			n.a.
W28	20 22	10 5	4 8	11 41	4 4	20 29	0 7	1 29	1 17	5 23	1 31	23 14	0 54	23 40	0 30	7 21	1 41	31 8	8 36	22 7	21 56	19 24			n.a.
T 29	20 34	5 31	4 42	11 50	4 0	20 47	0 9	1 46	1 17	5 22	1 31	23 13	0 54	23 40	0 30	7 21	1 41	31 9	8 36	22 8	21 56	19 25			n.a.
F 30	20 46	0 49	5 2	12 1	3 55	21 4	0 12	2 3	1 17	5 21	1 30	23 12	0 54	23 40	0 30	7 21	1 41	31 9	8 37	22 9	21 57	19 27			n.a.
S 31	20n58	3n51	5s 7	12n15	3s49	21n21	0n14	2n20	1s17	5n20	1n30	23n11	0n54	23s40	0s30	7s21	1s41	31s 9	8s37	22n10	21n57	19n28			n.a.

Julian Day Number = 1561198.5, Delta T = 04h24m04s
Ecliptic obliquity = 23°44'51, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'50, Lahiri = -10°00'50 Julian Calendar 1 May 439 BCE == Greg. Calendar 26 Apr. 439 BCE

The year -438 astronomical counting style corresponds to year 439 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

JUNE 439 BCE (-438) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 14 46	3♊36'33	3♉55	13♉24	4♊43	9♈27	20♍ 8	19♋43	12°R18	15♓30	17°R15	20°R21	21♋47	13♊16	n.a.	S 1
M 2	16 18 43	4°33'40	15°55	14° 1	5°57	10° 9	20°10	19°49	12♑16	15°31	17♑14	20♋13	21°44	13°23	n.a.	M 2
T 3	16 22 39	5°30'47	27°50	14°44	7°11	10°52	20°12	19°55	12°14	15°31	17°13	20° 5	21°41	13°29	n.a.	T 3
W 4	16 26 36	6°27'54	9♊41	15°30	8°24	11°34	20°14	20° 1	12°13	15°32	17°12	19°58	21°37	13°36	n.a.	W 4
T 5	16 30 33	7°25'02	21°30	16°22	9°38	12°16	20°16	20° 7	12°11	15°33	17°11	19°52	21°34	13°43	n.a.	T 5
F 6	16 34 29	8°22'09	3♋18	17°18	10°52	12°58	20°19	20°13	12° 9	15°33	17°10	19°49	21°31	13°49	n.a.	F 6
S 7	16 38 26	9°19'17	15° 8	18°19	12° 6	13°40	20°21	20°20	12° 7	15°34	17° 9	19°D47	21°28	13°56	n.a.	S 7
S 8	16 42 22	10°16'25	27° 4	19°24	13°19	14°22	20°24	20°26	12° 5	15°35	17° 8	19°48	21°25	14° 3	n.a.	S 8
M 9	16 46 19	11°13'33	9♌ 9	20°33	14°33	15° 3	20°27	20°33	12° 3	15°35	17° 7	19°49	21°22	14° 9	n.a.	M 9
T 10	16 50 15	12°10'41	21°27	21°47	15°47	15°45	20°30	20°39	12° 1	15°36	17° 6	19°50	21°18	14°16	n.a.	T 10
W11	16 54 12	13° 7'49	4♍ 2	23° 5	17° 1	16°27	20°33	20°45	11°59	15°36	17° 5	19°52	21°15	14°23	n.a.	W11
T 12	16 58 9	14° 4'58	16°59	24°28	18°15	17° 8	20°36	20°52	11°57	15°37	17° 4	19°R52	21°12	14°29	n.a.	T 12
F 13	17 2 5	15° 2'06	0♎21	25°54	19°29	17°49	20°40	20°59	11°55	15°37	17° 3	19°51	21° 9	14°36	n.a.	F 13
S 14	17 6 2	15°59'15	14°11	27°24	20°42	18°31	20°44	21° 5	11°53	15°37	17° 2	19°48	21° 6	14°43	n.a.	S 14
S 15	17 9 58	16°56'24	28°28	28°59	21°56	19°12	20°47	21°12	11°51	15°38	17° 1	19°45	21° 3	14°49	n.a.	S 15
M16	17 13 55	17°53'33	13♏11	0♊37	23°10	19°53	20°51	21°19	11°49	15°38	17° 0	19°41	20°59	14°56	n.a.	M16
T 17	17 17 51	18°50'43	28°12	2°19	24°24	20°34	20°56	21°25	11°47	15°38	16°58	19°36	20°56	15° 3	n.a.	T 17
W18	17 21 48	19°47'53	13♐25	4° 4	25°38	21°15	21° 0	21°32	11°45	15°38	16°57	19°33	20°53	15° 9	n.a.	W18
T 19	17 25 44	20°45'04	28°39	5°52	26°52	21°56	21° 5	21°39	11°43	15°39	16°56	19°30	20°50	15°16	n.a.	T 19
F 20	17 29 41	21°42'16	13♑44	7°44	28° 6	22°37	21° 9	21°46	11°40	15°39	16°55	19°D29	20°47	15°23	n.a.	F 20
S 21	17 33 38	22°39'29	28°32	9°38	29°19	23°18	21°14	21°53	11°38	15°39	16°54	19°29	20°43	15°30	n.a.	S 21
S 22	17 37 34	23°36'42	12♒56	11°35	0♋33	23°58	21°19	22° 0	11°36	15°39	16°53	19°30	20°40	15°36	n.a.	S 22
M23	17 41 31	24°33'56	26°54	13°35	1°47	24°39	21°24	22° 7	11°34	15°39	16°51	19°31	20°37	15°43	n.a.	M23
T 24	17 45 27	25°31'12	10♓26	15°36	3° 1	25°19	21°30	22°14	11°31	15°39	16°50	19°33	20°34	15°50	n.a.	T 24
W25	17 49 24	26°28'28	23°33	17°38	4°15	25°59	21°35	22°21	11°29	15°R39	16°49	19°R33	20°31	15°56	n.a.	W25
T 26	17 53 20	27°25'46	6♈18	19°42	5°29	26°40	21°41	22°28	11°27	15°39	16°48	19°33	20°28	16° 3	n.a.	T 26
F 27	17 57 17	28°23'05	18°45	21°47	6°43	27°20	21°46	22°35	11°24	15°39	16°46	19°32	20°24	16°10	n.a.	F 27
S 28	18 1 13	29°20'25	0♉58	23°53	7°57	28° 0	21°52	22°42	11°22	15°39	16°45	19°30	20°21	16°16	n.a.	S 28
S 29	18 5 10	0♋17'46	12°59	25°58	9°11	28°40	21°58	22°50	11°20	15°39	16°44	19°27	20°18	16°23	n.a.	S 29
M30	18 9 7	1♋15'09	24♉54	28♊ 4	10♋25	29♈20	22♍ 4	22♋57	11♑17	15♓39	16♑43	19♋24	20♋15	16♊30	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 9	8n18	4s59	12n31	3s43	21n37	0n16	2n37	1s16	5n20	1n30	23n10	0n54	23s40	0s30	7s20	1s41	31s10	8s37	22n11	21n58	19n30		n.a.
M 2	21 19	12 23	4 37	12 50	3 35	21 53	0 19	2 55	1 16	5 19	1 30	23 9	0 54	23 41	0 30	7 20	1 41	31 10	8 37	22 12	21 58	19 31		n.a.
T 3	21 30	15 58	4 4	13 10	3 27	22 8	0 21	3 12	1 16	5 18	1 29	23 8	0 54	23 41	0 30	7 20	1 41	31 10	8 38	22 13	21 59	19 33		n.a.
W 4	21 40	18 54	3 20	13 32	3 18	22 22	0 23	3 29	1 15	5 17	1 29	23 7	0 54	23 41	0 30	7 20	1 41	31 11	8 38	22 14	21 59	19 34		n.a.
T 5	21 50	21 1	2 27	13 56	3 8	22 36	0 26	3 45	1 15	5 15	1 29	23 7	0 54	23 41	0 30	7 20	1 42	31 11	8 38	22 15	22 0	19 36		n.a.
F 6	21 59	22 14	1 28	14 22	2 58	22 49	0 28	4 2	1 15	5 14	1 28	23 6	0 54	23 41	0 30	7 19	1 42	31 11	8 38	22 16	22 0	19 37		n.a.
S 7	22 8	22 27	0 25	14 49	2 48	23 2	0 30	4 19	1 14	5 13	1 28	23 5	0 54	23 42	0 30	7 19	1 42	31 12	8 38	22 16	22 1	19 39		n.a.
S 8	22 17	21 40	0n40	15 18	2 36	23 14	0 32	4 36	1 14	5 12	1 28	23 4	0 54	23 42	0 30	7 19	1 42	31 12	8 39	22 16	22 1	19 40		n.a.
M 9	22 25	19 52	1 44	15 48	2 25	23 25	0 35	4 52	1 14	5 10	1 27	23 3	0 54	23 42	0 30	7 19	1 42	31 12	8 39	22 16	22 2	19 42		n.a.
T 10	22 33	17 7	2 44	16 18	2 13	23 35	0 37	5 9	1 13	5 9	1 27	23 2	0 54	23 42	0 30	7 19	1 42	31 13	8 39	22 16	22 2	19 43		n.a.
W11	22 40	13 32	3 38	16 50	2 1	23 45	0 39	5 25	1 13	5 7	1 27	23 1	0 54	23 42	0 31	7 19	1 42	31 13	8 39	22 15	22 3	19 45		n.a.
T 12	22 47	9 13	4 23	17 23	1 48	23 54	0 41	5 42	1 13	5 6	1 27	23 0	0 54	23 43	0 31	7 18	1 42	31 13	8 39	22 15	22 3	19 46		n.a.
F 13	22 54	4 21	4 55	17 56	1 35	24 2	0 43	5 58	1 12	5 4	1 26	22 59	0 54	23 43	0 31	7 18	1 42	31 14	8 40	22 15	22 4	19 48		n.a.
S 14	23 0	0s54	5 11	18 29	1 23	24 10	0 45	6 14	1 12	5 2	1 26	22 58	0 54	23 43	0 31	7 18	1 42	31 14	8 40	22 16	22 4	19 49		n.a.
S 15	23 6	6 16	5 9	19 3	1 10	24 17	0 47	6 31	1 11	5 0	1 26	22 57	0 54	23 43	0 31	7 18	1 42	31 14	8 40	22 16	22 5	19 51		n.a.
M16	23 11	11 26	4 47	19 37	0 57	24 23	0 49	6 47	1 11	4 58	1 25	22 56	0 54	23 43	0 31	7 18	1 42	31 15	8 40	22 17	22 5	19 52		n.a.
T 17	23 16	16 2	4 5	20 10	0 44	24 29	0 51	7 3	1 11	4 57	1 25	22 55	0 54	23 44	0 31	7 18	1 42	31 15	8 40	22 18	22 6	19 54		n.a.
W18	23 21	19 39	3 5	20 43	0 32	24 33	0 53	7 19	1 10	4 55	1 25	22 54	0 54	23 44	0 31	7 18	1 42	31 15	8 41	22 18	22 6	19 55		n.a.
T 19	23 25	21 53	1 52	21 15	0 19	24 37	0 55	7 35	1 10	4 52	1 25	22 53	0 55	23 44	0 31	7 18	1 42	31 16	8 41	22 19	22 7	19 57		n.a.
F 20	23 29	22 30	0 32	21 46	0 7	24 41	0 57	7 50	1 9	4 50	1 24	22 52	0 55	23 44	0 31	7 18	1 43	31 16	8 41	22 19	22 7	19 58		n.a.
S 21	23 32	21 32	0s50	22 16	0n 5	24 43	0 59	8 6	1 9	4 48	1 24	22 50	0 55	23 44	0 31	7 18	1 43	31 16	8 41	22 19	22 8	19 59		n.a.
S 22	23 35	19 9	2 5	22 44	0 16	24 45	1 0	8 21	1 8	4 46	1 24	22 49	0 55	23 45	0 31	7 18	1 43	31 17	8 41	22 19	22 8	20 1		n.a.
M23	23 38	15 42	3 12	23 10	0 27	24 46	1 2	8 37	1 8	4 44	1 23	22 48	0 55	23 45	0 31	7 18	1 43	31 17	8 41	22 18	22 9	20 2		n.a.
T 24	23 40	11 31	4 5	23 35	0 37	24 46	1 4	8 52	1 7	4 41	1 23	22 47	0 55	23 45	0 31	7 18	1 43	31 17	8 42	22 18	22 9	20 4		n.a.
W25	23 42	6 55	4 43	23 57	0 47	24 46	1 5	9 8	1 7	4 39	1 23	22 46	0 55	23 45	0 31	7 18	1 43	31 18	8 42	22 18	22 10	20 5		n.a.
T 26	23 43	2 9	5 7	24 17	0 56	24 45	1 7	9 23	1 6	4 36	1 23	22 45	0 55	23 45	0 31	7 18	1 43	31 18	8 42	22 18	22 10	20 7		n.a.
F 27	23 44	2n35	5 15	24 34	1 5	24 43	1 8	9 38	1 6	4 34	1 22	22 44	0 55	23 46	0 31	7 18	1 43	31 18	8 42	22 18	22 10	20 8		n.a.
S 28	23 45	7 8	5 9	24 48	1 12	24 40	1 10	9 53	1 5	4 31	1 22	22 43	0 55	23 46	0 31	7 18	1 43	31 19	8 42	22 19	22 11	20 9		n.a.
S 29	23 45	11 21	4 49	25 0	1 19	24 37	1 11	10 8	1 5	4 29	1 22	22 41	0 55	23 46	0 31	7 19	1 43	31 19	8 42	22 19	22 11	20 11		n.a.
M30	23n44	15n 5	4s17	25n 9	1n25	24n32	1n13	10n22	1s 4	4n26	1n22	22n40	0n55	23s46	0s31	7s19	1s43	31s19	8s42	22n19	22n12	20n12		n.a.

Julian Day Number = 1561229.5, Delta T = 04h24m03s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'46, Lahiri = -10°00'46 Julian Calendar 1 June 439 BCE == Greg. Calendar 27 May 439 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

JULY 439 BCE (-438) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 13 3	2♋12'32	6♊44	0♋10	11♋39	29♈59	22♍11	23♋ 4	11°R15	15°R39	16°R41	19°R22	20♋12	16♊36	n.a.	T 1
W 2	18 17 0	3° 9'57	18°33	2°15	12°53	0♉39	22°17	23°11	11♏13	15♓38	16♏40	19♋19	20° 9	16°43	n.a.	W 2
T 3	18 20 56	4° 7'24	0♋22	4°20	14° 7	1°18	22°24	23°19	11°10	15°38	16°39	19°18	20° 5	16°50	n.a.	T 3
F 4	18 24 53	5° 4'51	12°14	6°23	15°21	1°58	22°30	23°26	11° 8	15°38	16°37	19°17	20° 2	16°56	n.a.	F 4
S 5	18 28 49	6° 2'19	24°12	8°26	16°35	2°37	22°37	23°33	11° 6	15°37	16°36	19°D17	19°59	17° 3	n.a.	S 5
S 6	18 32 46	6°59'49	6♌16	10°27	17°49	3°16	22°44	23°41	11° 3	15°37	16°35	19°17	19°56	17°10	n.a.	S 6
M 7	18 36 42	7°57'19	18°30	12°28	19° 3	3°55	22°52	23°48	11° 1	15°37	16°33	19°18	19°53	17°16	n.a.	M 7
T 8	18 40 39	8°54'51	0♍57	14°27	20°17	4°34	22°59	23°55	10°58	15°36	16°32	19°19	19°49	17°23	n.a.	T 8
W 9	18 44 36	9°52'23	13°38	16°24	21°31	5°13	23° 6	24° 3	10°56	15°36	16°31	19°20	19°46	17°30	n.a.	W 9
T 10	18 48 32	10°49'57	26°38	18°21	22°45	5°52	23°14	24°10	10°54	15°35	16°29	19°21	19°43	17°36	n.a.	T 10
F 11	18 52 29	11°47'31	9♎58	20°16	23°59	6°31	23°21	24°18	10°51	15°35	16°28	19°R21	19°40	17°43	n.a.	F 11
S 12	18 56 25	12°45'07	23°40	22° 9	25°13	7° 9	23°29	24°25	10°49	15°34	16°27	19°21	19°37	17°50	n.a.	S 12
S 13	19 0 22	13°42'44	7♏46	24° 1	26°27	7°47	23°37	24°33	10°46	15°34	16°25	19°20	19°34	17°56	n.a.	S 13
M14	19 4 18	14°40'22	22°13	25°52	27°41	8°26	23°45	24°40	10°44	15°33	16°24	19°20	19°30	18° 3	n.a.	M14
T 15	19 8 15	15°38'01	6♐58	27°41	28°56	9° 4	23°53	24°48	10°42	15°33	16°23	19°20	19°27	18°10	n.a.	T 15
W16	19 12 11	16°35'41	21°56	29°29	0♌10	9°42	24° 2	24°55	10°39	15°32	16°21	19°19	19°24	18°16	n.a.	W16
T 17	19 16 8	17°33'23	6♑59	1♌15	1°24	10°20	24°10	25° 3	10°37	15°31	16°20	19°19	19°21	18°23	n.a.	T 17
F 18	19 20 5	18°31'06	21°59	3° 0	2°38	10°58	24°18	25°10	10°35	15°30	16°19	19°D19	19°18	18°30	n.a.	F 18
S 19	19 24 1	19°28'51	6♒46	4°43	3°52	11°35	24°27	25°18	10°32	15°30	16°17	19°R19	19°15	18°36	n.a.	S 19
S 20	19 27 58	20°26'38	21°15	6°25	5° 6	12°13	24°36	25°25	10°30	15°29	16°16	19°19	19°11	18°43	n.a.	S 20
M21	19 31 54	21°24'26	5♓20	8° 6	6°20	12°50	24°45	25°33	10°27	15°28	16°15	19°19	19° 8	18°50	n.a.	M21
T 22	19 35 51	22°22'16	18°59	9°45	7°34	13°28	24°54	25°40	10°25	15°27	16°13	19°19	19° 5	18°56	n.a.	T 22
W23	19 39 47	23°20'07	2♈12	11°23	8°48	14° 5	25° 3	25°48	10°23	15°26	16°12	19°18	19° 2	19° 3	n.a.	W23
T 24	19 43 44	24°18'01	15° 1	12°59	10° 2	14°42	25°12	25°56	10°21	15°26	16°11	19°18	18°59	19°10	n.a.	T 24
F 25	19 47 40	25°15'56	27°29	14°34	11°16	15°19	25°21	26° 3	10°18	15°25	16° 9	19°D18	18°55	19°16	n.a.	F 25
S 26	19 51 37	26°13'54	9♉41	16° 8	12°30	15°55	25°31	26°11	10°16	15°24	16° 8	19°18	18°52	19°23	n.a.	S 26
S 27	19 55 34	27°11'53	21°41	17°41	13°45	16°32	25°40	26°18	10°14	15°23	16° 7	19°19	18°49	19°30	n.a.	S 27
M28	19 59 30	28° 9'55	3♊33	19°12	14°59	17° 9	25°50	26°26	10°11	15°22	16° 5	19°20	18°46	19°36	n.a.	M28
T 29	20 3 27	29° 7'59	15°21	20°41	16°13	17°45	25°59	26°34	10° 9	15°21	16° 4	19°21	18°43	19°43	n.a.	T 29
W30	20 7 23	0♌ 6'04	27°10	22°10	17°27	18°21	26° 9	26°41	10° 7	15°20	16° 3	19°21	18°40	19°50	n.a.	W30
T 31	20 11 20	1♌ 4'12	9♋ 3	23♌37	18♌41	18♉57	26♍19	26♋49	10♏ 5	15♓19	16♏ 2	19♋22	18♋36	19♊56	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n44	18n12	3s34	25n16	1n31	24n28	1n14	10n37	1s 4	4n23	1n21	22n39	0n55	23s47	0s31	7s19	1s43	31s19	8s43	22n20	22n12	20n14		n.a.
W 2	23 43	20 33	2 42	25 19	1 36	24 22	1 15	10 52	1 3	4 20	1 21	22 38	0 55	23 47	0 31	7 19	1 43	31 20	8 43	22 20	22 13	20 15		n.a.
T 3	23 41	22 2	1 43	25 20	1 39	24 15	1 17	11 6	1 3	4 17	1 21	22 37	0 55	23 47	0 31	7 19	1 43	31 20	8 43	22 20	22 13	20 16		n.a.
F 4	23 39	22 32	0 39	25 18	1 43	24 8	1 18	11 20	1 2	4 14	1 21	22 35	0 55	23 47	0 31	7 19	1 43	31 20	8 43	22 20	22 14	20 18		n.a.
S 5	23 36	22 0	0n27	25 13	1 45	24 0	1 19	11 34	1 2	4 11	1 20	22 34	0 55	23 47	0 31	7 19	1 43	31 21	8 43	22 20	22 14	20 19		n.a.
S 6	23 34	20 27	1 33	25 6	1 47	23 52	1 20	11 49	1 1	4 8	1 20	22 33	0 55	23 48	0 31	7 20	1 44	31 21	8 43	22 20	22 15	20 20		n.a.
M 7	23 30	17 56	2 35	24 57	1 48	23 42	1 21	12 2	1 0	4 5	1 20	22 32	0 55	23 48	0 31	7 20	1 44	31 21	8 43	22 20	22 15	20 22		n.a.
T 8	23 27	14 34	3 31	24 45	1 48	23 32	1 22	12 16	1 0	4 2	1 20	22 30	0 55	23 48	0 31	7 20	1 44	31 21	8 43	22 20	22 16	20 23		n.a.
W 9	23 22	10 28	4 18	24 31	1 48	23 22	1 23	12 30	0 59	3 59	1 19	22 29	0 55	23 48	0 31	7 20	1 44	31 22	8 43	22 20	22 16	20 25		n.a.
T 10	23 18	5 49	4 53	24 15	1 47	23 10	1 23	12 44	0 59	3 56	1 19	22 28	0 56	23 48	0 31	7 21	1 44	31 22	8 43	22 20	22 17	20 26		n.a.
F 11	23 13	0 48	5 13	23 57	1 46	22 58	1 24	12 57	0 58	3 52	1 19	22 27	0 56	23 49	0 31	7 21	1 44	31 22	8 44	22 20	22 17	20 27		n.a.
S 12	23 8	4s24	5 17	23 37	1 44	22 45	1 25	13 10	0 57	3 49	1 19	22 25	0 56	23 49	0 31	7 21	1 44	31 23	8 44	22 20	22 18	20 29		n.a.
S 13	23 2	9 32	5 1	23 15	1 42	22 32	1 26	13 24	0 57	3 46	1 18	22 24	0 56	23 49	0 31	7 21	1 44	31 23	8 44	22 20	22 18	20 30		n.a.
M14	22 56	14 16	4 27	22 52	1 39	22 18	1 26	13 37	0 56	3 42	1 18	22 23	0 56	23 49	0 31	7 22	1 44	31 23	8 44	22 20	22 18	20 31		n.a.
T 15	22 49	18 14	3 34	22 27	1 36	22 3	1 27	13 50	0 55	3 39	1 18	22 21	0 56	23 49	0 31	7 22	1 44	31 23	8 44	22 20	22 19	20 33		n.a.
W16	22 42	21 4	2 26	22 1	1 32	21 48	1 27	14 2	0 55	3 35	1 18	22 20	0 56	23 50	0 31	7 22	1 44	31 24	8 44	22 20	22 19	20 34		n.a.
T 17	22 35	22 26	1 8	21 34	1 28	21 31	1 27	14 15	0 54	3 32	1 17	22 19	0 56	23 50	0 31	7 23	1 44	31 24	8 44	22 20	22 20	20 35		n.a.
F 18	22 27	22 10	0s15	21 5	1 23	21 15	1 28	14 28	0 53	3 28	1 17	22 18	0 56	23 50	0 31	7 23	1 44	31 24	8 44	22 20	22 20	20 37		n.a.
S 19	22 19	20 21	1 36	20 35	1 18	20 58	1 28	14 40	0 53	3 24	1 17	22 16	0 56	23 50	0 31	7 23	1 44	31 24	8 44	22 20	22 21	20 38		n.a.
S 20	22 10	17 15	2 48	20 5	1 13	20 40	1 28	14 52	0 52	3 21	1 17	22 15	0 56	23 50	0 31	7 24	1 44	31 24	8 44	22 20	22 21	20 39		n.a.
M21	22 1	13 13	3 49	19 33	1 7	20 21	1 28	15 5	0 51	3 17	1 17	22 14	0 56	23 51	0 31	7 24	1 44	31 25	8 44	22 20	22 22	20 41		n.a.
T 22	21 52	8 37	4 34	19 1	1 1	20 2	1 28	15 17	0 51	3 13	1 16	22 12	0 56	23 51	0 31	7 24	1 44	31 25	8 44	22 20	22 22	20 42		n.a.
W23	21 42	3 45	5 4	18 28	0 55	19 42	1 28	15 29	0 50	3 9	1 16	22 11	0 56	23 51	0 31	7 25	1 45	31 25	8 44	22 20	22 23	20 43		n.a.
T 24	21 32	1n 8	5 17	17 54	0 48	19 22	1 28	15 40	0 49	3 5	1 16	22 9	0 56	23 51	0 31	7 25	1 45	31 25	8 44	22 20	22 23	20 45		n.a.
F 25	21 21	5 50	5 14	17 20	0 41	19 1	1 28	15 52	0 48	3 2	1 16	22 8	0 57	23 51	0 31	7 26	1 45	31 25	8 44	22 20	22 24	20 46		n.a.
S 26	21 11	10 12	4 58	16 45	0 34	18 40	1 28	16 3	0 48	2 58	1 15	22 7	0 57	23 52	0 31	7 26	1 45	31 26	8 44	22 20	22 24	20 47		n.a.
S 27	20 59	14 6	4 28	16 10	0 27	18 18	1 27	16 15	0 47	2 54	1 15	22 5	0 57	23 52	0 31	7 26	1 45	31 26	8 44	22 20	22 24	20 48		n.a.
M28	20 48	17 24	3 48	15 34	0 20	17 56	1 27	16 26	0 46	2 49	1 15	22 4	0 57	23 52	0 31	7 27	1 45	31 26	8 44	22 20	22 25	20 50		n.a.
T 29	20 36	19 59	2 58	14 58	0 12	17 33	1 27	16 37	0 45	2 45	1 15	22 3	0 57	23 52	0 31	7 27	1 45	31 26	8 44	22 20	22 25	20 51		n.a.
W30	20 23	21 43	2 0	14 22	0 4	17 10	1 26	16 48	0 44	2 41	1 15	22 1	0 57	23 52	0 31	7 28	1 45	31 26	8 44	22 20	22 26	20 52		n.a.
T 31	20n11	22n29	0s57	13n46	0s 4	16n46	1n25	16n59	0s44	2n37	1n14	22n 0	0n57	23s52	0s31	7s28	1s45	31s27	8s44	22n20	22n26	20n54		n.a.

Julian Day Number = 1561259.5, Delta T = 04h24m02s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'42, Lahiri = -10°00'41 Julian Calendar 1 July 439 BCE == Greg. Calendar 26 June 439 BCE

The year -438 astronomical counting style corresponds to year 439 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

AUGUST 439 BCE (-438) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 15 16	2♌ 2'21	21♋ 2	25♌ 3	19♌55	19♉33	26♍29	26♋56	10°R 3	15°R18	16°R 0	19°R22	18♋33	20♊ 3	n.a.	F 1
S 2	20 19 13	3° 0'32	3♌10	26°27	21° 9	20° 9	26°39	27° 4	10♑ 0	15♓16	15♑59	19♋22	18°30	20°10	n.a.	S 2
S 3	20 23 9	3°58'45	15°29	27°50	22°23	20°44	26°49	27°11	9°58	15°15	15°58	19°21	18°27	20°16	n.a.	S 3
M 4	20 27 6	4°57'00	27°59	29°11	23°37	21°20	26°59	27°19	9°56	15°14	15°56	19°19	18°24	20°23	n.a.	M 4
T 5	20 31 3	5°55'17	10♍42	0♍31	24°52	21°55	27°10	27°26	9°54	15°13	15°55	19°17	18°21	20°30	n.a.	T 5
W 6	20 34 59	6°53'35	23°39	1°49	26° 6	22°30	27°20	27°34	9°52	15°12	15°54	19°14	18°17	20°36	n.a.	W 6
T 7	20 38 56	7°51'55	6♎50	3° 6	27°20	23° 5	27°31	27°41	9°50	15°10	15°53	19°12	18°14	20°43	n.a.	T 7
F 8	20 42 52	8°50'17	20°16	4°21	28°34	23°40	27°41	27°49	9°48	15° 9	15°52	19°10	18°11	20°50	n.a.	F 8
S 9	20 46 49	9°48'41	3♏58	5°34	29°48	24°15	27°52	27°56	9°46	15° 8	15°50	19°D 9	18° 8	20°56	n.a.	S 9
S 10	20 50 45	10°47'06	17°55	6°46	1♍ 2	24°49	28° 3	28° 4	9°44	15° 7	15°49	19° 9	18° 5	21° 3	n.a.	S 10
M11	20 54 42	11°45'33	2♐ 7	7°56	2°16	25°23	28°14	28°11	9°42	15° 5	15°48	19°10	18° 1	21°10	n.a.	M11
T 12	20 58 38	12°44'01	16°32	9° 3	3°30	25°58	28°25	28°19	9°40	15° 4	15°47	19°11	17°58	21°16	n.a.	T 12
W13	21 2 35	13°42'32	1♑ 7	10° 9	4°44	26°32	28°36	28°26	9°38	15° 3	15°46	19°13	17°55	21°23	n.a.	W13
T 14	21 6 32	14°41'04	15°47	11°12	5°58	27° 5	28°47	28°34	9°37	15° 1	15°45	19°R14	17°52	21°30	n.a.	T 14
F 15	21 10 28	15°39'38	0♒27	12°13	7°12	27°39	28°58	28°41	9°35	15° 0	15°43	19°13	17°49	21°36	n.a.	F 15
S 16	21 14 25	16°38'14	15° 0	13°11	8°26	28°12	29° 9	28°48	9°33	14°58	15°42	19°12	17°46	21°43	n.a.	S 16
S 17	21 18 21	17°36'52	29°21	14° 7	9°40	28°46	29°21	28°56	9°31	14°57	15°41	19° 8	17°42	21°49	n.a.	S 17
M18	21 22 18	18°35'32	13♓22	14°59	10°55	29°19	29°32	29° 3	9°30	14°55	15°40	19° 4	17°39	21°56	n.a.	M18
T 19	21 26 14	19°34'15	27° 2	15°49	12° 9	29°51	29°43	29°10	9°28	14°54	15°39	19° 0	17°36	22° 3	n.a.	T 19
W20	21 30 11	20°32'59	10♈17	16°35	13°23	0♊24	29°55	29°17	9°26	14°52	15°38	18°55	17°33	22° 9	n.a.	W20
T 21	21 34 7	21°31'46	23° 9	17°17	14°37	0°57	0♎ 7	29°25	9°25	14°51	15°37	18°51	17°30	22°16	n.a.	T 21
F 22	21 38 4	22°30'35	5♉40	17°56	15°51	1°29	0°18	29°32	9°23	14°49	15°36	18°48	17°27	22°23	n.a.	F 22
S 23	21 42 1	23°29'27	17°53	18°30	17° 5	2° 1	0°30	29°39	9°22	14°48	15°35	18°47	17°23	22°29	n.a.	S 23
S 24	21 45 57	24°28'21	29°53	19° 0	18°19	2°33	0°42	29°46	9°20	14°46	15°34	18°D47	17°20	22°36	n.a.	S 24
M25	21 49 54	25°27'18	11♊45	19°24	19°32	3° 4	0°54	29°53	9°19	14°45	15°33	18°48	17°17	22°43	n.a.	M25
T 26	21 53 50	26°26'17	23°34	19°44	20°46	3°36	1° 6	0♌ 0	9°17	14°43	15°32	18°49	17°14	22°49	n.a.	T 26
W27	21 57 47	27°25'18	5♋24	19°57	22° 0	4° 7	1°17	0° 7	9°16	14°42	15°31	18°51	17°11	22°56	n.a.	W27
T 28	22 1 43	28°24'22	17°21	20° 4	23°14	4°38	1°30	0°14	9°15	14°40	15°30	18°R52	17° 7	23° 3	n.a.	T 28
F 29	22 5 40	29°23'28	29°27	20°R 5	24°28	5° 9	1°42	0°21	9°13	14°38	15°29	18°51	17° 4	23° 9	n.a.	F 29
S 30	22 9 36	0♍22'36	11♌47	19°59	25°42	5°39	1°54	0°28	9°12	14°37	15°28	18°49	17° 1	23°16	n.a.	S 30
S 31	22 13 33	1♍21'47	24♌21	19♍45	26♍56	6♊10	2♎ 6	0♌35	9♑11	14♓35	15♑27	18♋44	16♋58	23♊23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n58	22n14	0n 9	13n 9	0s12	16n22	1n25	17n10	0s43	2n33	1n14	21n58	0n57	23s53	0s31	7s29	1s45	31s27	8s44	22n20	22n27	20n55		n.a.
S 2	19 44	20 56	1 16	12 33	0 20	15 57	1 24	17 20	0 42	2 29	1 14	21 57	0 57	23 53	0 31	7 29	1 45	31 27	8 44	22 20	22 27	20 56		n.a.
S 3	19 30	18 37	2 20	11 56	0 29	15 32	1 23	17 30	0 41	2 24	1 14	21 56	0 57	23 53	0 31	7 30	1 45	31 27	8 44	22 20	22 28	20 57		n.a.
M 4	19 16	15 25	3 18	11 20	0 37	15 7	1 22	17 41	0 40	2 20	1 14	21 54	0 57	23 53	0 31	7 30	1 45	31 27	8 44	22 20	22 28	20 59		n.a.
T 5	19 2	11 27	4 7	10 43	0 46	14 41	1 22	17 51	0 39	2 16	1 14	21 53	0 57	23 53	0 31	7 31	1 45	31 27	8 44	22 20	22 28	21 0		n.a.
W 6	18 47	6 54	4 45	10 7	0 54	14 15	1 21	18 1	0 39	2 11	1 13	21 51	0 58	23 53	0 31	7 31	1 45	31 27	8 44	22 21	22 29	21 1		n.a.
T 7	18 32	1 58	5 8	9 31	1 3	13 48	1 20	18 11	0 38	2 7	1 13	21 50	0 58	23 53	0 31	7 32	1 45	31 28	8 44	22 21	22 29	21 2		n.a.
F 8	18 17	3s 9	5 15	8 56	1 12	13 21	1 18	18 20	0 37	2 3	1 13	21 49	0 58	23 54	0 31	7 32	1 45	31 28	8 44	22 21	22 30	21 4		n.a.
S 9	18 1	8 13	5 5	8 20	1 21	12 53	1 17	18 30	0 36	1 58	1 13	21 47	0 58	23 54	0 31	7 33	1 45	31 28	8 44	22 22	22 30	21 5		n.a.
S 10	17 45	12 58	4 37	7 45	1 29	12 26	1 16	18 39	0 35	1 54	1 13	21 46	0 58	23 54	0 31	7 33	1 45	31 28	8 44	22 22	22 31	21 6		n.a.
M11	17 29	17 5	3 51	7 11	1 38	11 58	1 15	18 48	0 34	1 49	1 12	21 44	0 58	23 54	0 31	7 34	1 45	31 28	8 44	22 21	22 31	21 7		n.a.
T 12	17 12	20 14	2 50	6 38	1 47	11 29	1 13	18 57	0 33	1 45	1 12	21 43	0 58	23 54	0 31	7 34	1 45	31 28	8 44	22 21	22 31	21 9		n.a.
W13	16 55	22 6	1 38	6 5	1 56	11 1	1 12	19 6	0 32	1 40	1 12	21 41	0 58	23 54	0 31	7 35	1 45	31 28	8 44	22 21	22 32	21 10		n.a.
T 14	16 38	22 29	0 19	5 32	2 5	10 32	1 10	19 15	0 31	1 35	1 12	21 40	0 58	23 54	0 31	7 36	1 46	31 28	8 44	22 21	22 32	21 11		n.a.
F 15	16 21	21 19	1s 1	5 1	2 13	10 2	1 9	19 24	0 30	1 31	1 12	21 39	0 58	23 55	0 31	7 36	1 46	31 28	8 44	22 21	22 33	21 12		n.a.
S 16	16 3	18 43	2 17	4 31	2 22	9 33	1 7	19 32	0 29	1 26	1 12	21 37	0 59	23 55	0 31	7 37	1 46	31 29	8 44	22 21	22 33	21 13		n.a.
S 17	15 45	15 0	3 23	4 1	2 30	9 3	1 6	19 41	0 28	1 21	1 11	21 36	0 59	23 55	0 31	7 37	1 46	31 29	8 44	22 22	22 34	21 15		n.a.
M18	15 27	10 31	4 14	3 33	2 38	8 33	1 4	19 49	0 27	1 17	1 11	21 34	0 59	23 55	0 31	7 38	1 46	31 29	8 44	22 22	22 34	21 16		n.a.
T 19	15 8	5 37	4 50	3 7	2 46	8 3	1 2	19 57	0 26	1 12	1 11	21 33	0 59	23 55	0 31	7 39	1 46	31 29	8 44	22 23	22 34	21 17		n.a.
W20	14 50	0 36	5 9	2 42	2 54	7 32	1 0	20 5	0 25	1 7	1 11	21 31	0 59	23 55	0 31	7 39	1 46	31 29	8 44	22 24	22 35	21 18		n.a.
T 21	14 31	4n17	5 12	2 18	3 1	7 2	0 58	20 13	0 24	1 2	1 11	21 30	0 59	23 55	0 31	7 40	1 46	31 29	8 44	22 24	22 35	21 19		n.a.
F 22	14 11	8 53	4 59	1 57	3 9	6 31	0 56	20 21	0 23	0 57	1 11	21 29	0 59	23 55	0 31	7 40	1 46	31 29	8 43	22 25	22 36	21 21		n.a.
S 23	13 52	13 1	4 33	1 37	3 15	6 0	0 54	20 28	0 22	0 53	1 11	21 27	0 59	23 55	0 31	7 41	1 46	31 29	8 43	22 25	22 36	21 22		n.a.
S 24	13 32	16 33	3 56	1 20	3 21	5 29	0 52	20 36	0 21	0 48	1 10	21 26	0 59	23 56	0 31	7 42	1 46	31 29	8 43	22 25	22 36	21 23		n.a.
M25	13 12	19 22	3 9	1 5	3 27	4 57	0 50	20 43	0 20	0 43	1 10	21 24	1 0	23 56	0 31	7 42	1 46	31 29	8 43	22 25	22 37	21 24		n.a.
T 26	12 52	21 22	2 14	0 52	3 32	4 26	0 48	20 50	0 19	0 38	1 10	21 23	1 0	23 56	0 31	7 43	1 46	31 29	8 43	22 24	22 37	21 25		n.a.
W27	12 31	22 25	1 13	0 43	3 36	3 54	0 46	20 57	0 18	0 33	1 10	21 22	1 0	23 56	0 31	7 44	1 46	31 29	8 43	22 24	22 38	21 27		n.a.
T 28	12 11	22 28	0 8	0 37	3 40	3 23	0 43	21 4	0 17	0 28	1 10	21 20	1 0	23 56	0 31	7 44	1 46	31 29	8 43	22 24	22 38	21 28		n.a.
F 29	11 50	21 28	0n57	0 35	3 42	2 51	0 41	21 11	0 16	0 23	1 10	21 19	1 0	23 56	0 31	7 45	1 46	31 29	8 43	22 24	22 38	21 29		n.a.
S 30	11 29	19 25	2 1	0 36	3 43	2 19	0 39	21 17	0 14	0 18	1 10	21 17	1 0	23 56	0 31	7 46	1 46	31 29	8 43	22 24	22 39	21 30		n.a.
S 31	11n 8	16n24	3n 0	0n42	3s43	1n47	0n36	21n24	0s13	0n13	1n10	21n16	1n 0	23s56	0s31	7s46	1s46	31s29	8s43	22n25	22n39	21n31		n.a.

Julian Day Number = 1561290.5, Delta T = 04h24m00s
Ecliptic obliquity = 23°44'51, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'38, Lahiri = -10°00'37 Julian Calendar 1 Aug. 439 BCE == Greg. Calendar 27 July 439 BCE

The year -438 astronomical counting style corresponds to year 439 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

SEPTEMBER 439 BCE (-438) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 17 29	2♍20'59	7♍11	19°R24	28♍10	6♊40	2♎18	0♌42	9°R10	14°R34	15°R27	18°R38	16♋55	23♊29	n.a.	M 1
T 2	22 21 26	3°20'14	20°17	18♍54	29°24	7° 9	2°31	0°49	9♉ 9	14♓32	15♉26	18♋30	16°52	23°36	n.a.	T 2
W 3	22 25 23	4°19'31	3♎37	18°17	0♎38	7°39	2°43	0°56	9° 8	14°30	15°25	18°22	16°48	23°43	n.a.	W 3
T 4	22 29 19	5°18'50	17°10	17°33	1°52	8° 8	2°55	1° 2	9° 7	14°29	15°24	18°15	16°45	23°49	n.a.	T 4
F 5	22 33 16	6°18'11	0♏53	16°41	3° 6	8°37	3° 8	1° 9	9° 6	14°27	15°23	18° 9	16°42	23°56	n.a.	F 5
S 6	22 37 12	7°17'33	14°45	15°42	4°20	9° 6	3°20	1°16	9° 5	14°25	15°23	18° 4	16°39	24° 3	n.a.	S 6
S 7	22 41 9	8°16'58	28°44	14°38	5°33	9°34	3°33	1°22	9° 4	14°24	15°22	18° 2	16°36	24° 9	n.a.	S 7
M 8	22 45 5	9°16'25	12♐49	13°30	6°47	10° 2	3°45	1°29	9° 3	14°22	15°21	18°D 2	16°32	24°16	n.a.	M 8
T 9	22 49 2	10°15'53	26°59	12°18	8° 1	10°30	3°58	1°35	9° 2	14°20	15°21	18° 2	16°29	24°23	n.a.	T 9
W10	22 52 58	11°15'23	11♑12	11° 6	9°15	10°58	4°11	1°42	9° 2	14°19	15°20	18°R 3	16°26	24°29	n.a.	W10
T 11	22 56 55	12°14'56	25°26	9°55	10°29	11°25	4°23	1°48	9° 1	14°17	15°19	18° 3	16°23	24°36	n.a.	T 11
F 12	23 0 52	13°14'30	9♒39	8°48	11°42	11°52	4°36	1°54	9° 0	14°15	15°19	18° 1	16°20	24°43	n.a.	F 12
S 13	23 4 48	14°14'06	23°48	7°45	12°56	12°19	4°49	2° 1	9° 0	14°14	15°18	17°57	16°17	24°49	n.a.	S 13
S 14	23 8 45	15°13'44	7♓47	6°49	14°10	12°45	5° 2	2° 7	8°59	14°12	15°18	17°50	16°13	24°56	n.a.	S 14
M15	23 12 41	16°13'24	21°34	6° 2	15°24	13°11	5°15	2°13	8°59	14°10	15°17	17°41	16°10	25° 3	n.a.	M15
T 16	23 16 38	17°13'06	5♈ 3	5°25	16°37	13°37	5°28	2°19	8°58	14° 9	15°17	17°31	16° 7	25° 9	n.a.	T 16
W17	23 20 34	18°12'50	18°13	4°58	17°51	14° 3	5°40	2°25	8°58	14° 7	15°16	17°20	16° 4	25°16	n.a.	W17
T 18	23 24 31	19°12'37	1♉ 2	4°42	19° 5	14°28	5°53	2°31	8°57	14° 5	15°16	17°10	16° 1	25°23	n.a.	T 18
F 19	23 28 27	20°12'26	13°33	4°D38	20°18	14°53	6° 6	2°37	8°57	14° 4	15°15	17° 2	15°58	25°29	n.a.	F 19
S 20	23 32 24	21°12'17	25°46	4°45	21°32	15°17	6°19	2°43	8°57	14° 2	15°15	16°57	15°54	25°36	n.a.	S 20
S 21	23 36 20	22°12'10	7♊46	5° 2	22°45	15°41	6°32	2°49	8°57	14° 0	15°15	16°53	15°51	25°42	n.a.	S 21
M22	23 40 17	23°12'06	19°37	5°30	23°59	16° 5	6°46	2°55	8°57	13°59	15°14	16°D52	15°48	25°49	n.a.	M22
T 23	23 44 14	24°12'04	1♋26	6° 7	25°13	16°28	6°59	3° 0	8°56	13°57	15°14	16°52	15°45	25°56	n.a.	T 23
W24	23 48 10	25°12'05	13°16	6°53	26°26	16°51	7°12	3° 6	8°D56	13°55	15°14	16°R53	15°42	26° 2	n.a.	W24
T 25	23 52 7	26°12'08	25°14	7°46	27°40	17°14	7°25	3°11	8°56	13°54	15°13	16°53	15°38	26° 9	n.a.	T 25
F 26	23 56 3	27°12'13	7♌25	8°46	28°53	17°36	7°38	3°17	8°56	13°52	15°13	16°51	15°35	26°16	n.a.	F 26
S 27	0 0 0	28°12'20	19°52	9°53	0♏ 7	17°57	7°51	3°22	8°57	13°50	15°13	16°46	15°32	26°22	n.a.	S 27
S 28	0 3 56	29°12'29	2♍39	11° 4	1°20	18°19	8° 4	3°28	8°57	13°49	15°13	16°39	15°29	26°29	n.a.	S 28
M29	0 7 53	0♎12'41	15°47	12°20	2°34	18°40	8°18	3°33	8°57	13°47	15°13	16°29	15°26	26°36	n.a.	M29
T 30	0 11 49	1♎12'54	29♍15	13♍40	3♏47	19♊ 0	8♎31	3♌38	8♉57	13♓46	15♉12	16♋18	15♋23	26♊42	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n46	12n33	3n52	0n51	3s42	1n15	0n34	21n30	0s12	0n 8	1n 9	21n15	1n 0	23s56	0s31	7s47	1s46	31s29	8s43	22n26	22n40	21n32		n.a.
T 2	10 25	8 3	4 32	1 5	3 39	0 43	0 31	21 36	0 11	0 3	1 9	21 13	1 1	23 56	0 31	7 48	1 46	31 29	8 42	22 27	22 40	21 33		n.a.
W 3	10 3	3 5	4 58	1 24	3 35	0 11	0 29	21 42	0 10	0s 2	1 9	21 12	1 1	23 56	0 31	7 48	1 46	31 29	8 42	22 28	22 41	21 35		n.a.
T 4	9 41	2s 6	5 8	1 48	3 28	0s21	0 26	21 48	0 8	0 7	1 9	21 10	1 1	23 56	0 31	7 49	1 46	31 29	8 42	22 29	22 41	21 36		n.a.
F 5	9 19	7 15	5 0	2 16	3 20	0 53	0 24	21 54	0 7	0 12	1 9	21 9	1 1	23 56	0 31	7 50	1 46	31 29	8 42	22 30	22 41	21 37		n.a.
S 6	8 57	12 5	4 35	2 48	3 10	1 25	0 21	22 0	0 6	0 18	1 9	21 8	1 1	23 56	0 31	7 50	1 46	31 29	8 42	22 31	22 42	21 38		n.a.
S 7	8 34	16 20	3 54	3 24	2 57	1 57	0 18	22 6	0 5	0 23	1 9	21 6	1 1	23 56	0 31	7 51	1 46	31 29	8 42	22 31	22 42	21 39		n.a.
M 8	8 12	19 41	2 58	4 4	2 43	2 29	0 16	22 11	0 3	0 28	1 9	21 5	1 1	23 57	0 31	7 52	1 46	31 29	8 42	22 31	22 43	21 40		n.a.
T 9	7 49	21 52	1 51	4 46	2 27	3 1	0 13	22 17	0 2	0 33	1 8	21 4	1 2	23 57	0 31	7 52	1 46	31 29	8 42	22 31	22 43	21 41		n.a.
W10	7 26	22 39	0 37	5 30	2 10	3 33	0 10	22 22	0 1	0 38	1 8	21 2	1 2	23 57	0 31	7 53	1 46	31 29	8 41	22 31	22 43	21 42		n.a.
T 11	7 3	21 58	0s40	6 14	1 51	4 5	0 7	22 27	0n 1	0 43	1 8	21 1	1 2	23 57	0 30	7 53	1 46	31 29	8 41	22 31	22 44	21 43		n.a.
F 12	6 40	19 53	1 53	6 58	1 31	4 37	0 5	22 32	0 2	0 49	1 8	21 0	1 2	23 57	0 30	7 54	1 46	31 29	8 41	22 31	22 44	21 45		n.a.
S 13	6 17	16 34	2 59	7 41	1 11	5 9	0 2	22 37	0 3	0 54	1 8	20 59	1 2	23 57	0 30	7 55	1 46	31 29	8 41	22 32	22 44	21 46		n.a.
S 14	5 54	12 22	3 54	8 21	0 50	5 40	0s 1	22 42	0 5	0 59	1 8	20 57	1 2	23 57	0 30	7 55	1 46	31 29	8 41	22 33	22 45	21 47		n.a.
M15	5 30	7 34	4 34	8 57	0 30	6 12	0 4	22 47	0 6	1 4	1 8	20 56	1 2	23 57	0 30	7 56	1 46	31 29	8 41	22 34	22 45	21 48		n.a.
T 16	5 7	2 30	4 57	9 29	0 11	6 43	0 7	22 51	0 8	1 10	1 8	20 55	1 3	23 57	0 30	7 57	1 46	31 28	8 41	22 35	22 46	21 49		n.a.
W17	4 43	2n33	5 4	9 56	0n 8	7 15	0 10	22 56	0 9	1 15	1 8	20 54	1 3	23 57	0 30	7 57	1 46	31 28	8 40	22 36	22 46	21 50		n.a.
T 18	4 19	7 22	4 55	10 19	0 26	7 46	0 13	23 0	0 10	1 20	1 8	20 52	1 3	23 57	0 30	7 58	1 46	31 28	8 40	22 38	22 46	21 51		n.a.
F 19	3 56	11 46	4 33	10 35	0 42	8 17	0 16	23 4	0 12	1 25	1 8	20 51	1 3	23 57	0 30	7 59	1 46	31 28	8 40	22 39	22 47	21 52		n.a.
S 20	3 32	15 36	3 58	10 47	0 57	8 47	0 19	23 9	0 13	1 31	1 7	20 50	1 3	23 57	0 30	7 59	1 46	31 28	8 40	22 39	22 47	21 53		n.a.
S 21	3 8	18 43	3 13	10 52	1 10	9 18	0 22	23 13	0 15	1 36	1 7	20 49	1 3	23 57	0 30	8 0	1 46	31 28	8 40	22 40	22 48	21 54		n.a.
M22	2 44	21 1	2 20	10 53	1 22	9 48	0 25	23 17	0 17	1 41	1 7	20 47	1 4	23 57	0 30	8 1	1 46	31 28	8 40	22 40	22 48	21 55		n.a.
T 23	2 20	22 23	1 21	10 49	1 32	10 18	0 28	23 21	0 18	1 47	1 7	20 46	1 4	23 57	0 30	8 1	1 46	31 28	8 40	22 40	22 48	21 56		n.a.
W24	1 56	22 45	0 19	10 40	1 41	10 48	0 31	23 25	0 20	1 52	1 7	20 45	1 4	23 57	0 30	8 2	1 46	31 28	8 39	22 40	22 49	21 57		n.a.
T 25	1 32	22 5	0n44	10 26	1 48	11 18	0 34	23 29	0 21	1 57	1 7	20 44	1 4	23 57	0 30	8 3	1 46	31 27	8 39	22 40	22 49	21 58		n.a.
F 26	1 8	20 23	1 47	10 9	1 54	11 47	0 37	23 32	0 23	2 3	1 7	20 43	1 4	23 57	0 30	8 3	1 46	31 27	8 39	22 40	22 49	21 59		n.a.
S 27	0 43	17 40	2 46	9 48	1 59	12 16	0 40	23 36	0 25	2 8	1 7	20 42	1 4	23 57	0 30	8 4	1 46	31 27	8 39	22 41	22 50	22 0		n.a.
S 28	0 19	14 2	3 38	9 24	2 3	12 45	0 42	23 40	0 26	2 13	1 7	20 41	1 5	23 57	0 30	8 5	1 46	31 27	8 39	22 42	22 50	22 1		n.a.
M29	0s 5	9 39	4 20	8 56	2 5	13 14	0 45	23 43	0 28	2 19	1 7	20 40	1 5	23 57	0 30	8 5	1 46	31 27	8 39	22 43	22 51	22 2		n.a.
T 30	0s29	4n42	4n48	8n26	2n 6	13s42	0s48	23n47	0n30	2s24	1n 7	20n38	1n 5	23s57	0s30	8s 6	1s46	31s27	8s38	22n44	22n51	22n 3		n.a.

Julian Day Number = 1561321.5, Delta T = 04h23m59s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'33, Lahiri = -10°00'33 Julian Calendar 1 Sept. 439 BCE == Greg. Calendar 27 Aug. 439 BCE

The year -438 astronomical counting style corresponds to year 439 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

OCTOBER 439 BCE (-438) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 15 46	2♎13'09	13♎ 1	15♍ 4	5♏ 1	19♊20	8♎44	3♌43	8♑58	13°R44	15°R12	16°R 5	15♋19	26♊49	n.a.	W 1
T 2	0 19 43	3°13'26	27° 1	16°30	6°14	19°40	8°57	3°48	8°58	13♓42	15♑12	15♋53	15°16	26°56	n.a.	T 2
F 3	0 23 39	4°13'45	11♏10	17°58	7°27	19°59	9°11	3°53	8°58	13°41	15°12	15°43	15°13	27° 2	n.a.	F 3
S 4	0 27 36	5°14'06	25°24	19°29	8°41	20°17	9°24	3°58	8°59	13°39	15°D12	15°35	15°10	27° 9	n.a.	S 4
S 5	0 31 32	6°14'28	9♐38	21° 1	9°54	20°36	9°37	4° 3	8°59	13°38	15°12	15°31	15° 7	27°16	n.a.	S 5
M 6	0 35 29	7°14'52	23°49	22°34	11° 7	20°53	9°50	4° 8	9° 0	13°36	15°12	15°29	15° 3	27°22	n.a.	M 6
T 7	0 39 25	8°15'17	7♑56	24° 8	12°21	21°10	10° 4	4°12	9° 1	13°35	15°12	15°28	15° 0	27°29	n.a.	T 7
W 8	0 43 22	9°15'44	21°57	25°43	13°34	21°27	10°17	4°17	9° 1	13°33	15°12	15°28	14°57	27°36	n.a.	W 8
T 9	0 47 18	10°16'13	5♒53	27°18	14°47	21°43	10°30	4°21	9° 2	13°32	15°12	15°27	14°54	27°42	n.a.	T 9
F 10	0 51 15	11°16'42	19°42	28°54	16° 0	21°59	10°44	4°26	9° 3	13°30	15°13	15°24	14°51	27°49	n.a.	F 10
S 11	0 55 11	12°17'13	3♓24	0♎30	17°13	22°14	10°57	4°30	9° 4	13°29	15°13	15°18	14°48	27°56	n.a.	S 11
S 12	0 59 8	13°17'46	16°58	2° 7	18°27	22°28	11°10	4°34	9° 4	13°28	15°13	15° 9	14°44	28° 2	n.a.	S 12
M13	1 3 5	14°18'20	0♈20	3°43	19°40	22°42	11°24	4°38	9° 5	13°26	15°13	14°57	14°41	28° 9	n.a.	M13
T 14	1 7 1	15°18'55	13°30	5°20	20°53	22°55	11°37	4°43	9° 6	13°25	15°13	14°44	14°38	28°15	n.a.	T 14
W15	1 10 58	16°19'33	26°26	6°56	22° 6	23° 8	11°50	4°46	9° 7	13°23	15°14	14°30	14°35	28°22	n.a.	W15
T 16	1 14 54	17°20'11	9♉ 5	8°33	23°19	23°20	12° 3	4°50	9° 9	13°22	15°14	14°17	14°32	28°29	n.a.	T 16
F 17	1 18 51	18°20'52	21°29	10° 9	24°32	23°32	12°17	4°54	9°10	13°21	15°14	14° 6	14°29	28°35	n.a.	F 17
S 18	1 22 47	19°21'34	3♊39	11°45	25°45	23°43	12°30	4°58	9°11	13°19	15°15	13°57	14°25	28°42	n.a.	S 18
S 19	1 26 44	20°22'18	15°37	13°21	26°57	23°53	12°43	5° 1	9°12	13°18	15°15	13°52	14°22	28°49	n.a.	S 19
M20	1 30 40	21°23'04	27°27	14°57	28°10	24° 3	12°56	5° 5	9°13	13°17	15°15	13°49	14°19	28°55	n.a.	M20
T 21	1 34 37	22°23'51	9♋14	16°33	29°23	24°12	13°10	5° 8	9°15	13°16	15°16	13°D48	14°16	29° 2	n.a.	T 21
W22	1 38 34	23°24'40	21° 3	18° 9	0♐36	24°20	13°23	5°12	9°16	13°14	15°16	13°R48	14°13	29° 9	n.a.	W22
T 23	1 42 30	24°25'31	3♌ 0	19°44	1°49	24°28	13°36	5°15	9°17	13°13	15°17	13°48	14° 9	29°15	n.a.	T 23
F 24	1 46 27	25°26'23	15°10	21°19	3° 1	24°34	13°49	5°18	9°19	13°12	15°17	13°46	14° 6	29°22	n.a.	F 24
S 25	1 50 23	26°27'17	27°38	22°54	4°14	24°41	14° 3	5°21	9°20	13°11	15°18	13°42	14° 3	29°29	n.a.	S 25
S 26	1 54 20	27°28'13	10♍29	24°29	5°26	24°46	14°16	5°24	9°22	13°10	15°18	13°36	14° 0	29°35	n.a.	S 26
M27	1 58 16	28°29'09	23°45	26° 4	6°39	24°51	14°29	5°27	9°24	13° 9	15°19	13°27	13°57	29°42	n.a.	M27
T 28	2 2 13	29°30'08	7♎27	27°39	7°52	24°55	14°42	5°30	9°25	13° 8	15°20	13°16	13°54	29°49	n.a.	T 28
W29	2 6 9	0♏31'07	21°33	29°14	9° 4	24°58	14°55	5°32	9°27	13° 7	15°20	13° 4	13°50	29°55	n.a.	W29
T 30	2 10 6	1°32'08	5♏57	0♏48	10°16	25° 0	15° 8	5°35	9°29	13° 6	15°21	12°52	13°47	0♋ 2	n.a.	T 30
F 31	2 14 3	2♏33'09	20♏33	2♏23	11♐29	25♊ 2	15♎21	5♌37	9♑31	13♓ 5	15♑22	12♋42	13♋44	0♋ 9	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	0s54	0s36	5n 1	7n54	2n 7	14s10	0s51	23n50	0n31	2s29	1n 7	20n37	1n 5	23s56	0s30	8s 6	1s46	31s27	8s38	22n46	22n51	22n 4		n.a.
T 2	1 18	5 57	4 55	7 20	2 6	14 37	0 54	23 53	0 33	2 35	1 7	20 36	1 5	23 56	0 30	8 7	1 46	31 26	8 38	22 47	22 52	22 5		n.a.
F 3	1 42	11 4	4 32	6 44	2 5	15 5	0 57	23 57	0 35	2 40	1 7	20 35	1 5	23 56	0 30	8 8	1 46	31 26	8 38	22 49	22 52	22 6		n.a.
S 4	2 6	15 36	3 52	6 6	2 3	15 31	1 0	24 0	0 37	2 45	1 7	20 34	1 6	23 56	0 30	8 8	1 46	31 26	8 38	22 49	22 52	22 7		n.a.
S 5	2 31	19 15	2 57	5 27	2 1	15 58	1 3	24 3	0 39	2 51	1 6	20 33	1 6	23 56	0 30	8 9	1 46	31 26	8 38	22 50	22 53	22 8		n.a.
M 6	2 55	21 44	1 52	4 48	1 58	16 24	1 6	24 6	0 40	2 56	1 6	20 32	1 6	23 56	0 30	8 9	1 46	31 26	8 37	22 50	22 53	22 9		n.a.
T 7	3 19	22 51	0 40	4 7	1 55	16 50	1 9	24 9	0 42	3 1	1 6	20 31	1 6	23 56	0 30	8 10	1 46	31 26	8 37	22 50	22 53	22 10		n.a.
W 8	3 43	22 30	0s34	3 25	1 51	17 15	1 11	24 12	0 44	3 6	1 6	20 31	1 6	23 56	0 30	8 10	1 46	31 25	8 37	22 50	22 54	22 11		n.a.
T 9	4 7	20 45	1 46	2 43	1 46	17 40	1 14	24 15	0 46	3 12	1 6	20 30	1 7	23 56	0 30	8 11	1 46	31 25	8 37	22 50	22 54	22 12		n.a.
F 10	4 31	17 47	2 50	2 0	1 42	18 4	1 17	24 18	0 48	3 17	1 6	20 29	1 7	23 56	0 30	8 11	1 46	31 25	8 37	22 51	22 55	22 13		n.a.
S 11	4 55	13 52	3 44	1 16	1 37	18 28	1 20	24 21	0 50	3 22	1 6	20 28	1 7	23 56	0 30	8 12	1 46	31 25	8 37	22 51	22 55	22 14		n.a.
S 12	5 19	9 16	4 25	0 33	1 31	18 51	1 22	24 24	0 52	3 28	1 6	20 27	1 7	23 56	0 30	8 13	1 46	31 25	8 36	22 53	22 55	22 15		n.a.
M13	5 43	4 18	4 50	0s11	1 26	19 14	1 25	24 27	0 54	3 33	1 6	20 26	1 7	23 56	0 30	8 13	1 46	31 25	8 36	22 54	22 56	22 16		n.a.
T 14	6 6	0n48	5 0	0 55	1 20	19 37	1 28	24 30	0 56	3 38	1 6	20 25	1 8	23 56	0 30	8 14	1 46	31 24	8 36	22 55	22 56	22 17		n.a.
W15	6 30	5 46	4 54	1 39	1 14	19 59	1 30	24 32	0 58	3 44	1 6	20 25	1 8	23 56	0 30	8 14	1 46	31 24	8 36	22 57	22 56	22 18		n.a.
T 16	6 54	10 24	4 33	2 23	1 8	20 20	1 33	24 35	1 1	3 49	1 6	20 24	1 8	23 55	0 30	8 15	1 46	31 24	8 36	22 58	22 57	22 19		n.a.
F 17	7 17	14 31	3 59	3 7	1 2	20 41	1 35	24 38	1 3	3 54	1 6	20 23	1 8	23 55	0 30	8 15	1 46	31 24	8 36	22 59	22 57	22 20		n.a.
S 18	7 40	17 57	3 15	3 51	0 56	21 1	1 37	24 41	1 5	3 59	1 6	20 22	1 8	23 55	0 30	8 16	1 46	31 24	8 35	23 0	22 57	22 21		n.a.
S 19	8 4	20 35	2 23	4 35	0 49	21 21	1 40	24 43	1 7	4 5	1 6	20 22	1 9	23 55	0 30	8 16	1 46	31 23	8 35	23 1	22 58	22 22		n.a.
M20	8 27	22 18	1 26	5 18	0 43	21 40	1 42	24 46	1 9	4 10	1 6	20 21	1 9	23 55	0 30	8 16	1 46	31 23	8 35	23 1	22 58	22 22		n.a.
T 21	8 50	23 1	0 24	6 2	0 36	21 59	1 44	24 49	1 12	4 15	1 6	20 20	1 9	23 55	0 30	8 17	1 46	31 23	8 35	23 1	22 58	22 23		n.a.
W22	9 12	22 43	0n38	6 45	0 30	22 16	1 47	24 51	1 14	4 20	1 6	20 20	1 9	23 55	0 30	8 17	1 46	31 23	8 35	23 1	22 59	22 24		n.a.
T 23	9 35	21 22	1 40	7 27	0 23	22 34	1 49	24 54	1 16	4 25	1 6	20 19	1 9	23 55	0 30	8 18	1 46	31 22	8 35	23 1	22 59	22 25		n.a.
F 24	9 58	19 1	2 38	8 10	0 17	22 51	1 51	24 57	1 19	4 31	1 6	20 19	1 10	23 55	0 30	8 18	1 46	31 22	8 34	23 2	22 59	22 26		n.a.
S 25	10 20	15 44	3 30	8 52	0 10	23 7	1 53	24 59	1 21	4 36	1 6	20 18	1 10	23 54	0 30	8 19	1 45	31 22	8 34	23 2	23 0	22 27		n.a.
S 26	10 42	11 38	4 13	9 33	0 3	23 22	1 55	25 2	1 23	4 41	1 6	20 18	1 10	23 54	0 30	8 19	1 45	31 22	8 34	23 3	23 0	22 28		n.a.
M27	11 4	6 51	4 44	10 15	0s 3	23 37	1 57	25 4	1 26	4 46	1 6	20 17	1 10	23 54	0 30	8 19	1 45	31 21	8 34	23 3	23 0	22 29		n.a.
T 28	11 26	1 36	5 0	10 55	0 10	23 51	1 59	25 7	1 28	4 51	1 6	20 17	1 10	23 54	0 30	8 20	1 45	31 21	8 34	23 5	23 1	22 30		n.a.
W29	11 48	3s54	4 58	11 36	0 16	24 5	2 0	25 10	1 31	4 56	1 6	20 16	1 11	23 54	0 30	8 20	1 45	31 21	8 34	23 6	23 1	22 30		n.a.
T 30	12 10	9 18	4 38	12 15	0 23	24 17	2 2	25 12	1 33	5 1	1 6	20 16	1 11	23 54	0 30	8 20	1 45	31 21	8 33	23 7	23 1	22 31		n.a.
F 31	12s31	14s17	3n59	12s55	0s29	24s29	2s 4	25n15	1n36	5s 7	1n 6	20n15	1n11	23s54	0s30	8s21	1s45	31s21	8s33	23n 8	23n 2	22n32		n.a.

Julian Day Number = 1561351.5, Delta T = 04h23m58s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'29, Lahiri = -10°00'29 Julian Calendar 1 Oct. 439 BCE == Greg. Calendar 26 Sept. 439 BCE

The year -438 astronomical counting style corresponds to year 439 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

NOVEMBER 439 BCE (-438) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 17 59	3♏34'12	5♐15	3♏57	12♐41	25♊ 3	15♎34	5♌39	9♑32	13°R 4	15♑22	12°R35	13♋41	0♋15	n.a.	S 1
S 2	2 21 56	4°35'16	19°53	5°31	13°53	25°R 3	15°47	5°42	9°34	13♓ 3	15°23	12♋30	13°38	0°22	n.a.	S 2
M 3	2 25 52	5°36'21	4♑24	7° 6	15° 6	25° 2	16° 0	5°44	9°36	13° 2	15°24	12°28	13°35	0°28	n.a.	M 3
T 4	2 29 49	6°37'26	18°42	8°40	16°18	25° 1	16°13	5°46	9°38	13° 1	15°25	12°D28	13°31	0°35	n.a.	T 4
W 5	2 33 45	7°38'32	2♒46	10°14	17°30	24°58	16°26	5°48	9°40	13° 0	15°26	12°R29	13°28	0°42	n.a.	W 5
T 6	2 37 42	8°39'38	16°37	11°49	18°42	24°55	16°39	5°49	9°42	13° 0	15°26	12°29	13°25	0°48	n.a.	T 6
F 7	2 41 38	9°40'45	0♓13	13°23	19°54	24°51	16°52	5°51	9°44	12°59	15°27	12°27	13°22	0°55	n.a.	F 7
S 8	2 45 35	10°41'53	13°36	14°57	21° 6	24°46	17° 4	5°53	9°47	12°58	15°28	12°22	13°19	1° 2	n.a.	S 8
S 9	2 49 32	11°43'01	26°47	16°32	22°18	24°41	17°17	5°54	9°49	12°57	15°29	12°15	13°15	1° 8	n.a.	S 9
M10	2 53 28	12°44'09	9♈47	18° 6	23°29	24°34	17°30	5°55	9°51	12°57	15°30	12° 6	13°12	1°15	n.a.	M10
T 11	2 57 25	13°45'19	22°35	19°41	24°41	24°27	17°43	5°57	9°53	12°56	15°31	11°55	13° 9	1°22	n.a.	T 11
W12	3 1 21	14°46'28	5♉10	21°15	25°53	24°19	17°55	5°58	9°56	12°55	15°32	11°44	13° 6	1°28	n.a.	W12
T 13	3 5 18	15°47'39	17°35	22°50	27° 4	24°10	18° 8	5°59	9°58	12°55	15°33	11°33	13° 3	1°35	n.a.	T 13
F 14	3 9 14	16°48'50	29°47	24°25	28°15	24° 0	18°20	6° 0	10° 0	12°54	15°34	11°24	13° 0	1°42	n.a.	F 14
S 15	3 13 11	17°50'01	11♊50	26° 0	29°27	23°49	18°33	6° 1	10° 3	12°54	15°35	11°17	12°56	1°48	n.a.	S 15
S 16	3 17 7	18°51'13	23°44	27°35	0♑38	23°38	18°45	6° 1	10° 5	12°53	15°36	11°13	12°53	1°55	n.a.	S 16
M17	3 21 4	19°52'26	5♋32	29°10	1°49	23°26	18°58	6° 2	10° 8	12°53	15°37	11°D11	12°50	2° 2	n.a.	M17
T 18	3 25 1	20°53'40	17°18	0♐45	3° 0	23°12	19°10	6° 2	10°10	12°53	15°39	11°11	12°47	2° 8	n.a.	T 18
W19	3 28 57	21°54'54	29° 7	2°20	4°11	22°59	19°22	6° 3	10°13	12°52	15°40	11°12	12°44	2°15	n.a.	W19
T 20	3 32 54	22°56'09	11♌ 2	3°55	5°22	22°44	19°34	6° 3	10°15	12°52	15°41	11°14	12°40	2°22	n.a.	T 20
F 21	3 36 50	23°57'24	23° 9	5°30	6°33	22°28	19°46	6° 3	10°18	12°51	15°42	11°R14	12°37	2°28	n.a.	F 21
S 22	3 40 47	24°58'40	5♍34	7° 5	7°44	22°12	19°59	6°R 3	10°21	12°51	15°43	11°14	12°34	2°35	n.a.	S 22
S 23	3 44 43	25°59'57	18°21	8°40	8°54	21°55	20°11	6° 3	10°23	12°51	15°45	11°11	12°31	2°41	n.a.	S 23
M24	3 48 40	27° 1'13	1♎35	10°15	10° 5	21°38	20°23	6° 3	10°26	12°51	15°46	11° 7	12°28	2°48	n.a.	M24
T 25	3 52 37	28° 2'31	15°17	11°49	11°15	21°19	20°35	6° 2	10°29	12°51	15°47	11° 1	12°25	2°55	n.a.	T 25
W26	3 56 33	29° 3'48	29°26	13°23	12°25	21° 1	20°46	6° 2	10°32	12°50	15°48	10°54	12°21	3° 1	n.a.	W26
T 27	4 0 30	0♐ 5'06	14♏ 1	14°57	13°35	20°41	20°58	6° 2	10°35	12°50	15°50	10°47	12°18	3° 8	n.a.	T 27
F 28	4 4 26	1° 6'24	28°53	16°30	14°45	20°21	21°10	6° 1	10°37	12°50	15°51	10°41	12°15	3°15	n.a.	F 28
S 29	4 8 23	2° 7'43	13♐56	18° 1	15°55	20° 0	21°22	6° 0	10°40	12°D50	15°52	10°36	12°12	3°21	n.a.	S 29
S 30	4 12 19	3♐ 9'01	28♐59	19♐32	17♑ 5	19♊39	21♎33	5♌59	10♑43	12♓50	15♑54	10♋34	12♋ 9	3♋28	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s52	18s26	3n 4	13s33	0s35	24s41	2s 5	25n17	1n38	5s12	1n 6	20n15	1n11	23s53	0s30	8s21	1s45	31s20	8s33	23n 9	23n 2	22n33		n.a.
S 2	13 13	21 25	1 57	14 11	0 42	24 51	2 7	25 20	1 41	5 17	1 6	20 15	1 11	23 53	0 30	8 21	1 45	31 20	8 33	23 9	23 2	22 34		n.a.
M 3	13 34	22 58	0 43	14 48	0 48	25 1	2 8	25 23	1 43	5 22	1 6	20 14	1 12	23 53	0 30	8 22	1 45	31 20	8 33	23 9	23 3	22 35		n.a.
T 4	13 54	22 58	0s33	15 25	0 54	25 11	2 9	25 25	1 46	5 27	1 6	20 14	1 12	23 53	0 30	8 22	1 45	31 20	8 33	23 9	23 3	22 35		n.a.
W 5	14 14	21 31	1 46	16 1	1 0	25 19	2 11	25 28	1 49	5 32	1 6	20 14	1 12	23 53	0 29	8 22	1 45	31 19	8 32	23 9	23 3	22 36		n.a.
T 6	14 34	18 47	2 52	16 36	1 5	25 27	2 12	25 30	1 51	5 37	1 6	20 13	1 12	23 53	0 29	8 23	1 45	31 19	8 32	23 9	23 4	22 37		n.a.
F 7	14 54	15 3	3 46	17 11	1 11	25 34	2 13	25 33	1 54	5 42	1 6	20 13	1 12	23 52	0 29	8 23	1 45	31 19	8 32	23 9	23 4	22 38		n.a.
S 8	15 13	10 38	4 27	17 45	1 16	25 40	2 14	25 35	1 57	5 47	1 6	20 13	1 13	23 52	0 29	8 23	1 45	31 19	8 32	23 10	23 4	22 39		n.a.
S 9	15 33	5 46	4 53	18 18	1 22	25 46	2 15	25 38	1 59	5 51	1 6	20 13	1 13	23 52	0 29	8 23	1 45	31 18	8 32	23 11	23 5	22 40		n.a.
M10	15 52	0 44	5 4	18 50	1 27	25 50	2 15	25 40	2 2	5 56	1 6	20 13	1 13	23 52	0 29	8 24	1 45	31 18	8 32	23 11	23 5	22 40		n.a.
T 11	16 10	4n16	4 59	19 21	1 32	25 54	2 16	25 43	2 5	6 1	1 6	20 13	1 13	23 52	0 29	8 24	1 45	31 18	8 32	23 12	23 5	22 41		n.a.
W12	16 29	9 1	4 40	19 51	1 36	25 58	2 17	25 45	2 8	6 6	1 6	20 13	1 14	23 52	0 29	8 24	1 45	31 17	8 31	23 13	23 6	22 42		n.a.
T 13	16 47	13 21	4 7	20 20	1 41	26 0	2 17	25 47	2 10	6 11	1 6	20 13	1 14	23 51	0 29	8 24	1 45	31 17	8 31	23 14	23 6	22 43		n.a.
F 14	17 5	17 3	3 23	20 49	1 45	26 2	2 18	25 50	2 13	6 16	1 6	20 13	1 14	23 51	0 29	8 24	1 45	31 17	8 31	23 15	23 6	22 44		n.a.
S 15	17 22	20 0	2 31	21 16	1 49	26 3	2 18	25 52	2 16	6 20	1 6	20 13	1 14	23 51	0 29	8 24	1 45	31 17	8 31	23 16	23 7	22 44		n.a.
S 16	17 39	22 3	1 33	21 42	1 53	26 3	2 18	25 54	2 19	6 25	1 6	20 13	1 14	23 51	0 29	8 25	1 45	31 16	8 31	23 16	23 7	22 45		n.a.
M17	17 56	23 7	0 30	22 7	1 56	26 2	2 18	25 56	2 21	6 30	1 6	20 13	1 15	23 51	0 29	8 25	1 44	31 16	8 31	23 16	23 7	22 46		n.a.
T 18	18 13	23 9	0n33	22 31	1 59	26 1	2 18	25 58	2 24	6 34	1 6	20 13	1 15	23 50	0 29	8 25	1 44	31 16	8 31	23 16	23 7	22 47		n.a.
W19	18 29	22 9	1 35	22 53	2 2	25 59	2 18	26 0	2 27	6 39	1 6	20 13	1 15	23 50	0 29	8 25	1 44	31 16	8 31	23 16	23 8	22 47		n.a.
T 20	18 45	20 9	2 34	23 14	2 4	25 56	2 18	26 2	2 30	6 44	1 6	20 13	1 15	23 50	0 29	8 25	1 44	31 15	8 30	23 16	23 8	22 48		n.a.
F 21	19 0	17 14	3 27	23 34	2 7	25 53	2 18	26 4	2 32	6 48	1 7	20 13	1 16	23 50	0 29	8 25	1 44	31 15	8 30	23 16	23 8	22 49		n.a.
S 22	19 15	13 29	4 12	23 53	2 8	25 48	2 17	26 5	2 35	6 53	1 7	20 13	1 16	23 49	0 29	8 25	1 44	31 15	8 30	23 16	23 9	22 50		n.a.
S 23	19 30	9 2	4 46	24 10	2 10	25 43	2 17	26 7	2 37	6 57	1 7	20 14	1 16	23 49	0 29	8 25	1 44	31 15	8 30	23 16	23 9	22 50		n.a.
M24	19 45	4 1	5 5	24 25	2 10	25 37	2 16	26 9	2 40	7 2	1 7	20 14	1 16	23 49	0 29	8 25	1 44	31 14	8 30	23 17	23 9	22 51		n.a.
T 25	19 59	1s21	5 9	24 39	2 11	25 31	2 15	26 10	2 43	7 6	1 7	20 14	1 16	23 49	0 29	8 25	1 44	31 14	8 30	23 17	23 10	22 52		n.a.
W26	20 12	6 50	4 54	24 51	2 11	25 23	2 14	26 11	2 45	7 11	1 7	20 14	1 17	23 49	0 29	8 25	1 44	31 14	8 30	23 18	23 10	22 53		n.a.
T 27	20 26	12 7	4 20	25 2	2 10	25 15	2 14	26 12	2 48	7 15	1 7	20 15	1 17	23 48	0 29	8 25	1 44	31 13	8 30	23 18	23 10	22 53		n.a.
F 28	20 39	16 48	3 27	25 11	2 8	25 7	2 12	26 13	2 50	7 20	1 7	20 15	1 17	23 48	0 29	8 25	1 44	31 13	8 30	23 19	23 10	22 54		n.a.
S 29	20 51	20 27	2 20	25 18	2 7	24 57	2 11	26 14	2 53	7 24	1 7	20 16	1 17	23 48	0 29	8 25	1 44	31 13	8 29	23 19	23 11	22 55		n.a.
S 30	21s 3	22s42	1n 3	25s23	2s 4	24s47	2s10	26n15	2n55	7s28	1n 7	20n16	1n18	23s48	0s29	8s25	1s44	31s13	8s29	23n19	23n11	22n55		n.a.

Julian Day Number = 1561382.5, Delta T = 04h23m57s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'25, Lahiri = -10°00'25 Julian Calendar 1 Nov. 439 BCE == Greg. Calendar 27 Oct. 439 BCE

The year -438 astronomical counting style corresponds to year 439 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 439 BCE
geocentric

DECEMBER 439 BCE (-438) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 16 16	4♐10'18	13♑54	21♐ 2	18♑15	19°R17	21♎45	5°R58	10♑46	12♓50	15♑55	10°D34	12♋ 6	3♋35	n.a.	M 1
T 2	4 20 12	5°11'36	28°34	22°30	19°24	18♊55	21°56	5♌57	10°49	12°50	15°57	10♋34	12° 2	3°41	n.a.	T 2
W 3	4 24 9	6°12'53	12♒54	23°56	20°33	18°32	22° 7	5°56	10°52	12°50	15°58	10°36	11°59	3°48	n.a.	W 3
T 4	4 28 6	7°14'10	26°53	25°20	21°43	18° 9	22°19	5°55	10°55	12°51	15°59	10°37	11°56	3°55	n.a.	T 4
F 5	4 32 2	8°15'26	10♓31	26°41	22°52	17°46	22°30	5°53	10°58	12°51	16° 1	10°R38	11°53	4° 1	n.a.	F 5
S 6	4 35 59	9°16'41	23°49	27°58	24° 1	17°23	22°41	5°52	11° 1	12°51	16° 2	10°37	11°50	4° 8	n.a.	S 6
S 7	4 39 55	10°17'55	6♈48	29°12	25° 9	16°59	22°52	5°50	11° 4	12°51	16° 4	10°34	11°46	4°15	n.a.	S 7
M 8	4 43 52	11°19'10	19°32	0♑21	26°18	16°35	23° 3	5°49	11° 8	12°52	16° 5	10°30	11°43	4°21	n.a.	M 8
T 9	4 47 48	12°20'23	2♉ 2	1°25	27°26	16°11	23°14	5°47	11°11	12°52	16° 7	10°26	11°40	4°28	n.a.	T 9
W10	4 51 45	13°21'36	14°20	2°23	28°34	15°47	23°24	5°45	11°14	12°52	16° 8	10°21	11°37	4°34	n.a.	W10
T 11	4 55 41	14°22'48	26°29	3°14	29°42	15°23	23°35	5°43	11°17	12°53	16°10	10°16	11°34	4°41	n.a.	T 11
F 12	4 59 38	15°24'00	8♊30	3°57	0♒50	14°59	23°46	5°41	11°20	12°53	16°12	10°12	11°31	4°48	n.a.	F 12
S 13	5 3 35	16°25'11	20°25	4°32	1°57	14°35	23°56	5°39	11°24	12°53	16°13	10° 9	11°27	4°54	n.a.	S 13
S 14	5 7 31	17°26'22	2♋14	4°57	3° 5	14°11	24° 7	5°36	11°27	12°54	16°15	10° 8	11°24	5° 1	n.a.	S 14
M15	5 11 28	18°27'32	14° 2	5°11	4°12	13°48	24°17	5°34	11°30	12°54	16°16	10°D 8	11°21	5° 8	n.a.	M15
T 16	5 15 24	19°28'41	25°49	5°R15	5°19	13°24	24°27	5°31	11°33	12°55	16°18	10° 9	11°18	5°14	n.a.	T 16
W17	5 19 21	20°29'50	7♌40	5° 7	6°25	13° 1	24°37	5°29	11°37	12°56	16°20	10°10	11°15	5°21	n.a.	W17
T 18	5 23 17	21°30'58	19°37	4°48	7°32	12°38	24°47	5°26	11°40	12°56	16°21	10°12	11°12	5°28	n.a.	T 18
F 19	5 27 14	22°32'06	1♍44	4°16	8°38	12°15	24°57	5°23	11°43	12°57	16°23	10°13	11° 8	5°34	n.a.	F 19
S 20	5 31 11	23°33'13	14° 7	3°34	9°44	11°53	25° 7	5°20	11°47	12°58	16°25	10°14	11° 5	5°41	n.a.	S 20
S 21	5 35 7	24°34'20	26°50	2°42	10°50	11°31	25°17	5°17	11°50	12°58	16°26	10°R14	11° 2	5°48	n.a.	S 21
M22	5 39 4	25°35'25	9♎55	1°41	11°55	11° 9	25°26	5°14	11°53	12°59	16°28	10°14	10°59	5°54	n.a.	M22
T 23	5 43 0	26°36'31	23°28	0°33	13° 0	10°49	25°36	5°11	11°57	13° 0	16°30	10°13	10°56	6° 1	n.a.	T 23
W24	5 46 57	27°37'35	7♏28	29♐21	14° 5	10°28	25°45	5° 8	12° 0	13° 1	16°31	10°11	10°52	6° 8	n.a.	W24
T 25	5 50 53	28°38'39	21°55	28° 5	15° 9	10° 8	25°54	5° 5	12° 4	13° 2	16°33	10°10	10°49	6°14	n.a.	T 25
F 26	5 54 50	29°39'42	6♐45	26°49	16°14	9°49	26° 4	5° 1	12° 7	13° 3	16°35	10° 8	10°46	6°21	n.a.	F 26
S 27	5 58 46	0♑40'44	21°51	25°35	17°18	9°30	26°13	4°58	12°11	13° 3	16°36	10° 7	10°43	6°27	n.a.	S 27
S 28	6 2 43	1°41'46	7♑ 5	24°25	18°21	9°12	26°21	4°54	12°14	13° 4	16°38	10°D 7	10°40	6°34	n.a.	S 28
M29	6 6 40	2°42'46	22°16	23°20	19°25	8°55	26°30	4°51	12°17	13° 5	16°40	10° 7	10°37	6°41	n.a.	M29
T 30	6 10 36	3°43'44	7♒15	22°22	20°28	8°38	26°39	4°47	12°21	13° 6	16°42	10° 8	10°33	6°47	n.a.	T 30
W31	6 14 33	4♑44'41	21♒55	21♐32	21♒30	8♊23	26♎47	4♌43	12♑24	13♓ 7	16♑43	10♋ 8	10♋30	6♋54	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s15	23s19	0s18	25s27	2s 1	24s36	2s 8	26n15	2n57	7s33	1n 7	20n16	1n18	23s47	0s29	8s25	1s44	31s12	8s29	23n19	23n11	22n56		n.a.
T 2	21 26	22 18	1 37	25 28	1 57	24 25	2 7	26 16	2 59	7 37	1 7	20 17	1 18	23 47	0 29	8 25	1 44	31 12	8 29	23 19	23 12	22 57		n.a.
W 3	21 37	19 50	2 48	25 28	1 52	24 13	2 5	26 16	3 2	7 41	1 7	20 17	1 18	23 47	0 29	8 25	1 44	31 12	8 29	23 19	23 12	22 57		n.a.
T 4	21 48	16 15	3 47	25 26	1 46	24 0	2 3	26 16	3 4	7 45	1 7	20 18	1 18	23 47	0 29	8 25	1 44	31 12	8 29	23 19	23 12	22 58		n.a.
F 5	21 58	11 53	4 31	25 22	1 39	23 47	2 1	26 16	3 6	7 49	1 7	20 19	1 19	23 46	0 29	8 25	1 44	31 11	8 29	23 19	23 13	22 59		n.a.
S 6	22 8	7 4	5 0	25 16	1 32	23 33	1 59	26 15	3 8	7 53	1 8	20 19	1 19	23 46	0 29	8 25	1 43	31 11	8 29	23 19	23 13	22 59		n.a.
S 7	22 17	2 2	5 12	25 8	1 23	23 18	1 57	26 15	3 10	7 58	1 8	20 20	1 19	23 46	0 29	8 24	1 43	31 11	8 29	23 19	23 13	23 0		n.a.
M 8	22 26	2n58	5 9	24 58	1 14	23 3	1 55	26 14	3 12	8 2	1 8	20 20	1 19	23 46	0 29	8 24	1 43	31 11	8 29	23 20	23 13	23 1		n.a.
T 9	22 34	7 47	4 51	24 47	1 3	22 47	1 52	26 13	3 13	8 6	1 8	20 21	1 19	23 45	0 29	8 24	1 43	31 10	8 29	23 20	23 14	23 1		n.a.
W10	22 42	12 12	4 20	24 34	0 51	22 30	1 50	26 12	3 15	8 9	1 8	20 22	1 20	23 45	0 29	8 24	1 43	31 10	8 29	23 20	23 14	23 2		n.a.
T 11	22 49	16 6	3 37	24 20	0 38	22 13	1 47	26 11	3 17	8 13	1 8	20 22	1 20	23 45	0 29	8 24	1 43	31 10	8 29	23 21	23 14	23 3		n.a.
F 12	22 56	19 17	2 46	24 5	0 24	21 56	1 44	26 10	3 18	8 17	1 8	20 23	1 20	23 44	0 29	8 23	1 43	31 9	8 28	23 21	23 15	23 3		n.a.
S 13	23 3	21 37	1 47	23 49	0 8	21 38	1 41	26 9	3 19	8 21	1 8	20 24	1 20	23 44	0 29	8 23	1 43	31 9	8 28	23 21	23 15	23 4		n.a.
S 14	23 9	23 0	0 43	23 31	0n 8	21 19	1 38	26 7	3 21	8 25	1 8	20 25	1 21	23 44	0 29	8 23	1 43	31 9	8 28	23 21	23 15	23 5		n.a.
M15	23 14	23 21	0n22	23 13	0 25	21 0	1 35	26 5	3 22	8 29	1 8	20 26	1 21	23 44	0 29	8 23	1 43	31 9	8 28	23 21	23 15	23 5		n.a.
T 16	23 19	22 39	1 26	22 55	0 43	20 40	1 32	26 4	3 23	8 32	1 8	20 26	1 21	23 43	0 29	8 22	1 43	31 8	8 28	23 21	23 16	23 6		n.a.
W17	23 24	20 57	2 27	22 37	1 2	20 20	1 28	26 2	3 24	8 36	1 9	20 27	1 21	23 43	0 29	8 22	1 43	31 8	8 28	23 21	23 16	23 7		n.a.
T 18	23 28	18 19	3 22	22 19	1 21	19 59	1 25	26 0	3 25	8 39	1 9	20 28	1 21	23 43	0 29	8 22	1 43	31 8	8 28	23 21	23 16	23 7		n.a.
F 19	23 32	14 51	4 8	22 1	1 40	19 38	1 21	25 57	3 26	8 43	1 9	20 29	1 22	23 42	0 29	8 22	1 43	31 8	8 28	23 21	23 16	23 8		n.a.
S 20	23 35	10 42	4 45	21 43	1 59	19 17	1 17	25 55	3 27	8 47	1 9	20 30	1 22	23 42	0 29	8 21	1 43	31 7	8 28	23 21	23 17	23 8		n.a.
S 21	23 38	5 59	5 9	21 26	2 17	18 55	1 13	25 53	3 28	8 50	1 9	20 31	1 22	23 42	0 29	8 21	1 43	31 7	8 28	23 21	23 17	23 9		n.a.
M22	23 40	0 52	5 17	21 10	2 34	18 33	1 9	25 50	3 28	8 53	1 9	20 32	1 22	23 41	0 29	8 21	1 43	31 7	8 28	23 21	23 17	23 9		n.a.
T 23	23 42	4s27	5 9	20 55	2 50	18 10	1 5	25 48	3 29	8 57	1 9	20 33	1 22	23 41	0 29	8 20	1 43	31 7	8 28	23 21	23 17	23 10		n.a.
W24	23 44	9 44	4 42	20 42	3 3	17 47	1 1	25 45	3 29	9 0	1 9	20 34	1 22	23 41	0 29	8 20	1 43	31 7	8 28	23 21	23 18	23 11		n.a.
T 25	23 44	14 40	3 57	20 29	3 15	17 23	0 56	25 43	3 30	9 3	1 9	20 35	1 23	23 41	0 29	8 19	1 42	31 6	8 28	23 21	23 18	23 11		n.a.
F 26	23 45	18 50	2 55	20 19	3 24	17 0	0 52	25 40	3 30	9 7	1 9	20 36	1 23	23 40	0 29	8 19	1 42	31 6	8 28	23 21	23 18	23 12		n.a.
S 27	23 45	21 50	1 40	20 10	3 31	16 36	0 47	25 37	3 30	9 10	1 10	20 37	1 23	23 40	0 29	8 19	1 42	31 6	8 28	23 21	23 19	23 12		n.a.
S 28	23 44	23 16	0 17	20 3	3 35	16 11	0 42	25 35	3 30	9 13	1 10	20 38	1 23	23 40	0 29	8 18	1 42	31 6	8 28	23 21	23 19	23 13		n.a.
M29	23 43	22 59	1s 7	19 58	3 37	15 46	0 37	25 32	3 30	9 16	1 10	20 39	1 23	23 39	0 29	8 18	1 42	31 5	8 28	23 21	23 19	23 13		n.a.
T 30	23 42	21 2	2 25	19 55	3 37	15 21	0 32	25 29	3 30	9 19	1 10	20 40	1 24	23 39	0 29	8 17	1 42	31 5	8 28	23 21	23 19	23 14		n.a.
W31	23s40	17s43	3s32	19s54	3n34	14s56	0s26	25n27	3n30	9s22	1n10	20n41	1n24	23s39	0s29	8s17	1s42	31s 5	8s28	23n21	23n20	23n14		n.a.

Julian Day Number = 1561412.5, Delta T = 04h23m56s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'21, Lahiri = -10°00'21 Julian Calendar 1 Dec. 439 BCE == Greg. Calendar 26 Nov. 439 BCE

The year -438 astronomical counting style corresponds to year 439 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

JANUARY 438 BCE (-437) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 18 29	5♉45'37	6♓11	20°R50	22♒32	8°R 7	26♎56	4°R39	12♉28	13♓ 9	16♉45	10♋ 9	10♋27	7♋ 1	n.a.	T 1
F 2	6 22 26	6°46'31	20° 1	20♐16	23°34	7♊53	27° 4	4♌35	12°31	13°10	16°47	10° 9	10°24	7° 7	n.a.	F 2
S 3	6 26 22	7°47'23	3♈24	19°51	24°36	7°39	27°12	4°31	12°35	13°11	16°49	10°R 9	10°21	7°14	n.a.	S 3
S 4	6 30 19	8°48'14	16°23	19°34	25°37	7°27	27°20	4°27	12°38	13°12	16°50	10° 9	10°18	7°21	n.a.	S 4
M 5	6 34 15	9°49'03	29° 2	19°26	26°37	7°14	27°28	4°23	12°42	13°13	16°52	10°D 9	10°14	7°27	n.a.	M 5
T 6	6 38 12	10°49'51	11♉24	19°D25	27°37	7° 3	27°36	4°19	12°45	13°14	16°54	10° 9	10°11	7°34	n.a.	T 6
W 7	6 42 9	11°50'36	23°32	19°31	28°37	6°53	27°44	4°15	12°49	13°16	16°56	10° 9	10° 8	7°41	n.a.	W 7
T 8	6 46 5	12°51'21	5♊30	19°44	29°36	6°43	27°51	4°11	12°52	13°17	16°57	10°10	10° 5	7°47	n.a.	T 8
F 9	6 50 2	13°52'03	17°22	20° 3	0♓35	6°34	27°58	4° 6	12°56	13°18	16°59	10°10	10° 2	7°54	n.a.	F 9
S 10	6 53 58	14°52'44	29°11	20°28	1°33	6°26	28° 6	4° 2	12°59	13°20	17° 1	10°10	9°58	8° 1	n.a.	S 10
S 11	6 57 55	15°53'23	10♋58	20°59	2°31	6°19	28°13	3°58	13° 3	13°21	17° 3	10°R10	9°55	8° 7	n.a.	S 11
M12	7 1 51	16°54'01	22°47	21°34	3°28	6°12	28°20	3°53	13° 6	13°23	17° 5	10°10	9°52	8°14	n.a.	M12
T 13	7 5 48	17°54'37	4♌39	22°14	4°25	6° 7	28°26	3°49	13°10	13°24	17° 6	10°10	9°49	8°20	n.a.	T 13
W14	7 9 45	18°55'12	16°36	22°58	5°21	6° 2	28°33	3°44	13°13	13°25	17° 8	10° 9	9°46	8°27	n.a.	W14
T 15	7 13 41	19°55'45	28°41	23°46	6°16	5°58	28°39	3°40	13°17	13°27	17°10	10° 7	9°43	8°34	n.a.	T 15
F 16	7 17 38	20°56'16	10♍57	24°38	7°11	5°54	28°46	3°35	13°20	13°28	17°12	10° 6	9°39	8°40	n.a.	F 16
S 17	7 21 34	21°56'46	23°24	25°32	8° 5	5°52	28°52	3°30	13°24	13°30	17°13	10° 4	9°36	8°47	n.a.	S 17
S 18	7 25 31	22°57'15	6♎ 8	26°30	8°58	5°50	28°58	3°26	13°27	13°32	17°15	10° 3	9°33	8°54	n.a.	S 18
M19	7 29 27	23°57'41	19°10	27°30	9°51	5°49	29° 4	3°21	13°31	13°33	17°17	10°D 2	9°30	9° 0	n.a.	M19
T 20	7 33 24	24°58'07	2♏34	28°33	10°43	5°D49	29° 9	3°16	13°34	13°35	17°19	10° 2	9°27	9° 7	n.a.	T 20
W21	7 37 20	25°58'31	16°21	29°38	11°34	5°49	29°15	3°12	13°37	13°36	17°21	10° 3	9°24	9°14	n.a.	W21
T 22	7 41 17	26°58'53	0♐32	0♉46	12°25	5°50	29°20	3° 7	13°41	13°38	17°22	10° 4	9°20	9°20	n.a.	T 22
F 23	7 45 14	27°59'15	15° 5	1°56	13°14	5°52	29°26	3° 2	13°44	13°40	17°24	10° 6	9°17	9°27	n.a.	F 23
S 24	7 49 10	28°59'34	29°57	3° 7	14° 3	5°55	29°31	2°57	13°48	13°41	17°26	10° 7	9°14	9°34	n.a.	S 24
S 25	7 53 7	29°59'52	15♉ 2	4°21	14°51	5°58	29°36	2°53	13°51	13°43	17°28	10°R 7	9°11	9°40	n.a.	S 25
M26	7 57 3	1♒ 0'08	0♒11	5°36	15°38	6° 2	29°40	2°48	13°54	13°45	17°29	10° 6	9° 8	9°47	n.a.	M26
T 27	8 1 0	2° 0'22	15°14	6°53	16°24	6° 7	29°45	2°43	13°58	13°47	17°31	10° 4	9° 4	9°53	n.a.	T 27
W28	8 4 56	3° 0'33	0♓ 4	8°11	17°10	6°12	29°49	2°38	14° 1	13°49	17°33	10° 1	9° 1	10° 0	n.a.	W28
T 29	8 8 53	4° 0'43	14°32	9°31	17°54	6°18	29°54	2°33	14° 5	13°50	17°34	9°57	8°58	10° 7	n.a.	T 29
F 30	8 12 49	5° 0'51	28°33	10°52	18°37	6°25	29°58	2°29	14° 8	13°52	17°36	9°54	8°55	10°13	n.a.	F 30
S 31	8 16 46	6♒ 0'56	12♈ 7	12♉15	19♓19	6♊32	0♏ 1	2♌24	14♉11	13♓54	17♉38	9♋51	8♋52	10♋20	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23 s37	13 s26	4 s24	19 s56	3n30	14 s31	0 s21	25n24	3n30	9 s25	1n10	20n42	1n24	23 s38	0 s29	8 s16	1 s42	31 s 5	8 s28	23n21	23n20	23n15			n.a.
F 2	23 34	8 34	4 59	19 59	3 25	14 5	0 16	25 21	3 30	9 28	1 10	20 43	1 24	23 38	0 29	8 16	1 42	31 4	8 28	23 21	23 20	23 16			n.a.
S 3	23 31	3 27	5 16	20 4	3 18	13 39	0 10	25 19	3 30	9 31	1 10	20 44	1 24	23 38	0 29	8 15	1 42	31 4	8 28	23 21	23 20	23 16			n.a.
S 4	23 27	1n40	5 16	20 10	3 10	13 13	0 4	25 16	3 29	9 34	1 11	20 46	1 24	23 37	0 29	8 15	1 42	31 4	8 28	23 21	23 21	23 17			n.a.
M 5	23 23	6 35	5 1	20 18	3 1	12 46	0n 2	25 14	3 29	9 36	1 11	20 47	1 25	23 37	0 29	8 14	1 42	31 4	8 28	23 21	23 21	23 17			n.a.
T 6	23 18	11 8	4 32	20 28	2 52	12 20	0 8	25 11	3 28	9 39	1 11	20 48	1 25	23 37	0 29	8 14	1 42	31 4	8 28	23 21	23 21	23 18			n.a.
W 7	23 13	15 10	3 52	20 38	2 42	11 53	0 14	25 9	3 28	9 42	1 11	20 49	1 25	23 36	0 29	8 13	1 42	31 3	8 28	23 21	23 21	23 18			n.a.
T 8	23 7	18 32	3 1	20 50	2 32	11 26	0 20	25 7	3 27	9 44	1 11	20 50	1 25	23 36	0 29	8 13	1 42	31 3	8 28	23 21	23 22	23 19			n.a.
F 9	23 1	21 5	2 4	21 2	2 21	10 59	0 27	25 5	3 27	9 47	1 11	20 51	1 25	23 36	0 29	8 12	1 42	31 3	8 28	23 21	23 22	23 19			n.a.
S 10	22 54	22 44	1 1	21 14	2 10	10 32	0 33	25 3	3 26	9 49	1 11	20 53	1 25	23 35	0 29	8 12	1 42	31 3	8 28	23 21	23 22	23 20			n.a.
S 11	22 47	23 22	0n 4	21 28	1 59	10 5	0 40	25 1	3 26	9 52	1 12	20 54	1 26	23 35	0 29	8 11	1 42	31 3	8 28	23 21	23 22	23 20			n.a.
M12	22 40	22 56	1 10	21 41	1 48	9 38	0 47	24 59	3 25	9 54	1 12	20 55	1 26	23 35	0 29	8 11	1 42	31 2	8 28	23 21	23 23	23 20			n.a.
T 13	22 32	21 29	2 12	21 54	1 37	9 11	0 54	24 57	3 24	9 56	1 12	20 56	1 26	23 34	0 29	8 10	1 42	31 2	8 29	23 21	23 23	23 21			n.a.
W14	22 24	19 3	3 9	22 8	1 26	8 44	1 1	24 56	3 23	9 59	1 12	20 57	1 26	23 34	0 29	8 9	1 42	31 2	8 29	23 21	23 23	23 21			n.a.
T 15	22 15	15 47	3 58	22 21	1 15	8 17	1 8	24 54	3 23	10 1	1 12	20 59	1 26	23 34	0 29	8 9	1 41	31 2	8 29	23 21	23 23	23 22			n.a.
F 16	22 6	11 49	4 37	22 34	1 4	7 49	1 15	24 53	3 22	10 3	1 12	21 0	1 26	23 33	0 29	8 8	1 41	31 2	8 29	23 21	23 23	23 22			n.a.
S 17	21 56	7 17	5 4	22 46	0 54	7 22	1 23	24 51	3 21	10 5	1 12	21 1	1 26	23 33	0 29	8 7	1 41	31 2	8 29	23 22	23 24	23 23			n.a.
S 18	21 46	2 22	5 16	22 58	0 44	6 55	1 30	24 50	3 20	10 7	1 13	21 2	1 26	23 33	0 29	8 7	1 41	31 1	8 29	23 22	23 24	23 23			n.a.
M19	21 36	2 s47	5 13	23 10	0 33	6 28	1 38	24 49	3 19	10 9	1 13	21 4	1 27	23 32	0 29	8 6	1 41	31 1	8 29	23 22	23 24	23 24			n.a.
T 20	21 25	7 56	4 53	23 21	0 24	6 1	1 46	24 48	3 18	10 11	1 13	21 5	1 27	23 32	0 29	8 6	1 41	31 1	8 29	23 22	23 24	23 24			n.a.
W21	21 13	12 51	4 16	23 31	0 14	5 34	1 54	24 47	3 17	10 13	1 13	21 6	1 27	23 32	0 29	8 5	1 41	31 1	8 29	23 22	23 25	23 24			n.a.
T 22	21 2	17 14	3 22	23 40	0 4	5 7	2 2	24 46	3 16	10 14	1 13	21 7	1 27	23 31	0 29	8 4	1 41	31 1	8 29	23 22	23 25	23 25			n.a.
F 23	20 50	20 41	2 14	23 49	0 s 5	4 41	2 10	24 46	3 15	10 16	1 13	21 8	1 27	23 31	0 29	8 3	1 41	31 1	8 29	23 21	23 25	23 25			n.a.
S 24	20 37	22 49	0 56	23 56	0 14	4 14	2 18	24 45	3 14	10 18	1 14	21 10	1 27	23 30	0 29	8 3	1 41	31 0	8 29	23 21	23 25	23 26			n.a.
S 25	20 25	23 20	0 s27	24 3	0 22	3 48	2 26	24 45	3 13	10 19	1 14	21 11	1 27	23 30	0 29	8 2	1 41	31 0	8 30	23 21	23 26	23 26			n.a.
M26	20 12	22 8	1 49	24 8	0 31	3 22	2 35	24 45	3 12	10 21	1 14	21 12	1 27	23 30	0 29	8 1	1 41	31 0	8 30	23 21	23 26	23 26			n.a.
T 27	19 58	19 22	3 2	24 13	0 39	2 56	2 43	24 44	3 11	10 22	1 14	21 13	1 27	23 29	0 29	8 1	1 41	31 0	8 30	23 22	23 26	23 27			n.a.
W28	19 44	15 21	4 2	24 16	0 47	2 30	2 52	24 44	3 10	10 24	1 14	21 15	1 28	23 29	0 29	8 0	1 41	31 0	8 30	23 22	23 26	23 27			n.a.
T 29	19 30	10 32	4 45	24 18	0 54	2 5	3 0	24 44	3 9	10 25	1 14	21 16	1 28	23 29	0 29	7 59	1 41	31 0	8 30	23 22	23 26	23 28			n.a.
F 30	19 16	5 17	5 9	24 19	1 1	1 40	3 9	24 44	3 8	10 26	1 15	21 17	1 28	23 28	0 29	7 58	1 41	31 0	8 30	23 22	23 27	23 28			n.a.
S 31	19 s 1	0n 2	5 s15	24 s18	1 s 8	1 s15	3n18	24n45	3n 7	10 s28	1n15	21n18	1n28	23 s28	0 s29	7 s58	1 s41	31 s 0	8 s30	23n23	23n27	23n28			n.a.

Julian Day Number = 1561443.5, Delta T = 04h23m54s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'17, Lahiri = -10°00'16 Julian Calendar 1 Jan. 438 BCE == Greg. Calendar 27 Dec. 439 BCE

The year -437 astronomical counting style corresponds to year 438 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

FEBRUARY 438 BCE (-437) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 20 43	7♒ 0'59	25♈13	13♉39	20♓ 0	6♊40	0♏ 5	2°R19	14♉14	13♓56	17♉40	9°R49	8♋49	10♋27	n.a.	S 1
M 2	8 24 39	8° 1'00	7♉55	15° 4	20°39	6°49	0° 9	2♌14	14°18	13°58	17°41	9°D49	8°45	10°33	n.a.	M 2
T 3	8 28 36	9° 0'58	20°16	16°31	21°18	6°58	0°12	2°10	14°21	14° 0	17°43	9♋49	8°42	10°40	n.a.	T 3
W 4	8 32 32	10° 0'54	2♊21	17°59	21°55	7° 8	0°15	2° 5	14°24	14° 2	17°45	9°51	8°39	10°47	n.a.	W 4
T 5	8 36 29	11° 0'48	14°16	19°28	22°31	7°18	0°18	2° 0	14°27	14° 4	17°46	9°53	8°36	10°53	n.a.	T 5
F 6	8 40 25	12° 0'40	26° 4	20°59	23° 5	7°29	0°21	1°55	14°31	14° 6	17°48	9°54	8°33	11° 0	n.a.	F 6
S 7	8 44 22	13° 0'29	7♋50	22°31	23°38	7°41	0°24	1°51	14°34	14° 8	17°50	9°R55	8°30	11° 7	n.a.	S 7
S 8	8 48 18	14° 0'16	19°38	24° 3	24°10	7°53	0°26	1°46	14°37	14°10	17°51	9°55	8°26	11°13	n.a.	S 8
M 9	8 52 15	15° 0'01	1♌31	25°38	24°40	8° 5	0°28	1°42	14°40	14°12	17°53	9°52	8°23	11°20	n.a.	M 9
T 10	8 56 11	15°59'44	13°30	27°13	25° 8	8°18	0°30	1°37	14°43	14°14	17°54	9°48	8°20	11°27	n.a.	T 10
W11	9 0 8	16°59'24	25°39	28°49	25°35	8°32	0°32	1°32	14°46	14°16	17°56	9°43	8°17	11°33	n.a.	W11
T 12	9 4 5	17°59'03	7♍57	0♒27	26° 0	8°46	0°34	1°28	14°49	14°18	17°58	9°36	8°14	11°40	n.a.	T 12
F 13	9 8 1	18°58'39	20°27	2° 6	26°23	9° 0	0°36	1°24	14°52	14°20	17°59	9°29	8°10	11°46	n.a.	F 13
S 14	9 11 58	19°58'14	3♎ 9	3°46	26°44	9°15	0°37	1°19	14°55	14°22	18° 1	9°22	8° 7	11°53	n.a.	S 14
S 15	9 15 54	20°57'46	16° 4	5°28	27° 3	9°31	0°38	1°15	14°58	14°24	18° 2	9°16	8° 4	12° 0	n.a.	S 15
M16	9 19 51	21°57'17	29°13	7°10	27°21	9°47	0°39	1°10	15° 1	14°26	18° 4	9°12	8° 1	12° 6	n.a.	M16
T 17	9 23 47	22°56'45	12♏37	8°54	27°36	10° 3	0°40	1° 6	15° 4	14°28	18° 5	9°10	7°58	12°13	n.a.	T 17
W18	9 27 44	23°56'12	26°17	10°40	27°49	10°20	0°41	1° 2	15° 7	14°30	18° 7	9°D 9	7°55	12°20	n.a.	W18
T 19	9 31 40	24°55'37	10♐15	12°26	28° 0	10°37	0°41	0°58	15°10	14°33	18° 8	9°10	7°51	12°26	n.a.	T 19
F 20	9 35 37	25°55'00	24°30	14°14	28° 9	10°54	0°41	0°54	15°13	14°35	18°10	9°11	7°48	12°33	n.a.	F 20
S 21	9 39 34	26°54'22	9♑ 1	16° 3	28°16	11°12	0°R41	0°50	15°16	14°37	18°11	9°R12	7°45	12°40	n.a.	S 21
S 22	9 43 30	27°53'41	23°44	17°53	28°20	11°31	0°41	0°46	15°19	14°39	18°13	9°11	7°42	12°46	n.a.	S 22
M23	9 47 27	28°52'59	8♒34	19°45	28°R22	11°50	0°41	0°42	15°21	14°41	18°14	9° 8	7°39	12°53	n.a.	M23
T 24	9 51 23	29°52'14	23°24	21°38	28°22	12° 9	0°40	0°38	15°24	14°44	18°16	9° 3	7°36	13° 0	n.a.	T 24
W25	9 55 20	0♓51'28	8♓ 5	23°32	28°19	12°28	0°40	0°34	15°27	14°46	18°17	8°55	7°32	13° 6	n.a.	W25
T 26	9 59 16	1°50'39	22°31	25°28	28°14	12°48	0°39	0°30	15°30	14°48	18°18	8°47	7°29	13°13	n.a.	T 26
F 27	10 3 13	2°49'47	6♈34	27°25	28° 6	13° 9	0°38	0°26	15°32	14°50	18°20	8°38	7°26	13°19	n.a.	F 27
S 28	10 7 9	3♓48'54	20♈12	29♒23	27♓56	13♊29	0♏36	0♌23	15♉35	14♓52	18♉21	8♋30	7♋23	13♋26	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	18s45	5n10	5s 4	24s16	1s15	0s51	3n27	24n45	3n 6	10s29	1n15	21n19	1n28	23s28	0s29	7s57	1s41	30s59	8s30	23n23	23n27	23n29			n.a.
M 2	18 30	9 57	4 38	24 13	1 21	0 26	3 36	24 46	3 5	10 30	1 15	21 20	1 28	23 27	0 29	7 56	1 41	30 59	8 31	23 23	23 27	23 29			n.a.
T 3	18 14	14 11	4 0	24 9	1 27	0 3	3 45	24 46	3 4	10 31	1 15	21 22	1 28	23 27	0 29	7 55	1 41	30 59	8 31	23 23	23 27	23 29			n.a.
W 4	17 58	17 46	3 12	24 3	1 32	0n20	3 55	24 47	3 2	10 32	1 15	21 23	1 28	23 27	0 29	7 55	1 41	30 59	8 31	23 23	23 28	23 30			n.a.
T 5	17 41	20 33	2 16	23 55	1 37	0 43	4 4	24 47	3 1	10 33	1 15	21 24	1 28	23 26	0 29	7 54	1 41	30 59	8 31	23 22	23 28	23 30			n.a.
F 6	17 25	22 26	1 15	23 46	1 42	1 6	4 13	24 48	3 0	10 34	1 16	21 25	1 28	23 26	0 29	7 53	1 41	30 59	8 31	23 22	23 28	23 30			n.a.
S 7	17 8	23 19	0 11	23 35	1 46	1 27	4 23	24 49	2 59	10 34	1 16	21 26	1 28	23 26	0 29	7 52	1 41	30 59	8 31	23 22	23 28	23 31			n.a.
S 8	16 50	23 10	0n53	23 23	1 51	1 49	4 32	24 50	2 58	10 35	1 16	21 27	1 28	23 25	0 30	7 51	1 41	30 59	8 31	23 22	23 29	23 31			n.a.
M 9	16 33	21 57	1 55	23 10	1 54	2 9	4 42	24 51	2 57	10 36	1 16	21 28	1 28	23 25	0 30	7 51	1 41	30 59	8 32	23 23	23 29	23 31			n.a.
T 10	16 15	19 45	2 53	22 54	1 57	2 29	4 51	24 52	2 56	10 36	1 16	21 30	1 28	23 25	0 30	7 50	1 41	30 59	8 32	23 23	23 29	23 32			n.a.
W11	15 57	16 38	3 44	22 37	2 0	2 49	5 1	24 53	2 55	10 37	1 16	21 31	1 28	23 24	0 30	7 49	1 41	30 59	8 32	23 23	23 29	23 32			n.a.
T 12	15 38	12 46	4 24	22 19	2 3	3 7	5 10	24 54	2 54	10 37	1 17	21 32	1 29	23 24	0 30	7 48	1 41	30 59	8 32	23 24	23 29	23 32			n.a.
F 13	15 20	8 18	4 53	21 58	2 5	3 25	5 20	24 56	2 53	10 38	1 17	21 33	1 29	23 24	0 30	7 47	1 41	30 59	8 32	23 24	23 30	23 32			n.a.
S 14	15 1	3 26	5 8	21 36	2 7	3 43	5 29	24 57	2 52	10 38	1 17	21 34	1 29	23 23	0 30	7 46	1 41	30 58	8 32	23 25	23 30	23 33			n.a.
S 15	14 42	1s40	5 8	21 13	2 8	3 59	5 39	24 58	2 50	10 38	1 17	21 35	1 29	23 23	0 30	7 46	1 41	30 58	8 33	23 25	23 30	23 33			n.a.
M16	14 22	6 48	4 51	20 47	2 9	4 15	5 48	25 0	2 49	10 39	1 17	21 36	1 29	23 23	0 30	7 45	1 41	30 58	8 33	23 25	23 30	23 33			n.a.
T 17	14 3	11 43	4 19	20 20	2 9	4 29	5 58	25 1	2 48	10 39	1 17	21 37	1 29	23 23	0 30	7 44	1 41	30 58	8 33	23 26	23 30	23 34			n.a.
W18	13 43	16 9	3 31	19 51	2 9	4 43	6 7	25 2	2 47	10 39	1 18	21 38	1 29	23 22	0 30	7 43	1 41	30 58	8 33	23 26	23 31	23 34			n.a.
T 19	13 23	19 48	2 30	19 20	2 8	4 56	6 16	25 4	2 46	10 39	1 18	21 39	1 29	23 22	0 30	7 42	1 41	30 58	8 33	23 26	23 31	23 34			n.a.
F 20	13 3	22 19	1 19	18 48	2 7	5 8	6 25	25 5	2 45	10 39	1 18	21 40	1 29	23 22	0 30	7 41	1 40	30 58	8 34	23 26	23 31	23 34			n.a.
S 21	12 42	23 25	0 1	18 13	2 5	5 18	6 34	25 7	2 44	10 39	1 18	21 41	1 29	23 21	0 30	7 40	1 40	30 58	8 34	23 25	23 31	23 35			n.a.
S 22	12 22	22 55	1s18	17 37	2 3	5 28	6 42	25 9	2 43	10 38	1 18	21 41	1 29	23 21	0 30	7 40	1 40	30 58	8 34	23 26	23 31	23 35			n.a.
M23	12 1	20 47	2 32	16 59	2 0	5 36	6 50	25 10	2 42	10 38	1 18	21 42	1 29	23 21	0 30	7 39	1 40	30 58	8 34	23 26	23 31	23 35			n.a.
T 24	11 40	17 16	3 35	16 19	1 57	5 44	6 59	25 12	2 41	10 38	1 19	21 43	1 29	23 20	0 30	7 38	1 40	30 58	8 34	23 26	23 32	23 35			n.a.
W25	11 19	12 42	4 24	15 38	1 54	5 49	7 6	25 13	2 40	10 37	1 19	21 44	1 29	23 20	0 30	7 37	1 40	30 58	8 35	23 27	23 32	23 35			n.a.
T 26	10 57	7 30	4 54	14 54	1 49	5 54	7 14	25 15	2 39	10 37	1 19	21 45	1 29	23 20	0 30	7 36	1 40	30 58	8 35	23 27	23 32	23 36			n.a.
F 27	10 36	2 2	5 6	14 9	1 44	5 58	7 21	25 17	2 38	10 36	1 19	21 46	1 29	23 20	0 30	7 35	1 40	30 58	8 35	23 28	23 32	23 36			n.a.
S 28	10s14	3n22	5s 0	13s23	1s39	5n59	7n27	25n18	2n37	10s36	1n19	21n46	1n29	23s19	0s30	7s34	1s40	30s58	8s35	23n28	23n32	23n36			n.a.

Julian Day Number = 1561474.5, Delta T = 04h23m53s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'13, Lahiri = -10°00'12 Julian Calendar 1 Feb. 438 BCE == Greg. Calendar 27 Jan. 438 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

MARCH 438 BCE (-437) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 11 6	4♓47'57	3♉23	1♓23	27°R43	13♊50	0°R35	0°R19	15♑37	14♓55	18♑22	8°R24	7♋20	13♋33	n.a.	S 1
M 2	10 15 2	5°46'59	16° 9	3°23	27♓28	14°11	0♏33	0♌16	15°40	14°57	18°24	8♋19	7°16	13°39	n.a.	M 2
T 3	10 18 59	6°45'58	28°33	5°25	27°10	14°33	0°31	0°12	15°42	14°59	18°25	8°17	7°13	13°46	n.a.	T 3
W 4	10 22 56	7°44'55	10♊39	7°27	26°50	14°55	0°29	0° 9	15°45	15° 1	18°26	8°D17	7°10	13°53	n.a.	W 4
T 5	10 26 52	8°43'50	22°34	9°31	26°27	15°17	0°27	0° 6	15°47	15° 4	18°28	8°18	7° 7	13°59	n.a.	T 5
F 6	10 30 49	9°42'42	4♋23	11°35	26° 3	15°40	0°25	0° 3	15°50	15° 6	18°29	8°R18	7° 4	14° 6	n.a.	F 6
S 7	10 34 45	10°41'32	16° 9	13°40	25°36	16° 3	0°22	29♋59	15°52	15° 8	18°30	8°18	7° 1	14°13	n.a.	S 7
S 8	10 38 42	11°40'19	28° 0	15°45	25° 7	16°26	0°19	29°57	15°54	15°10	18°31	8°16	6°57	14°19	n.a.	S 8
M 9	10 42 38	12°39'04	9♌58	17°50	24°36	16°49	0°16	29°54	15°57	15°13	18°32	8°12	6°54	14°26	n.a.	M 9
T 10	10 46 35	13°37'47	22° 6	19°56	24° 4	17°13	0°13	29°51	15°59	15°15	18°34	8° 5	6°51	14°33	n.a.	T 10
W11	10 50 31	14°36'28	4♍27	22° 0	23°30	17°37	0°10	29°48	16° 1	15°17	18°35	7°55	6°48	14°39	n.a.	W11
T 12	10 54 28	15°35'06	17° 2	24° 5	22°55	18° 1	0° 7	29°46	16° 3	15°19	18°36	7°44	6°45	14°46	n.a.	T 12
F 13	10 58 25	16°33'43	29°51	26° 8	22°19	18°25	0° 3	29°43	16° 5	15°22	18°37	7°32	6°41	14°53	n.a.	F 13
S 14	11 2 21	17°32'17	12♎53	28°10	21°42	18°50	29♎59	29°41	16° 7	15°24	18°38	7°21	6°38	14°59	n.a.	S 14
S 15	11 6 18	18°30'50	26° 8	0♈10	21° 4	19°15	29°55	29°38	16°10	15°26	18°39	7°10	6°35	15° 6	n.a.	S 15
M16	11 10 14	19°29'20	9♏34	2° 8	20°26	19°40	29°51	29°36	16°12	15°28	18°40	7° 3	6°32	15°12	n.a.	M16
T 17	11 14 11	20°27'49	23°10	4° 4	19°48	20° 5	29°47	29°34	16°14	15°31	18°41	6°57	6°29	15°19	n.a.	T 17
W18	11 18 7	21°26'17	6♐56	5°57	19°10	20°31	29°43	29°32	16°15	15°33	18°42	6°55	6°26	15°26	n.a.	W18
T 19	11 22 4	22°24'42	20°52	7°47	18°32	20°57	29°38	29°30	16°17	15°35	18°43	6°D54	6°22	15°32	n.a.	T 19
F 20	11 26 0	23°23'06	4♑57	9°34	17°55	21°23	29°33	29°28	16°19	15°38	18°44	6°R54	6°19	15°39	n.a.	F 20
S 21	11 29 57	24°21'29	19°11	11°17	17°19	21°49	29°28	29°26	16°21	15°40	18°45	6°54	6°16	15°46	n.a.	S 21
S 22	11 33 53	25°19'50	3♒32	12°57	16°44	22°16	29°23	29°25	16°23	15°42	18°46	6°52	6°13	15°52	n.a.	S 22
M23	11 37 50	26°18'09	17°57	14°33	16°10	22°43	29°18	29°23	16°24	15°44	18°47	6°47	6°10	15°59	n.a.	M23
T 24	11 41 47	27°16'26	2♓22	16° 4	15°38	23°10	29°13	29°22	16°26	15°46	18°47	6°40	6° 7	16° 6	n.a.	T 24
W25	11 45 43	28°14'41	16°42	17°32	15° 8	23°37	29° 7	29°20	16°28	15°49	18°48	6°30	6° 3	16°12	n.a.	W25
T 26	11 49 40	29°12'55	0♈50	18°55	14°39	24° 4	29° 2	29°19	16°29	15°51	18°49	6°18	6° 0	16°19	n.a.	T 26
F 27	11 53 36	0♈11'06	14°41	20°13	14°12	24°32	28°56	29°18	16°31	15°53	18°50	6° 6	5°57	16°26	n.a.	F 27
S 28	11 57 33	1° 9'16	28°11	21°27	13°48	24°59	28°50	29°17	16°32	15°55	18°51	5°55	5°54	16°32	n.a.	S 28
S 29	12 1 29	2° 7'24	11♉19	22°37	13°25	25°27	28°44	29°16	16°34	15°58	18°51	5°45	5°51	16°39	n.a.	S 29
M30	12 5 26	3° 5'30	24° 3	23°41	13° 5	25°55	28°38	29°15	16°35	16° 0	18°52	5°38	5°47	16°46	n.a.	M30
T 31	12 9 22	4♈ 3'34	6♊28	24♈41	12♓47	26♊24	28♎32	29♋14	16♑37	16♓ 2	18♑53	5♋34	5♋44	16♋52	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
S 1	9s52	8n27	4s38	12s34	1s33	6n 0	7n34	25n20	2n36	10s35	1n19	21n47	1n29	23s19	0s30	7s33	1s40	30s58	8s35	23n29	23n33	23n36			n.a.	S 1
M 2	9 31	13 1	4 3	11 44	1 27	5 59	7 39	25 21	2 35	10 34	1 19	21 48	1 29	23 19	0 30	7 33	1 40	30 58	8 36	23 29	23 33	23 36			n.a.	M 2
T 3	9 8	16 54	3 17	10 53	1 20	5 57	7 45	25 23	2 34	10 34	1 20	21 49	1 29	23 18	0 30	7 32	1 40	30 58	8 36	23 29	23 33	23 37			n.a.	T 3
W 4	8 46	19 59	2 23	10 0	1 12	5 53	7 49	25 25	2 33	10 33	1 20	21 49	1 29	23 18	0 30	7 31	1 40	30 58	8 36	23 29	23 33	23 37			n.a.	W 4
T 5	8 24	22 9	1 23	9 5	1 4	5 48	7 53	25 26	2 32	10 32	1 20	21 50	1 29	23 18	0 30	7 30	1 40	30 58	8 36	23 29	23 33	23 37			n.a.	T 5
F 6	8 2	23 19	0 21	8 10	0 55	5 41	7 56	25 28	2 31	10 31	1 20	21 51	1 29	23 18	0 30	7 29	1 40	30 58	8 37	23 29	23 33	23 37			n.a.	F 6
S 7	7 39	23 27	0n42	7 13	0 46	5 32	7 59	25 29	2 30	10 30	1 20	21 51	1 29	23 17	0 30	7 28	1 40	30 59	8 37	23 29	23 34	23 37			n.a.	S 7
S 8	7 17	22 31	1 43	6 15	0 37	5 22	8 1	25 31	2 29	10 29	1 20	21 52	1 29	23 17	0 30	7 27	1 40	30 59	8 37	23 29	23 34	23 37			n.a.	S 8
M 9	6 54	20 33	2 41	5 16	0 27	5 11	8 2	25 32	2 28	10 28	1 20	21 53	1 29	23 17	0 30	7 26	1 40	30 59	8 37	23 29	23 34	23 38			n.a.	M 9
T 10	6 31	17 39	3 31	4 17	0 16	4 58	8 2	25 34	2 27	10 26	1 21	21 53	1 29	23 17	0 30	7 25	1 40	30 59	8 38	23 30	23 34	23 38			n.a.	T 10
W11	6 8	13 55	4 13	3 18	0 5	4 44	8 1	25 35	2 26	10 25	1 21	21 54	1 29	23 16	0 30	7 25	1 40	30 59	8 38	23 30	23 34	23 38			n.a.	W11
T 12	5 45	9 31	4 43	2 18	0n 6	4 29	8 0	25 36	2 25	10 24	1 21	21 54	1 29	23 16	0 30	7 24	1 40	30 59	8 38	23 31	23 34	23 38			n.a.	T 12
F 13	5 22	4 38	4 59	1 18	0 17	4 12	7 57	25 38	2 24	10 22	1 21	21 55	1 29	23 16	0 30	7 23	1 40	30 59	8 38	23 32	23 35	23 38			n.a.	F 13
S 14	4 59	0s33	5 1	0 19	0 28	3 54	7 54	25 39	2 23	10 21	1 21	21 55	1 28	23 16	0 30	7 22	1 40	30 59	8 39	23 32	23 35	23 38			n.a.	S 14
S 15	4 36	5 47	4 46	0n40	0 40	3 36	7 50	25 40	2 22	10 20	1 21	21 56	1 28	23 15	0 30	7 21	1 40	30 59	8 39	23 33	23 35	23 38			n.a.	S 15
M16	4 13	10 50	4 15	1 38	0 51	3 16	7 44	25 41	2 21	10 18	1 21	21 56	1 28	23 15	0 30	7 20	1 40	30 59	8 39	23 33	23 35	23 38			n.a.	M16
T 17	3 50	15 25	3 30	2 35	1 2	2 55	7 38	25 42	2 20	10 16	1 21	21 57	1 28	23 15	0 30	7 19	1 40	30 59	8 39	23 34	23 35	23 39			n.a.	T 17
W18	3 26	19 15	2 32	3 31	1 13	2 34	7 32	25 43	2 19	10 15	1 21	21 57	1 28	23 15	0 30	7 18	1 40	31 0	8 40	23 34	23 35	23 39			n.a.	W18
T 19	3 3	22 2	1 24	4 25	1 24	2 12	7 24	25 44	2 18	10 13	1 21	21 57	1 28	23 15	0 30	7 18	1 40	31 0	8 40	23 34	23 36	23 39			n.a.	T 19
F 20	2 40	23 29	0 10	5 17	1 35	1 50	7 15	25 45	2 17	10 11	1 22	21 58	1 28	23 14	0 30	7 17	1 40	31 0	8 40	23 34	23 36	23 39			n.a.	F 20
S 21	2 16	23 25	1s 5	6 8	1 45	1 28	7 6	25 46	2 16	10 9	1 22	21 58	1 28	23 14	0 31	7 16	1 40	31 0	8 40	23 34	23 36	23 39			n.a.	S 21
S 22	1 53	21 49	2 16	6 56	1 55	1 5	6 56	25 46	2 16	10 8	1 22	21 58	1 28	23 14	0 31	7 15	1 41	31 0	8 41	23 34	23 36	23 39			n.a.	S 22
M23	1 29	18 48	3 19	7 42	2 4	0 42	6 46	25 47	2 15	10 6	1 22	21 59	1 28	23 14	0 31	7 14	1 41	31 0	8 41	23 34	23 36	23 39			n.a.	M23
T 24	1 6	14 38	4 9	8 26	2 12	0 20	6 35	25 48	2 14	10 4	1 22	21 59	1 28	23 14	0 31	7 13	1 41	31 0	8 41	23 35	23 36	23 39			n.a.	T 24
W25	0 42	9 39	4 43	9 7	2 20	0s 3	6 23	25 48	2 13	10 2	1 22	21 59	1 28	23 14	0 31	7 12	1 41	31 0	8 41	23 35	23 36	23 39			n.a.	W25
T 26	0 19	4 14	4 59	9 46	2 27	0 25	6 11	25 49	2 12	10 0	1 22	21 59	1 28	23 13	0 31	7 12	1 41	31 1	8 42	23 36	23 37	23 39			n.a.	T 26
F 27	0n 4	1n18	4 57	10 22	2 34	0 47	5 59	25 49	2 11	9 57	1 22	22 0	1 28	23 13	0 31	7 11	1 41	31 1	8 42	23 36	23 37	23 39			n.a.	F 27
S 28	0 28	6 38	4 39	10 55	2 39	1 8	5 46	25 49	2 10	9 55	1 22	22 0	1 28	23 13	0 31	7 10	1 41	31 1	8 42	23 37	23 37	23 39			n.a.	S 28
S 29	0 51	11 32	4 5	11 26	2 44	1 28	5 33	25 49	2 9	9 53	1 22	22 0	1 28	23 13	0 31	7 9	1 41	31 1	8 43	23 37	23 37	23 39			n.a.	S 29
M30	1 15	15 47	3 21	11 54	2 48	1 48	5 20	25 50	2 9	9 51	1 22	22 0	1 28	23 13	0 31	7 8	1 41	31 1	8 43	23 38	23 37	23 39			n.a.	M30
T 31	1n38	19n15	2s27	12n19	2n51	2s 8	5n 7	25n50	2n 8	9s49	1n22	22n 0	1n28	23s13	0s31	7s 7	1s41	31s 1	8s43	23n38	23n37	23n39			n.a.	T 31

Julian Day Number = 1561502.5, Delta T = 04h23m52s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'09, Lahiri = -10°00'08 Julian Calendar 1 March 438 BCE == Greg. Calendar 24 Feb. 438 BCE

The year -437 astronomical counting style corresponds to year 438 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

APRIL 438 BCE (-437) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 13 19	5♈ 1'36	18♊36	25♈36	12°R32	26♊52	28°R25	29°R14	16♑38	16♓ 4	18♑53	5°R32	5♋41	16♋59	n.a.	W 1
T 2	12 17 16	5°59'36	0♋32	26°26	12♓19	27°21	28♎19	29♋13	16°39	16° 6	18°54	5♋31	5°38	17° 5	n.a.	T 2
F 3	12 21 12	6°57'34	12°21	27°11	12° 8	27°50	28°12	29°13	16°40	16° 8	18°54	5°31	5°35	17°12	n.a.	F 3
S 4	12 25 9	7°55'30	24°10	27°51	12° 0	28°19	28° 6	29°12	16°41	16°11	18°55	5°30	5°32	17°19	n.a.	S 4
S 5	12 29 5	8°53'24	6♌ 3	28°25	11°54	28°48	27°59	29°12	16°43	16°13	18°56	5°28	5°28	17°25	n.a.	S 5
M 6	12 33 2	9°51'16	18° 4	28°55	11°51	29°17	27°52	29°12	16°44	16°15	18°56	5°24	5°25	17°32	n.a.	M 6
T 7	12 36 58	10°49'07	0♍20	29°19	11°D50	29°47	27°45	29°D12	16°45	16°17	18°57	5°16	5°22	17°39	n.a.	T 7
W 8	12 40 55	11°46'55	12°51	29°38	11°51	0♋16	27°38	29°12	16°46	16°19	18°57	5° 7	5°19	17°45	n.a.	W 8
T 9	12 44 51	12°44'42	25°41	29°52	11°54	0°46	27°31	29°12	16°47	16°21	18°58	4°55	5°16	17°52	n.a.	T 9
F 10	12 48 48	13°42'27	8♎48	0♌ 1	12° 0	1°16	27°24	29°12	16°47	16°23	18°58	4°43	5°12	17°59	n.a.	F 10
S 11	12 52 44	14°40'11	22°12	0°R 5	12° 8	1°46	27°17	29°13	16°48	16°25	18°58	4°31	5° 9	18° 5	n.a.	S 11
S 12	12 56 41	15°37'53	5♏51	0° 4	12°19	2°16	27° 9	29°13	16°49	16°27	18°59	4°20	5° 6	18°12	n.a.	S 12
M13	13 0 38	16°35'34	19°41	29♈58	12°31	2°46	27° 2	29°14	16°50	16°29	18°59	4°12	5° 3	18°19	n.a.	M13
T 14	13 4 34	17°33'13	3♐39	29°48	12°46	3°17	26°55	29°15	16°50	16°31	18°59	4° 7	5° 0	18°25	n.a.	T 14
W15	13 8 31	18°30'52	17°42	29°33	13° 2	3°47	26°47	29°15	16°51	16°33	19° 0	4° 4	4°57	18°32	n.a.	W15
T 16	13 12 27	19°28'29	1♑48	29°14	13°20	4°18	26°40	29°16	16°52	16°35	19° 0	4°D 3	4°53	18°39	n.a.	T 16
F 17	13 16 24	20°26'05	15°55	28°52	13°40	4°49	26°32	29°17	16°52	16°37	19° 0	4°R 3	4°50	18°45	n.a.	F 17
S 18	13 20 20	21°23'41	0♒ 3	28°26	14° 2	5°20	26°25	29°18	16°53	16°39	19° 0	4° 3	4°47	18°52	n.a.	S 18
S 19	13 24 17	22°21'15	14°10	27°58	14°26	5°51	26°17	29°20	16°53	16°41	19° 1	4° 1	4°44	18°58	n.a.	S 19
M20	13 28 14	23°18'48	28°15	27°27	14°52	6°22	26° 9	29°21	16°54	16°43	19° 1	3°57	4°41	19° 5	n.a.	M20
T 21	13 32 10	24°16'20	12♓15	26°54	15°18	6°54	26° 2	29°22	16°54	16°45	19° 1	3°51	4°38	19°12	n.a.	T 21
W22	13 36 7	25°13'51	26° 9	26°21	15°47	7°25	25°54	29°24	16°54	16°47	19° 1	3°42	4°34	19°18	n.a.	W22
T 23	13 40 3	26°11'20	9♈52	25°47	16°17	7°57	25°47	29°25	16°54	16°49	19° 1	3°31	4°31	19°25	n.a.	T 23
F 24	13 44 0	27° 8'49	23°21	25°13	16°48	8°29	25°39	29°27	16°55	16°50	19° 1	3°20	4°28	19°32	n.a.	F 24
S 25	13 47 56	28° 6'17	6♉33	24°39	17°21	9° 0	25°31	29°29	16°55	16°52	19° 1	3°10	4°25	19°38	n.a.	S 25
S 26	13 51 53	29° 3'43	19°28	24° 7	17°55	9°32	25°24	29°31	16°55	16°54	19°R 1	3° 1	4°22	19°45	n.a.	S 26
M27	13 55 49	0♉ 1'09	2♊ 4	23°36	18°31	10° 4	25°16	29°33	16°R55	16°56	19° 1	2°55	4°18	19°52	n.a.	M27
T 28	13 59 46	0°58'33	14°24	23° 8	19° 7	10°37	25° 8	29°35	16°55	16°58	19° 1	2°51	4°15	19°58	n.a.	T 28
W29	14 3 42	1°55'56	26°29	22°42	19°45	11° 9	25° 1	29°37	16°55	16°59	19° 1	2°49	4°12	20° 5	n.a.	W29
T 30	14 7 39	2♉53'18	8♋25	22♈19	20♓24	11♋41	24♎53	29♋40	16♑55	17♓ 1	19♑ 1	2°D49	4♋ 9	20♋12	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n 1	21n47	1s28	12n41	2n52	2s26	4n53	25n49	2n 7	9s46	1n22	22n 0	1n28	23s12	0s31	7s 6	1s41	31s 2	8s43	23n38	23n37	23n39		n.a.
T 2	2 25	23 18	0 26	13 1	2 53	2 43	4 40	25 49	2 6	9 44	1 22	22 0	1 27	23 12	0 31	7 6	1 41	31 2	8 44	23 38	23 38	23 39		n.a.
F 3	2 48	23 46	0n36	13 17	2 53	3 0	4 26	25 49	2 5	9 42	1 22	22 0	1 27	23 12	0 31	7 5	1 41	31 2	8 44	23 38	23 38	23 39		n.a.
S 4	3 11	23 9	1 37	13 31	2 52	3 16	4 13	25 48	2 4	9 39	1 22	22 0	1 27	23 12	0 31	7 4	1 41	31 2	8 44	23 38	23 38	23 39		n.a.
S 5	3 34	21 29	2 34	13 41	2 50	3 30	3 59	25 48	2 3	9 37	1 22	22 0	1 27	23 12	0 31	7 3	1 41	31 2	8 45	23 38	23 38	23 39		n.a.
M 6	3 57	18 51	3 25	13 49	2 46	3 44	3 46	25 47	2 3	9 34	1 22	22 0	1 27	23 12	0 31	7 2	1 41	31 3	8 45	23 38	23 38	23 39		n.a.
T 7	4 20	15 21	4 7	13 54	2 42	3 57	3 33	25 47	2 2	9 32	1 22	22 0	1 27	23 12	0 31	7 2	1 41	31 3	8 45	23 38	23 38	23 39		n.a.
W 8	4 43	11 6	4 39	13 55	2 36	4 8	3 20	25 46	2 1	9 29	1 22	22 0	1 27	23 12	0 31	7 1	1 41	31 3	8 45	23 39	23 38	23 39		n.a.
T 9	5 6	6 16	4 57	13 54	2 30	4 19	3 7	25 45	2 0	9 27	1 22	22 0	1 27	23 12	0 31	7 0	1 41	31 3	8 46	23 39	23 39	23 39		n.a.
F 10	5 29	1 3	5 0	13 50	2 22	4 28	2 54	25 44	1 59	9 24	1 22	22 0	1 27	23 12	0 31	6 59	1 41	31 3	8 46	23 40	23 39	23 39		n.a.
S 11	5 51	4s20	4 47	13 43	2 13	4 37	2 41	25 43	1 58	9 21	1 22	22 0	1 27	23 11	0 31	6 58	1 41	31 4	8 46	23 40	23 39	23 39		n.a.
S 12	6 14	9 36	4 17	13 33	2 2	4 44	2 29	25 41	1 58	9 19	1 22	21 59	1 27	23 11	0 31	6 58	1 41	31 4	8 47	23 41	23 39	23 39		n.a.
M13	6 36	14 29	3 32	13 20	1 51	4 51	2 17	25 40	1 57	9 16	1 22	21 59	1 27	23 11	0 31	6 57	1 41	31 4	8 47	23 41	23 39	23 39		n.a.
T 14	6 59	18 38	2 34	13 5	1 39	4 56	2 5	25 38	1 56	9 14	1 22	21 59	1 27	23 11	0 31	6 56	1 41	31 4	8 47	23 41	23 39	23 39		n.a.
W15	7 21	21 45	1 26	12 47	1 25	5 1	1 53	25 37	1 55	9 11	1 22	21 59	1 27	23 11	0 31	6 55	1 41	31 5	8 47	23 41	23 39	23 39		n.a.
T 16	7 43	23 32	0 12	12 27	1 11	5 4	1 42	25 35	1 54	9 8	1 22	21 59	1 27	23 11	0 31	6 55	1 41	31 5	8 48	23 41	23 39	23 39		n.a.
F 17	8 5	23 49	1s 3	12 5	0 56	5 7	1 30	25 33	1 54	9 5	1 22	21 58	1 26	23 11	0 31	6 54	1 41	31 5	8 48	23 41	23 40	23 39		n.a.
S 18	8 27	22 34	2 13	11 41	0 41	5 8	1 20	25 31	1 53	9 3	1 22	21 58	1 26	23 11	0 31	6 53	1 41	31 5	8 48	23 41	23 40	23 39		n.a.
S 19	8 49	19 55	3 16	11 16	0 24	5 9	1 9	25 29	1 52	9 0	1 22	21 58	1 26	23 11	0 31	6 52	1 41	31 6	8 49	23 41	23 40	23 38		n.a.
M20	9 10	16 5	4 6	10 49	0 7	5 8	0 59	25 27	1 51	8 57	1 22	21 57	1 26	23 11	0 31	6 52	1 41	31 6	8 49	23 41	23 40	23 38		n.a.
T 21	9 32	11 22	4 42	10 21	0s10	5 7	0 49	25 24	1 51	8 55	1 22	21 57	1 26	23 11	0 32	6 51	1 41	31 6	8 49	23 41	23 40	23 38		n.a.
W22	9 53	6 8	5 0	9 53	0 27	5 5	0 39	25 22	1 50	8 52	1 22	21 57	1 26	23 11	0 32	6 50	1 41	31 7	8 50	23 42	23 40	23 38		n.a.
T 23	10 14	0 39	5 1	9 24	0 44	5 2	0 29	25 19	1 49	8 49	1 22	21 56	1 26	23 11	0 32	6 50	1 41	31 7	8 50	23 42	23 40	23 38		n.a.
F 24	10 35	4n47	4 45	8 56	1 1	4 58	0 20	25 16	1 48	8 46	1 22	21 56	1 26	23 11	0 32	6 49	1 41	31 7	8 50	23 42	23 40	23 38		n.a.
S 25	10 56	9 53	4 13	8 28	1 18	4 53	0 11	25 13	1 47	8 44	1 21	21 55	1 26	23 11	0 32	6 48	1 41	31 7	8 50	23 43	23 40	23 38		n.a.
S 26	11 17	14 28	3 30	8 1	1 34	4 48	0 2	25 10	1 47	8 41	1 21	21 55	1 26	23 11	0 32	6 48	1 42	31 8	8 51	23 43	23 41	23 38		n.a.
M27	11 37	18 17	2 37	7 35	1 49	4 42	0s 6	25 7	1 46	8 38	1 21	21 54	1 26	23 11	0 32	6 47	1 42	31 8	8 51	23 43	23 41	23 37		n.a.
T 28	11 58	21 13	1 37	7 11	2 4	4 35	0 14	25 4	1 45	8 36	1 21	21 54	1 26	23 11	0 32	6 46	1 42	31 8	8 51	23 43	23 41	23 37		n.a.
W29	12 18	23 8	0 34	6 48	2 18	4 27	0 22	25 0	1 44	8 33	1 21	21 53	1 26	23 11	0 32	6 46	1 42	31 9	8 52	23 43	23 41	23 37		n.a.
T 30	12n38	23n59	0n30	6n27	2s31	4s19	0s30	24n57	1n44	8s30	1n21	21n53	1n25	23s11	0s32	6s45	1s42	31s 9	8s52	23n43	23n41	23n37		n.a.

Julian Day Number = 1561533.5, Delta T = 04h23m51s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'05, Lahiri = -10°00'04 Julian Calendar 1 Apr. 438 BCE == Greg. Calendar 27 March 438 BCE

The year -437 astronomical counting style corresponds to year 438 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

MAY 438 BCE (-437) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 11 36	3♉50'38	20♋14	22°R 0	21♓ 4	12♋14	24°R46	29♋42	16°R55	17♓ 3	19°R 1	2♋50	4♋ 6	20♋18	n.a.	F 1
S 2	14 15 32	4°47'58	2♌ 3	21♈44	21°45	12°47	24♎38	29°44	16♑54	17° 4	19♑ 1	2°R51	4° 3	20°25	n.a.	S 2
S 3	14 19 29	5°45'16	13°57	21°33	22°27	13°19	24°31	29°47	16°54	17° 6	19° 0	2°50	3°59	20°32	n.a.	S 3
M 4	14 23 25	6°42'33	26° 1	21°26	23° 9	13°52	24°24	29°50	16°54	17° 8	19° 0	2°48	3°56	20°38	n.a.	M 4
T 5	14 27 22	7°39'48	8♍19	21°D23	23°53	14°25	24°16	29°53	16°54	17° 9	19° 0	2°44	3°53	20°45	n.a.	T 5
W 6	14 31 18	8°37'03	20°56	21°24	24°38	14°58	24° 9	29°55	16°53	17°11	19° 0	2°38	3°50	20°52	n.a.	W 6
T 7	14 35 15	9°34'17	3♎54	21°30	25°24	15°31	24° 2	29°58	16°53	17°12	18°59	2°30	3°47	20°58	n.a.	T 7
F 8	14 39 11	10°31'30	17°14	21°40	26°10	16° 4	23°55	0♌ 1	16°52	17°14	18°59	2°22	3°44	21° 5	n.a.	F 8
S 9	14 43 8	11°28'42	0♏56	21°55	26°57	16°38	23°48	0° 5	16°52	17°15	18°59	2°14	3°40	21°12	n.a.	S 9
S 10	14 47 5	12°25'53	14°56	22°15	27°45	17°11	23°41	0° 8	16°51	17°17	18°58	2° 6	3°37	21°18	n.a.	S 10
M11	14 51 1	13°23'04	29°10	22°39	28°34	17°45	23°34	0°11	16°50	17°18	18°58	2° 1	3°34	21°25	n.a.	M11
T 12	14 54 58	14°20'14	13♐33	23° 7	29°23	18°18	23°27	0°15	16°50	17°20	18°58	1°57	3°31	21°31	n.a.	T 12
W13	14 58 54	15°17'24	28° 0	23°40	0♈13	18°52	23°21	0°18	16°49	17°21	18°57	1°D56	3°28	21°38	n.a.	W13
T 14	15 2 51	16°14'33	12♑26	24°17	1° 4	19°26	23°14	0°22	16°48	17°23	18°57	1°56	3°24	21°45	n.a.	T 14
F 15	15 6 47	17°11'42	26°47	24°58	1°56	20° 0	23° 8	0°25	16°48	17°24	18°56	1°57	3°21	21°51	n.a.	F 15
S 16	15 10 44	18° 8'51	11♒ 1	25°43	2°48	20°34	23° 1	0°29	16°47	17°25	18°56	1°58	3°18	21°58	n.a.	S 16
S 17	15 14 41	19° 6'00	25° 5	26°32	3°40	21° 8	22°55	0°33	16°46	17°27	18°55	1°R58	3°15	22° 5	n.a.	S 17
M18	15 18 37	20° 3'08	8♓59	27°25	4°34	21°42	22°49	0°37	16°45	17°28	18°55	1°57	3°12	22°11	n.a.	M18
T 19	15 22 34	21° 0'17	22°42	28°23	5°27	22°16	22°43	0°41	16°44	17°29	18°54	1°54	3° 9	22°18	n.a.	T 19
W20	15 26 30	21°57'25	6♈13	29°24	6°22	22°50	22°37	0°45	16°43	17°30	18°54	1°49	3° 5	22°25	n.a.	W20
T 21	15 30 27	22°54'33	19°31	0♉28	7°17	23°25	22°32	0°49	16°42	17°31	18°53	1°43	3° 2	22°31	n.a.	T 21
F 22	15 34 23	23°51'41	2♉36	1°37	8°12	23°59	22°26	0°53	16°41	17°33	18°52	1°36	2°59	22°38	n.a.	F 22
S 23	15 38 20	24°48'49	15°27	2°49	9° 8	24°34	22°20	0°58	16°39	17°34	18°52	1°30	2°56	22°45	n.a.	S 23
S 24	15 42 16	25°45'57	28° 4	4° 4	10° 4	25° 9	22°15	1° 2	16°38	17°35	18°51	1°26	2°53	22°51	n.a.	S 24
M25	15 46 13	26°43'04	10♊27	5°23	11° 1	25°43	22°10	1° 7	16°37	17°36	18°50	1°22	2°49	22°58	n.a.	M25
T 26	15 50 10	27°40'12	22°37	6°46	11°58	26°18	22° 5	1°11	16°36	17°37	18°50	1°20	2°46	23° 5	n.a.	T 26
W27	15 54 6	28°37'19	4♋37	8°12	12°55	26°53	22° 0	1°16	16°34	17°38	18°49	1°D20	2°43	23°11	n.a.	W27
T 28	15 58 3	29°34'26	16°30	9°42	13°53	27°28	21°55	1°21	16°33	17°39	18°48	1°21	2°40	23°18	n.a.	T 28
F 29	16 1 59	0♊31'33	28°18	11°15	14°52	28° 3	21°51	1°25	16°32	17°40	18°47	1°22	2°37	23°25	n.a.	F 29
S 30	16 5 56	1°28'39	10♌ 7	12°51	15°50	28°38	21°46	1°30	16°30	17°41	18°47	1°24	2°34	23°31	n.a.	S 30
S 31	16 9 52	2♊25'45	22♌ 0	14♉31	16♈49	29♋14	21♎42	1♌35	16♑29	17♓42	18♑46	1♋25	2♋30	23♋38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12n58	23n43	1n32	6n 9	2s44	4s10	0s37	24n53	1n43	8s28	1n21	21n52	1n25	23s11	0s32	6s44	1s42	31s 9	8s52	23n43	23n41	23n37		n.a.
S 2	13 17	22 24	2 30	5 53	2 55	4 0	0 45	24 49	1 42	8 25	1 21	21 51	1 25	23 11	0 32	6 44	1 42	31 9	8 52	23 43	23 41	23 37		n.a.
S 3	13 37	20 4	3 22	5 40	3 5	3 49	0 51	24 45	1 41	8 22	1 20	21 51	1 25	23 11	0 32	6 43	1 42	31 10	8 53	23 43	23 41	23 36		n.a.
M 4	13 56	16 51	4 6	5 29	3 13	3 38	0 58	24 41	1 41	8 20	1 20	21 50	1 25	23 12	0 32	6 42	1 42	31 10	8 53	23 43	23 41	23 36		n.a.
T 5	14 15	12 52	4 39	5 20	3 21	3 27	1 5	24 37	1 40	8 17	1 20	21 49	1 25	23 12	0 32	6 42	1 42	31 10	8 53	23 43	23 41	23 36		n.a.
W 6	14 33	8 13	5 0	5 15	3 28	3 14	1 11	24 32	1 39	8 15	1 20	21 49	1 25	23 12	0 32	6 41	1 42	31 11	8 54	23 43	23 42	23 36		n.a.
T 7	14 52	3 6	5 6	5 12	3 33	3 2	1 17	24 28	1 38	8 12	1 20	21 48	1 25	23 12	0 32	6 41	1 42	31 11	8 54	23 43	23 42	23 36		n.a.
F 8	15 10	2s18	4 56	5 12	3 37	2 48	1 23	24 23	1 38	8 10	1 20	21 47	1 25	23 12	0 32	6 40	1 42	31 11	8 54	23 44	23 42	23 35		n.a.
S 9	15 28	7 45	4 29	5 15	3 40	2 34	1 28	24 18	1 37	8 7	1 19	21 47	1 25	23 12	0 32	6 40	1 42	31 12	8 54	23 44	23 42	23 35		n.a.
S 10	15 46	12 56	3 46	5 20	3 43	2 20	1 33	24 13	1 36	8 5	1 19	21 46	1 25	23 12	0 32	6 39	1 42	31 12	8 55	23 44	23 42	23 35		n.a.
M11	16 4	17 31	2 47	5 28	3 44	2 5	1 39	24 8	1 36	8 3	1 19	21 45	1 25	23 12	0 32	6 39	1 42	31 12	8 55	23 44	23 42	23 35		n.a.
T 12	16 21	21 6	1 38	5 38	3 44	1 49	1 43	24 3	1 35	8 0	1 19	21 44	1 25	23 12	0 32	6 38	1 42	31 13	8 55	23 44	23 42	23 35		n.a.
W13	16 38	23 23	0 21	5 51	3 43	1 34	1 48	23 57	1 34	7 58	1 19	21 43	1 25	23 12	0 32	6 38	1 42	31 13	8 56	23 44	23 42	23 34		n.a.
T 14	16 55	24 6	0s57	6 6	3 41	1 17	1 53	23 52	1 33	7 56	1 19	21 43	1 25	23 13	0 32	6 37	1 42	31 13	8 56	23 44	23 42	23 34		n.a.
F 15	17 11	23 12	2 10	6 24	3 39	1 0	1 57	23 46	1 33	7 54	1 18	21 42	1 24	23 13	0 32	6 37	1 42	31 14	8 56	23 44	23 42	23 34		n.a.
S 16	17 27	20 49	3 16	6 44	3 35	0 43	2 1	23 40	1 32	7 51	1 18	21 41	1 24	23 13	0 32	6 36	1 43	31 14	8 56	23 44	23 42	23 34		n.a.
S 17	17 43	17 13	4 8	7 6	3 31	0 26	2 5	23 34	1 31	7 49	1 18	21 40	1 24	23 13	0 32	6 36	1 43	31 14	8 57	23 44	23 42	23 33		n.a.
M18	17 59	12 42	4 46	7 30	3 26	0 8	2 9	23 28	1 30	7 47	1 18	21 39	1 24	23 13	0 32	6 35	1 43	31 15	8 57	23 44	23 43	23 33		n.a.
T 19	18 14	7 36	5 6	7 55	3 20	0n11	2 12	23 21	1 30	7 45	1 17	21 38	1 24	23 13	0 32	6 35	1 43	31 15	8 57	23 44	23 43	23 33		n.a.
W20	18 29	2 13	5 9	8 23	3 14	0 29	2 15	23 15	1 29	7 43	1 17	21 37	1 24	23 13	0 32	6 34	1 43	31 15	8 57	23 44	23 43	23 32		n.a.
T 21	18 44	3n11	4 55	8 53	3 6	0 48	2 19	23 8	1 28	7 41	1 17	21 36	1 24	23 14	0 32	6 34	1 43	31 16	8 58	23 44	23 43	23 32		n.a.
F 22	18 59	8 22	4 26	9 24	2 59	1 8	2 22	23 2	1 28	7 39	1 17	21 35	1 24	23 14	0 32	6 34	1 43	31 16	8 58	23 44	23 43	23 32		n.a.
S 23	19 13	13 6	3 44	9 56	2 50	1 27	2 24	22 55	1 27	7 37	1 17	21 34	1 24	23 14	0 33	6 33	1 43	31 17	8 58	23 44	23 43	23 32		n.a.
S 24	19 27	17 12	2 52	10 30	2 42	1 47	2 27	22 48	1 26	7 36	1 16	21 33	1 24	23 14	0 33	6 33	1 43	31 17	8 59	23 44	23 43	23 31		n.a.
M25	19 40	20 28	1 52	11 6	2 32	2 7	2 29	22 40	1 26	7 34	1 16	21 32	1 24	23 14	0 33	6 32	1 43	31 17	8 59	23 44	23 43	23 31		n.a.
T 26	19 54	22 45	0 47	11 43	2 22	2 28	2 32	22 33	1 25	7 32	1 16	21 31	1 24	23 14	0 33	6 32	1 43	31 18	8 59	23 44	23 43	23 31		n.a.
W27	20 7	23 58	0n18	12 20	2 12	2 49	2 34	22 25	1 24	7 31	1 16	21 30	1 24	23 15	0 33	6 32	1 43	31 18	8 59	23 44	23 43	23 30		n.a.
T 28	20 19	24 4	1 22	12 59	2 1	3 10	2 36	22 18	1 23	7 29	1 15	21 29	1 24	23 15	0 33	6 31	1 43	31 18	9 0	23 44	23 43	23 30		n.a.
F 29	20 31	23 6	2 23	13 39	1 51	3 31	2 38	22 10	1 23	7 28	1 15	21 28	1 24	23 15	0 33	6 31	1 43	31 19	9 0	23 44	23 43	23 30		n.a.
S 30	20 43	21 6	3 17	14 19	1 39	3 52	2 39	22 2	1 22	7 26	1 15	21 26	1 24	23 15	0 33	6 31	1 43	31 19	9 0	23 44	23 43	23 29		n.a.
S 31	20n55	18n11	4n 3	15n 0	1s28	4n13	2s41	21n54	1n21	7s25	1n15	21n25	1n24	23s15	0s33	6s30	1s43	31s19	9s 0	23n44	23n43	23n29		n.a.

Julian Day Number = 1561563.5, Delta T = 04h23m50s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°07'01, Lahiri = -10°00'00 Julian Calendar 1 May 438 BCE == Greg. Calendar 26 Apr. 438 BCE

The year -437 astronomical counting style corresponds to year 438 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

JUNE 438 BCE (-437) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 13 49	3♊22'51	4♍ 4	16♉14	17♈49	29♋49	21°R38	1♌40	16°R27	17♓43	18°R45	1°R26	2♋27	23♋45	n.a.	M 1
T 2	16 17 45	4°19'57	16°21	18° 0	18°48	0♌24	21♎34	1°45	16♉26	17°43	18♉44	1♋25	2°24	23°51	n.a.	T 2
W 3	16 21 42	5°17'02	28°58	19°48	19°48	1° 0	21°30	1°50	16°24	17°44	18°43	1°23	2°21	23°58	n.a.	W 3
T 4	16 25 39	6°14'07	11♎58	21°40	20°49	1°35	21°26	1°56	16°22	17°45	18°42	1°21	2°18	24° 5	n.a.	T 4
F 5	16 29 35	7°11'13	25°22	23°35	21°50	2°11	21°23	2° 1	16°21	17°46	18°41	1°17	2°15	24°11	n.a.	F 5
S 6	16 33 32	8° 8'18	9♏11	25°32	22°51	2°47	21°19	2° 6	16°19	17°46	18°40	1°14	2°11	24°18	n.a.	S 6
S 7	16 37 28	9° 5'24	23°24	27°31	23°52	3°23	21°16	2°12	16°17	17°47	18°40	1°11	2° 8	24°24	n.a.	S 7
M 8	16 41 25	10° 2'29	7♐55	29°33	24°53	3°58	21°13	2°17	16°16	17°48	18°39	1° 9	2° 5	24°31	n.a.	M 8
T 9	16 45 21	10°59'35	22°40	1♊36	25°55	4°34	21°11	2°23	16°14	17°48	18°38	1° 8	2° 2	24°38	n.a.	T 9
W10	16 49 18	11°56'42	7♑31	3°41	26°58	5°10	21° 8	2°28	16°12	17°49	18°37	1°D 8	1°59	24°44	n.a.	W10
T 11	16 53 15	12°53'49	22°21	5°48	28° 0	5°46	21° 6	2°34	16°10	17°49	18°36	1° 9	1°55	24°51	n.a.	T 11
F 12	16 57 11	13°50'57	7♒ 2	7°55	29° 3	6°23	21° 3	2°40	16° 8	17°50	18°35	1°10	1°52	24°58	n.a.	F 12
S 13	17 1 8	14°48'05	21°31	10° 3	0♉ 6	6°59	21° 1	2°45	16° 6	17°50	18°33	1°11	1°49	25° 4	n.a.	S 13
S 14	17 5 4	15°45'14	5♓43	12°12	1° 9	7°35	20°59	2°51	16° 4	17°51	18°32	1°12	1°46	25°11	n.a.	S 14
M15	17 9 1	16°42'24	19°36	14°20	2°12	8°11	20°58	2°57	16° 2	17°51	18°31	1°R12	1°43	25°18	n.a.	M15
T 16	17 12 57	17°39'34	3♈11	16°29	3°16	8°48	20°56	3° 3	16° 0	17°52	18°30	1°11	1°40	25°24	n.a.	T 16
W17	17 16 54	18°36'46	16°28	18°37	4°20	9°24	20°55	3° 9	15°58	17°52	18°29	1°10	1°36	25°31	n.a.	W17
T 18	17 20 50	19°33'58	29°29	20°44	5°24	10° 1	20°53	3°15	15°56	17°52	18°28	1° 9	1°33	25°38	n.a.	T 18
F 19	17 24 47	20°31'11	12♉13	22°50	6°28	10°38	20°52	3°21	15°54	17°53	18°27	1° 8	1°30	25°44	n.a.	F 19
S 20	17 28 44	21°28'25	24°45	24°56	7°33	11°14	20°52	3°27	15°52	17°53	18°26	1° 6	1°27	25°51	n.a.	S 20
S 21	17 32 40	22°25'40	7♊ 4	27° 0	8°38	11°51	20°51	3°34	15°50	17°53	18°25	1° 5	1°24	25°58	n.a.	S 21
M22	17 36 37	23°22'56	19°13	29° 4	9°43	12°28	20°51	3°40	15°48	17°53	18°23	1° 5	1°21	26° 4	n.a.	M22
T 23	17 40 33	24°20'13	1♋13	1♋ 5	10°48	13° 5	20°50	3°46	15°46	17°53	18°22	1°D 4	1°17	26°11	n.a.	T 23
W24	17 44 30	25°17'30	13° 7	3° 6	11°53	13°42	20°D50	3°53	15°44	17°54	18°21	1° 5	1°14	26°18	n.a.	W24
T 25	17 48 26	26°14'48	24°56	5° 4	12°59	14°19	20°50	3°59	15°41	17°54	18°20	1° 5	1°11	26°24	n.a.	T 25
F 26	17 52 23	27°12'07	6♌44	7° 2	14° 5	14°56	20°51	4° 6	15°39	17°54	18°19	1° 5	1° 8	26°31	n.a.	F 26
S 27	17 56 19	28° 9'27	18°33	8°57	15°10	15°33	20°51	4°12	15°37	17°R54	18°17	1° 6	1° 5	26°38	n.a.	S 27
S 28	18 0 16	29° 6'47	0♍27	10°51	16°17	16°11	20°52	4°19	15°35	17°54	18°16	1° 6	1° 1	26°44	n.a.	S 28
M29	18 4 13	0♋ 4'08	12°30	12°44	17°23	16°48	20°53	4°25	15°32	17°54	18°15	1° 6	0°58	26°51	n.a.	M29
T 30	18 8 9	1♋ 1'30	24♍46	14♋34	18♉29	17♌25	20♎54	4♌32	15♉30	17♓54	18♉14	1♋ 6	0♋55	26♋58	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n 6	14n28	4n39	15n42	1s16	4n35	2s42	21n46	1n21	7s23	1n14	21n24	1n24	23s16	0s33	6s30	1s43	31s20	9s 0	23n44	23n43	23n28		n.a.
T 2	21 17	10 6	5 4	16 23	1 4	4 57	2 43	21 37	1 20	7 22	1 14	21 23	1 24	23 16	0 33	6 30	1 44	31 20	9 1	23 44	23 44	23 28		n.a.
W 3	21 27	5 12	5 14	17 5	0 52	5 19	2 44	21 29	1 19	7 21	1 14	21 22	1 23	23 16	0 33	6 30	1 44	31 20	9 1	23 44	23 44	23 28		n.a.
T 4	21 38	0s 3	5 9	17 46	0 40	5 41	2 45	21 20	1 19	7 20	1 13	21 20	1 23	23 16	0 33	6 29	1 44	31 21	9 1	23 44	23 44	23 27		n.a.
F 5	21 47	5 29	4 47	18 27	0 29	6 3	2 46	21 11	1 18	7 19	1 13	21 19	1 23	23 17	0 33	6 29	1 44	31 21	9 1	23 45	23 44	23 27		n.a.
S 6	21 57	10 49	4 8	19 7	0 17	6 25	2 46	21 3	1 17	7 18	1 13	21 18	1 23	23 17	0 33	6 29	1 44	31 22	9 2	23 45	23 44	23 27		n.a.
S 7	22 6	15 45	3 13	19 46	0 5	6 48	2 47	20 53	1 16	7 17	1 13	21 17	1 23	23 17	0 33	6 29	1 44	31 22	9 2	23 45	23 44	23 26		n.a.
M 8	22 15	19 52	2 5	20 25	0n 6	7 10	2 47	20 44	1 16	7 16	1 12	21 15	1 23	23 17	0 33	6 28	1 44	31 22	9 2	23 45	23 44	23 26		n.a.
T 9	22 23	22 46	0 47	21 2	0 17	7 33	2 48	20 35	1 15	7 15	1 12	21 14	1 23	23 18	0 33	6 28	1 44	31 23	9 2	23 45	23 44	23 25		n.a.
W10	22 31	24 7	0s35	21 37	0 28	7 55	2 48	20 25	1 14	7 14	1 12	21 13	1 23	23 18	0 33	6 28	1 44	31 23	9 2	23 45	23 44	23 25		n.a.
T 11	22 38	23 45	1 55	22 10	0 38	8 18	2 48	20 16	1 14	7 14	1 12	21 11	1 23	23 18	0 33	6 28	1 44	31 23	9 3	23 45	23 44	23 25		n.a.
F 12	22 45	21 45	3 6	22 41	0 47	8 40	2 47	20 6	1 13	7 13	1 11	21 10	1 23	23 18	0 33	6 28	1 44	31 24	9 3	23 45	23 44	23 24		n.a.
S 13	22 52	18 21	4 4	23 10	0 56	9 3	2 47	19 56	1 12	7 13	1 11	21 9	1 23	23 19	0 33	6 28	1 44	31 24	9 3	23 45	23 44	23 24		n.a.
S 14	22 58	13 57	4 46	23 37	1 5	9 25	2 47	19 46	1 12	7 12	1 11	21 7	1 23	23 19	0 33	6 28	1 44	31 24	9 3	23 45	23 44	23 23		n.a.
M15	23 4	8 54	5 10	24 1	1 12	9 48	2 46	19 36	1 11	7 12	1 10	21 6	1 23	23 19	0 33	6 27	1 44	31 25	9 3	23 45	23 44	23 23		n.a.
T 16	23 10	3 33	5 16	24 22	1 19	10 10	2 46	19 25	1 10	7 11	1 10	21 4	1 23	23 19	0 33	6 27	1 44	31 25	9 4	23 45	23 44	23 22		n.a.
W17	23 15	1n52	5 5	24 40	1 26	10 33	2 45	19 15	1 10	7 11	1 10	21 3	1 23	23 20	0 33	6 27	1 44	31 25	9 4	23 45	23 44	23 22		n.a.
T 18	23 20	7 5	4 39	24 56	1 31	10 55	2 44	19 4	1 9	7 11	1 10	21 1	1 23	23 20	0 33	6 27	1 45	31 26	9 4	23 45	23 44	23 21		n.a.
F 19	23 24	11 55	3 59	25 9	1 36	11 17	2 43	18 53	1 8	7 11	1 9	21 0	1 23	23 20	0 33	6 27	1 45	31 26	9 4	23 45	23 44	23 21		n.a.
S 20	23 28	16 9	3 8	25 19	1 40	11 39	2 42	18 43	1 8	7 11	1 9	20 59	1 23	23 20	0 33	6 27	1 45	31 26	9 4	23 45	23 44	23 20		n.a.
S 21	23 32	19 39	2 9	25 27	1 44	12 2	2 41	18 32	1 7	7 11	1 9	20 57	1 23	23 21	0 33	6 27	1 45	31 27	9 5	23 45	23 44	23 20		n.a.
M22	23 35	22 13	1 5	25 31	1 46	12 23	2 39	18 20	1 6	7 11	1 8	20 56	1 23	23 21	0 33	6 27	1 45	31 27	9 5	23 45	23 44	23 19		n.a.
T 23	23 37	23 45	0n 1	25 33	1 49	12 45	2 38	18 9	1 6	7 11	1 8	20 54	1 23	23 21	0 33	6 27	1 45	31 28	9 5	23 45	23 44	23 19		n.a.
W24	23 40	24 12	1 6	25 33	1 50	13 7	2 37	17 58	1 5	7 11	1 8	20 52	1 23	23 22	0 33	6 27	1 45	31 28	9 5	23 45	23 45	23 18		n.a.
T 25	23 42	23 32	2 9	25 29	1 51	13 28	2 35	17 46	1 4	7 12	1 7	20 51	1 23	23 22	0 33	6 27	1 45	31 28	9 5	23 45	23 45	23 18		n.a.
F 26	23 43	21 49	3 5	25 24	1 51	13 50	2 33	17 34	1 4	7 12	1 7	20 49	1 23	23 22	0 33	6 27	1 45	31 29	9 5	23 45	23 45	23 17		n.a.
S 27	23 44	19 10	3 54	25 16	1 50	14 11	2 32	17 23	1 3	7 13	1 7	20 48	1 23	23 22	0 33	6 27	1 45	31 29	9 6	23 45	23 45	23 17		n.a.
S 28	23 45	15 43	4 33	25 6	1 49	14 32	2 30	17 11	1 2	7 13	1 7	20 46	1 23	23 23	0 33	6 27	1 45	31 29	9 6	23 45	23 45	23 16		n.a.
M29	23 45	11 35	5 1	24 55	1 47	14 52	2 28	16 59	1 1	7 14	1 6	20 45	1 23	23 23	0 33	6 27	1 45	31 29	9 6	23 45	23 45	23 16		n.a.
T 30	23n45	6n55	5n16	24n41	1n45	15n13	2s26	16n47	1n 1	7s14	1n 6	20n43	1n23	23s23	0s33	6s27	1s45	31s30	9s 6	23n45	23n45	23n15		n.a.

Julian Day Number = 1561594.5, Delta T = 04h23m48s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'56, Lahiri = - 9°59'56 Julian Calendar 1 June 438 BCE == Greg. Calendar 27 May 438 BCE

The year -437 astronomical counting style corresponds to year 438 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

JULY 438 BCE (-437) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 12 6	1♋58'52	7♎20	16♋23	19♉36	18♌ 3	20♎55	4♌39	15°R28	17°R54	18°R12	1♋ 6	0♋52	27♋ 4	n.a.	W 1
T 2	18 16 2	2°56'15	20°15	18°11	20°42	18°40	20°56	4°45	15♑26	17♓53	18♑11	1° 6	0°49	27°11	n.a.	T 2
F 3	18 19 59	3°53'39	3♏35	19°57	21°49	19°18	20°58	4°52	15°23	17°53	18°10	1° 6	0°46	27°18	n.a.	F 3
S 4	18 23 55	4°51'04	17°22	21°41	22°56	19°56	20°59	4°59	15°21	17°53	18° 8	1° 7	0°42	27°24	n.a.	S 4
S 5	18 27 52	5°48'30	1♐34	23°24	24° 4	20°33	21° 1	5° 6	15°19	17°53	18° 7	1° 7	0°39	27°31	n.a.	S 5
M 6	18 31 48	6°45'57	16°11	25° 5	25°11	21°11	21° 3	5°12	15°16	17°53	18° 6	1° 8	0°36	27°38	n.a.	M 6
T 7	18 35 45	7°43'25	1♑ 6	26°44	26°18	21°49	21° 6	5°19	15°14	17°52	18° 5	1°R 8	0°33	27°44	n.a.	T 7
W 8	18 39 42	8°40'54	16°13	28°22	27°26	22°27	21° 8	5°26	15°11	17°52	18° 3	1° 8	0°30	27°51	n.a.	W 8
T 9	18 43 38	9°38'25	1♒22	29°58	28°34	23° 5	21°11	5°33	15° 9	17°52	18° 2	1° 7	0°27	27°58	n.a.	T 9
F 10	18 47 35	10°35'57	16°24	1♌33	29°42	23°43	21°14	5°40	15° 7	17°51	18° 1	1° 6	0°23	28° 4	n.a.	F 10
S 11	18 51 31	11°33'30	1♓11	3° 6	0♊50	24°21	21°17	5°47	15° 4	17°51	17°59	1° 5	0°20	28°11	n.a.	S 11
S 12	18 55 28	12°31'05	15°36	4°38	1°58	25° 0	21°20	5°54	15° 2	17°50	17°58	1° 4	0°17	28°18	n.a.	S 12
M13	18 59 24	13°28'41	29°38	6° 8	3° 6	25°38	21°23	6° 1	14°59	17°50	17°57	1° 3	0°14	28°24	n.a.	M13
T 14	19 3 21	14°26'19	13♈14	7°36	4°15	26°16	21°27	6° 9	14°57	17°49	17°55	1°D 3	0°11	28°31	n.a.	T 14
W15	19 7 18	15°23'59	26°27	9° 3	5°24	26°55	21°30	6°16	14°55	17°49	17°54	1° 3	0° 7	28°38	n.a.	W15
T 16	19 11 14	16°21'41	9♉18	10°28	6°32	27°33	21°34	6°23	14°52	17°48	17°53	1° 4	0° 4	28°44	n.a.	T 16
F 17	19 15 11	17°19'24	21°50	11°52	7°41	28°12	21°38	6°30	14°50	17°48	17°51	1° 5	0° 1	28°51	n.a.	F 17
S 18	19 19 7	18°17'09	4♊ 8	13°14	8°50	28°50	21°42	6°37	14°47	17°47	17°50	1° 6	29♊58	28°58	n.a.	S 18
S 19	19 23 4	19°14'56	16°14	14°34	9°59	29°29	21°47	6°45	14°45	17°46	17°49	1° 7	29°55	29° 4	n.a.	S 19
M20	19 27 0	20°12'45	28°12	15°52	11° 9	0♍ 8	21°51	6°52	14°43	17°45	17°47	1°R 8	29°52	29°11	n.a.	M20
T 21	19 30 57	21°10'35	10♋ 4	17° 9	12°18	0°46	21°56	6°59	14°40	17°45	17°46	1° 8	29°48	29°18	n.a.	T 21
W22	19 34 53	22° 8'27	21°53	18°23	13°28	1°25	22° 1	7° 6	14°38	17°44	17°45	1° 7	29°45	29°24	n.a.	W22
T 23	19 38 50	23° 6'20	3♌41	19°36	14°37	2° 4	22° 6	7°14	14°36	17°43	17°43	1° 4	29°42	29°31	n.a.	T 23
F 24	19 42 47	24° 4'16	15°30	20°47	15°47	2°43	22°11	7°21	14°33	17°42	17°42	1° 1	29°39	29°38	n.a.	F 24
S 25	19 46 43	25° 2'12	27°23	21°55	16°57	3°22	22°16	7°28	14°31	17°42	17°41	0°57	29°36	29°44	n.a.	S 25
S 26	19 50 40	26° 0'10	9♍21	23° 2	18° 7	4° 2	22°21	7°36	14°29	17°41	17°39	0°53	29°33	29°51	n.a.	S 26
M27	19 54 36	26°58'10	21°27	24° 6	19°17	4°41	22°27	7°43	14°26	17°40	17°38	0°49	29°29	29°58	n.a.	M27
T 28	19 58 33	27°56'11	3♎45	25° 8	20°27	5°20	22°33	7°51	14°24	17°39	17°37	0°46	29°26	0♌ 4	n.a.	T 28
W29	20 2 29	28°54'14	16°18	26° 7	21°37	5°59	22°39	7°58	14°22	17°38	17°35	0°44	29°23	0°11	n.a.	W29
T 30	20 6 26	29°52'18	29° 9	27° 3	22°47	6°39	22°45	8° 5	14°19	17°37	17°34	0°D43	29°20	0°18	n.a.	T 30
F 31	20 10 22	0♌50'23	12♏21	27♌57	23♊58	7♍18	22♎51	8♌13	14♑17	17♓36	17♑33	0♋44	29♊17	0♌24	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n44	1n53	5n16	24n25	1n42	15n33	2s24	16n34	1n 0	7s15	1n 6	20n41	1n23	23s23	0s33	6s28	1s45	31s30	9s 6	23n45	23n45	23n15		n.a.
T 2	23 43	3s23	5 0	24 8	1 39	15 53	2 22	16 22	0 59	7 16	1 5	20 40	1 23	23 24	0 33	6 28	1 45	31 30	9 6	23 45	23 45	23 14		n.a.
F 3	23 41	8 40	4 28	23 49	1 35	16 13	2 20	16 9	0 59	7 17	1 5	20 38	1 23	23 24	0 33	6 28	1 46	31 31	9 6	23 45	23 45	23 14		n.a.
S 4	23 39	13 43	3 40	23 28	1 31	16 32	2 17	15 57	0 58	7 18	1 5	20 36	1 23	23 24	0 33	6 28	1 46	31 31	9 6	23 45	23 45	23 13		n.a.
S 5	23 37	18 11	2 37	23 7	1 26	16 51	2 15	15 44	0 57	7 19	1 5	20 35	1 23	23 25	0 33	6 28	1 46	31 31	9 7	23 45	23 45	23 13		n.a.
M 6	23 34	21 40	1 22	22 43	1 21	17 10	2 13	15 31	0 57	7 20	1 4	20 33	1 23	23 25	0 33	6 28	1 46	31 32	9 7	23 45	23 45	23 12		n.a.
T 7	23 31	23 44	0 0	22 19	1 16	17 28	2 10	15 18	0 56	7 21	1 4	20 31	1 23	23 25	0 33	6 28	1 46	31 32	9 7	23 45	23 45	23 11		n.a.
W 8	23 28	24 7	1s23	21 54	1 10	17 46	2 8	15 5	0 55	7 22	1 4	20 30	1 23	23 25	0 33	6 29	1 46	31 32	9 7	23 45	23 45	23 11		n.a.
T 9	23 24	22 43	2 40	21 27	1 4	18 4	2 5	14 51	0 55	7 23	1 3	20 28	1 23	23 26	0 33	6 29	1 46	31 33	9 7	23 45	23 45	23 10		n.a.
F 10	23 19	19 42	3 46	21 0	0 57	18 21	2 2	14 38	0 54	7 25	1 3	20 26	1 23	23 26	0 33	6 29	1 46	31 33	9 7	23 45	23 45	23 10		n.a.
S 11	23 14	15 28	4 35	20 32	0 50	18 38	2 0	14 25	0 53	7 26	1 3	20 24	1 23	23 26	0 33	6 29	1 46	31 33	9 7	23 45	23 45	23 9		n.a.
S 12	23 9	10 26	5 6	20 3	0 43	18 55	1 57	14 11	0 53	7 27	1 3	20 23	1 23	23 27	0 34	6 29	1 46	31 33	9 7	23 45	23 45	23 8		n.a.
M13	23 3	4 59	5 17	19 34	0 36	19 11	1 54	13 57	0 52	7 29	1 2	20 21	1 23	23 27	0 34	6 30	1 46	31 34	9 7	23 45	23 45	23 8		n.a.
T 14	22 57	0n33	5 10	19 4	0 28	19 27	1 51	13 44	0 51	7 31	1 2	20 19	1 23	23 27	0 34	6 30	1 46	31 34	9 7	23 45	23 45	23 7		n.a.
W15	22 51	5 53	4 46	18 33	0 20	19 42	1 48	13 30	0 51	7 32	1 2	20 17	1 23	23 27	0 34	6 30	1 46	31 34	9 8	23 45	23 45	23 6		n.a.
T 16	22 44	10 50	4 9	18 2	0 12	19 57	1 45	13 16	0 50	7 34	1 1	20 15	1 23	23 28	0 34	6 31	1 46	31 34	9 8	23 45	23 45	23 6		n.a.
F 17	22 37	15 14	3 21	17 31	0 4	20 12	1 42	13 1	0 49	7 36	1 1	20 14	1 23	23 28	0 34	6 31	1 46	31 35	9 8	23 45	23 45	23 5		n.a.
S 18	22 29	18 53	2 24	16 59	0s 5	20 25	1 39	12 47	0 49	7 37	1 1	20 12	1 23	23 28	0 34	6 31	1 46	31 35	9 8	23 45	23 45	23 5		n.a.
S 19	22 21	21 41	1 21	16 27	0 14	20 39	1 36	12 33	0 48	7 39	1 1	20 10	1 23	23 29	0 34	6 31	1 47	31 35	9 8	23 45	23 45	23 4		n.a.
M20	22 12	23 28	0 16	15 55	0 23	20 52	1 33	12 18	0 47	7 41	1 0	20 8	1 23	23 29	0 34	6 32	1 47	31 35	9 8	23 45	23 45	23 3		n.a.
T 21	22 3	24 11	0n49	15 23	0 32	21 4	1 30	12 4	0 47	7 43	1 0	20 6	1 23	23 29	0 34	6 32	1 47	31 36	9 8	23 45	23 45	23 3		n.a.
W22	21 54	23 47	1 52	14 51	0 42	21 16	1 27	11 49	0 46	7 45	1 0	20 4	1 23	23 29	0 34	6 32	1 47	31 36	9 8	23 45	23 45	23 2		n.a.
T 23	21 44	22 20	2 50	14 19	0 51	21 28	1 24	11 35	0 45	7 47	1 0	20 3	1 23	23 30	0 34	6 33	1 47	31 36	9 8	23 45	23 45	23 1		n.a.
F 24	21 34	19 54	3 41	13 48	1 1	21 39	1 20	11 20	0 45	7 50	0 59	20 1	1 23	23 30	0 34	6 33	1 47	31 36	9 8	23 45	23 45	23 0		n.a.
S 25	21 24	16 38	4 22	13 16	1 10	21 49	1 17	11 5	0 44	7 52	0 59	19 59	1 23	23 30	0 34	6 34	1 47	31 37	9 8	23 45	23 45	23 0		n.a.
S 26	21 13	12 40	4 52	12 45	1 20	21 59	1 14	10 50	0 43	7 54	0 59	19 57	1 23	23 30	0 34	6 34	1 47	31 37	9 8	23 45	23 45	22 59		n.a.
M27	21 2	8 9	5 9	12 15	1 30	22 8	1 11	10 35	0 43	7 57	0 59	19 55	1 23	23 31	0 34	6 34	1 47	31 37	9 8	23 45	23 45	22 58		n.a.
T 28	20 51	3 16	5 13	11 45	1 40	22 17	1 7	10 19	0 42	7 59	0 58	19 53	1 23	23 31	0 34	6 35	1 47	31 37	9 8	23 45	23 45	22 58		n.a.
W29	20 39	1s51	5 2	11 15	1 50	22 25	1 4	10 4	0 41	8 1	0 58	19 51	1 23	23 31	0 34	6 35	1 47	31 37	9 8	23 45	23 45	22 57		n.a.
T 30	20 26	7 1	4 36	10 46	2 0	22 32	1 1	9 49	0 41	8 4	0 58	19 49	1 24	23 31	0 34	6 36	1 47	31 38	9 8	23 45	23 45	22 56		n.a.
F 31	20n14	12s 1	3n55	10n19	2s10	22n39	0s57	9n33	0n40	8s 7	0n58	19n47	1n24	23s32	0s34	6s36	1s47	31s38	9s 8	23n45	23n45	22n55		n.a.

Julian Day Number = 1561624.5, Delta T = 04h23m47s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'52, Lahiri = - 9°59'52 Julian Calendar 1 July 438 BCE == Greg. Calendar 26 June 438 BCE

The year -437 astronomical counting style corresponds to year 438 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

AUGUST 438 BCE (-437) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 14 19	1♌48'31	25♏58	28♌47	25♊ 8	7♍58	22♎57	8♌20	14°R15	17°R35	17°R32	0♋45	29♊13	0♌31	n.a.	S 1
S 2	20 18 16	2°46'39	10♐ 1	29°35	26°19	8°37	23° 4	8°28	14♑13	17♓34	17♑30	0°46	29°10	0°38	n.a.	S 2
M 3	20 22 12	3°44'50	24°30	0♍18	27°30	9°17	23°11	8°35	14°10	17°33	17°29	0°R47	29° 7	0°44	n.a.	M 3
T 4	20 26 9	4°43'02	9♑20	0°59	28°41	9°57	23°17	8°43	14° 8	17°32	17°28	0°47	29° 4	0°51	n.a.	T 4
W 5	20 30 5	5°41'16	24°28	1°35	29°52	10°37	23°24	8°50	14° 6	17°30	17°26	0°46	29° 1	0°58	n.a.	W 5
T 6	20 34 2	6°39'32	9♒43	2° 7	1♋ 3	11°16	23°31	8°58	14° 4	17°29	17°25	0°42	28°58	1° 4	n.a.	T 6
F 7	20 37 58	7°37'49	24°56	2°34	2°14	11°56	23°39	9° 5	14° 2	17°28	17°24	0°38	28°54	1°11	n.a.	F 7
S 8	20 41 55	8°36'09	9♓56	2°57	3°25	12°36	23°46	9°13	14° 0	17°27	17°23	0°32	28°51	1°18	n.a.	S 8
S 9	20 45 51	9°34'30	24°35	3°15	4°37	13°16	23°53	9°20	13°57	17°26	17°22	0°27	28°48	1°24	n.a.	S 9
M10	20 49 48	10°32'54	8♈48	3°27	5°48	13°56	24° 1	9°28	13°55	17°24	17°20	0°22	28°45	1°31	n.a.	M10
T 11	20 53 44	11°31'20	22°32	3°33	7° 0	14°37	24° 9	9°35	13°53	17°23	17°19	0°18	28°42	1°38	n.a.	T 11
W12	20 57 41	12°29'49	5♉47	3°R34	8°11	15°17	24°17	9°42	13°51	17°22	17°18	0°17	28°39	1°44	n.a.	W12
T 13	21 1 38	13°28'19	18°37	3°28	9°23	15°57	24°25	9°50	13°49	17°21	17°17	0°D17	28°35	1°51	n.a.	T 13
F 14	21 5 34	14°26'52	1♊ 5	3°15	10°35	16°38	24°33	9°57	13°47	17°19	17°16	0°18	28°32	1°58	n.a.	F 14
S 15	21 9 31	15°25'28	13°16	2°56	11°47	17°18	24°41	10° 5	13°45	17°18	17°14	0°19	28°29	2° 4	n.a.	S 15
S 16	21 13 27	16°24'05	25°16	2°29	12°59	17°59	24°50	10°12	13°44	17°16	17°13	0°R20	28°26	2°11	n.a.	S 16
M17	21 17 24	17°22'45	7♋ 7	1°56	14°11	18°39	24°58	10°20	13°42	17°15	17°12	0°20	28°23	2°18	n.a.	M17
T 18	21 21 20	18°21'27	18°55	1°16	15°23	19°20	25° 7	10°27	13°40	17°14	17°11	0°18	28°19	2°24	n.a.	T 18
W19	21 25 17	19°20'12	0♌43	0°30	16°35	20° 0	25°16	10°35	13°38	17°12	17°10	0°14	28°16	2°31	n.a.	W19
T 20	21 29 13	20°18'58	12°33	29♌38	17°48	20°41	25°24	10°42	13°36	17°11	17° 9	0° 7	28°13	2°38	n.a.	T 20
F 21	21 33 10	21°17'47	24°27	28°40	19° 0	21°22	25°33	10°49	13°34	17° 9	17° 8	29♊59	28°10	2°44	n.a.	F 21
S 22	21 37 7	22°16'37	6♍26	27°39	20°13	22° 3	25°43	10°57	13°33	17° 8	17° 7	29°49	28° 7	2°51	n.a.	S 22
S 23	21 41 3	23°15'30	18°34	26°35	21°25	22°44	25°52	11° 4	13°31	17° 6	17° 6	29°39	28° 4	2°58	n.a.	S 23
M24	21 45 0	24°14'25	0♎49	25°28	22°38	23°25	26° 1	11°12	13°29	17° 5	17° 5	29°29	28° 0	3° 4	n.a.	M24
T 25	21 48 56	25°13'21	13°15	24°23	23°51	24° 6	26°11	11°19	13°28	17° 3	17° 4	29°21	27°57	3°11	n.a.	T 25
W26	21 52 53	26°12'20	25°53	23°18	25° 3	24°47	26°20	11°26	13°26	17° 2	17° 3	29°14	27°54	3°18	n.a.	W26
T 27	21 56 49	27°11'20	8♏46	22°17	26°16	25°28	26°30	11°34	13°25	17° 0	17° 2	29°10	27°51	3°24	n.a.	T 27
F 28	22 0 46	28°10'23	21°55	21°22	27°29	26°10	26°40	11°41	13°23	16°59	17° 1	29° 9	27°48	3°31	n.a.	F 28
S 29	22 4 42	29° 9'27	5♐24	20°32	28°42	26°51	26°49	11°48	13°22	16°57	17° 0	29°D 9	27°45	3°38	n.a.	S 29
S 30	22 8 39	0♍ 8'33	19°14	19°51	29°55	27°32	26°59	11°55	13°20	16°56	16°59	29° 9	27°41	3°44	n.a.	S 30
M31	22 12 36	1♍ 7'41	3♑27	19♌19	1♌ 9	28♍14	27♎10	12♌ 3	13♑19	16♓54	16♑58	29°R 9	27♊38	3♌51	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	20n 1	16s36	2n59	9n52	2s20	22n46	0s54	9n18	0n39	8s 9	0n57	19n45	1n24	23s32	0s34	6s37	1s47	31s38	9s 8	23n45	23n45	22n55		n.a.
S 2	19 47	20 24	1 51	9 26	2 30	22 51	0 51	9 2	0 39	8 12	0 57	19 44	1 24	23 32	0 34	6 37	1 47	31 38	9 8	23 45	23 45	22 54		n.a.
M 3	19 34	23 4	0 34	9 2	2 39	22 56	0 47	8 46	0 38	8 15	0 57	19 42	1 24	23 32	0 34	6 38	1 47	31 38	9 8	23 45	23 45	22 53		n.a.
T 4	19 20	24 11	0s47	8 38	2 49	23 1	0 44	8 31	0 37	8 17	0 57	19 40	1 24	23 33	0 34	6 38	1 47	31 38	9 8	23 45	23 45	22 52		n.a.
W 5	19 6	23 34	2 6	8 17	2 58	23 4	0 41	8 15	0 37	8 20	0 56	19 38	1 24	23 33	0 34	6 39	1 47	31 39	9 8	23 45	23 45	22 52		n.a.
T 6	18 51	21 12	3 16	7 57	3 7	23 7	0 37	7 59	0 36	8 23	0 56	19 36	1 24	23 33	0 34	6 39	1 47	31 39	9 8	23 45	23 45	22 51		n.a.
F 7	18 36	17 20	4 13	7 39	3 16	23 10	0 34	7 43	0 35	8 26	0 56	19 34	1 24	23 33	0 34	6 40	1 48	31 39	9 8	23 45	23 45	22 50		n.a.
S 8	18 21	12 25	4 51	7 23	3 24	23 12	0 31	7 27	0 35	8 29	0 56	19 32	1 24	23 33	0 34	6 40	1 48	31 39	9 8	23 45	23 45	22 49		n.a.
S 9	18 5	6 53	5 9	7 9	3 32	23 13	0 27	7 11	0 34	8 32	0 55	19 30	1 24	23 34	0 34	6 41	1 48	31 39	9 8	23 45	23 45	22 49		n.a.
M10	17 49	1 10	5 7	6 58	3 39	23 13	0 24	6 54	0 33	8 35	0 55	19 28	1 24	23 34	0 34	6 41	1 48	31 39	9 8	23 45	23 45	22 48		n.a.
T 11	17 33	4n26	4 48	6 50	3 46	23 13	0 21	6 38	0 33	8 38	0 55	19 26	1 24	23 34	0 34	6 42	1 48	31 40	9 8	23 45	23 45	22 47		n.a.
W12	17 16	9 39	4 13	6 44	3 52	23 12	0 17	6 22	0 32	8 41	0 55	19 24	1 24	23 34	0 33	6 42	1 48	31 40	9 8	23 45	23 44	22 46		n.a.
T 13	17 0	14 16	3 27	6 42	3 57	23 11	0 14	6 5	0 31	8 44	0 54	19 22	1 24	23 35	0 33	6 43	1 48	31 40	9 8	23 45	23 44	22 45		n.a.
F 14	16 42	18 10	2 32	6 42	4 1	23 8	0 11	5 49	0 31	8 48	0 54	19 20	1 25	23 35	0 33	6 43	1 48	31 40	9 8	23 45	23 44	22 45		n.a.
S 15	16 25	21 11	1 31	6 47	4 3	23 6	0 8	5 32	0 30	8 51	0 54	19 18	1 25	23 35	0 33	6 44	1 48	31 40	9 8	23 45	23 44	22 44		n.a.
S 16	16 7	23 12	0 27	6 55	4 5	23 2	0 4	5 16	0 29	8 54	0 54	19 16	1 25	23 35	0 33	6 44	1 48	31 40	9 8	23 45	23 44	22 43		n.a.
M17	15 49	24 10	0n37	7 7	4 5	22 58	0 1	4 59	0 28	8 58	0 53	19 14	1 25	23 35	0 33	6 45	1 48	31 40	9 8	23 45	23 44	22 42		n.a.
T 18	15 31	24 1	1 39	7 23	4 3	22 53	0n 2	4 42	0 28	9 1	0 53	19 12	1 25	23 35	0 33	6 46	1 48	31 40	9 8	23 45	23 44	22 41		n.a.
W19	15 13	22 48	2 36	7 43	3 59	22 47	0 5	4 25	0 27	9 4	0 53	19 10	1 25	23 36	0 33	6 46	1 48	31 40	9 7	23 45	23 44	22 40		n.a.
T 20	14 54	20 34	3 27	8 6	3 54	22 41	0 8	4 8	0 26	9 8	0 53	19 8	1 25	23 36	0 33	6 47	1 48	31 40	9 7	23 45	23 44	22 40		n.a.
F 21	14 35	17 27	4 9	8 33	3 47	22 34	0 11	3 52	0 26	9 11	0 53	19 6	1 25	23 36	0 33	6 47	1 48	31 40	9 7	23 45	23 44	22 39		n.a.
S 22	14 16	13 36	4 41	9 3	3 37	22 26	0 14	3 35	0 25	9 15	0 52	19 4	1 25	23 36	0 33	6 48	1 48	31 41	9 7	23 45	23 44	22 38		n.a.
S 23	13 56	9 10	5 0	9 36	3 26	22 18	0 17	3 18	0 24	9 19	0 52	19 2	1 25	23 36	0 33	6 49	1 48	31 41	9 7	23 45	23 44	22 37		n.a.
M24	13 37	4 19	5 5	10 10	3 13	22 9	0 20	3 1	0 24	9 22	0 52	19 0	1 25	23 36	0 33	6 49	1 48	31 41	9 7	23 45	23 44	22 36		n.a.
T 25	13 17	0s45	4 56	10 47	2 58	21 59	0 23	2 44	0 23	9 26	0 52	18 58	1 25	23 37	0 33	6 50	1 48	31 41	9 7	23 45	23 44	22 35		n.a.
W26	12 57	5 53	4 33	11 24	2 41	21 49	0 26	2 26	0 22	9 30	0 52	18 57	1 26	23 37	0 33	6 51	1 48	31 41	9 7	23 45	23 44	22 34		n.a.
T 27	12 36	10 53	3 56	12 1	2 23	21 38	0 29	2 9	0 22	9 33	0 51	18 55	1 26	23 37	0 33	6 51	1 48	31 41	9 7	23 45	23 44	22 33		n.a.
F 28	12 16	15 30	3 5	12 37	2 4	21 27	0 31	1 52	0 21	9 37	0 51	18 53	1 26	23 37	0 33	6 52	1 48	31 41	9 7	23 45	23 44	22 32		n.a.
S 29	11 55	19 27	2 3	13 11	1 44	21 15	0 34	1 35	0 20	9 41	0 51	18 51	1 26	23 37	0 33	6 53	1 48	31 41	9 7	23 45	23 44	22 32		n.a.
S 30	11 34	22 26	0 53	13 43	1 24	21 2	0 37	1 17	0 20	9 45	0 51	18 49	1 26	23 37	0 33	6 53	1 48	31 41	9 6	23 45	23 44	22 31		n.a.
M31	11n13	24s 5	0s23	14n12	1s 4	20n48	0n40	1n 0	0n19	9s49	0n50	18n47	1n26	23s37	0s33	6s54	1s48	31s41	9s 6	23n45	23n44	22n30		n.a.

Julian Day Number = 1561655.5, Delta T = 04h23m46s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'48, Lahiri = - 9°59'48 Julian Calendar 1 Aug. 438 BCE == Greg. Calendar 27 July 438 BCE

The year -437 astronomical counting style corresponds to year 438 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

SEPTEMBER 438 BCE (-437) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 16 32	2♍ 6'51	18♉ 2	18°R56	2♌22	28♍55	27♎20	12♌10	13°R18	16°R52	16°R57	29°R 8	27♊35	3♌58	n.a.	T 1
W 2	22 20 29	3° 6'03	2♒55	18♌44	3°35	29°37	27°30	12°17	13♉16	16♓51	16♉56	29♊ 4	27°32	4° 4	n.a.	W 2
T 3	22 24 25	4° 5'17	18° 0	18°D42	4°48	0♎19	27°40	12°24	13°15	16°49	16°56	28°58	27°29	4°11	n.a.	T 3
F 4	22 28 22	5° 4'33	3♓ 7	18°51	6° 2	1° 0	27°51	12°31	13°14	16°47	16°55	28°49	27°25	4°18	n.a.	F 4
S 5	22 32 18	6° 3'50	18° 7	19°10	7°15	1°42	28° 1	12°38	13°13	16°46	16°54	28°39	27°22	4°24	n.a.	S 5
S 6	22 36 15	7° 3'11	2♈50	19°39	8°29	2°24	28°12	12°45	13°12	16°44	16°53	28°29	27°19	4°31	n.a.	S 6
M 7	22 40 11	8° 2'33	17° 9	20°18	9°43	3° 6	28°23	12°52	13°11	16°42	16°53	28°19	27°16	4°38	n.a.	M 7
T 8	22 44 8	9° 1'58	0♉59	21° 5	10°56	3°48	28°34	12°59	13°10	16°41	16°52	28°12	27°13	4°44	n.a.	T 8
W 9	22 48 4	10° 1'25	14°20	22° 0	12°10	4°30	28°45	13° 6	13° 9	16°39	16°51	28° 7	27°10	4°51	n.a.	W 9
T 10	22 52 1	11° 0'55	27°13	23° 3	13°24	5°12	28°56	13°13	13° 8	16°37	16°50	28° 4	27° 6	4°58	n.a.	T 10
F 11	22 55 58	12° 0'27	9♊43	24°11	14°38	5°54	29° 7	13°20	13° 7	16°36	16°50	28°D 3	27° 3	5° 4	n.a.	F 11
S 12	22 59 54	13° 0'01	21°55	25°26	15°52	6°36	29°18	13°27	13° 6	16°34	16°49	28°R 3	27° 0	5°11	n.a.	S 12
S 13	23 3 51	13°59'38	3♋53	26°46	17° 6	7°19	29°29	13°34	13° 5	16°32	16°49	28° 3	26°57	5°18	n.a.	S 13
M14	23 7 47	14°59'18	15°43	28°10	18°20	8° 1	29°41	13°41	13° 4	16°31	16°48	28° 2	26°54	5°24	n.a.	M14
T 15	23 11 44	15°58'59	27°30	29°37	19°34	8°43	29°52	13°47	13° 4	16°29	16°47	27°59	26°50	5°31	n.a.	T 15
W16	23 15 40	16°58'43	9♌19	1♍ 8	20°48	9°26	0♏ 4	13°54	13° 3	16°27	16°47	27°52	26°47	5°38	n.a.	W16
T 17	23 19 37	17°58'29	21°12	2°41	22° 2	10° 8	0°15	14° 1	13° 2	16°26	16°46	27°43	26°44	5°44	n.a.	T 17
F 18	23 23 33	18°58'18	3♍14	4°16	23°17	10°51	0°27	14° 7	13° 2	16°24	16°46	27°31	26°41	5°51	n.a.	F 18
S 19	23 27 30	19°58'08	15°24	5°53	24°31	11°34	0°39	14°14	13° 1	16°22	16°45	27°18	26°38	5°58	n.a.	S 19
S 20	23 31 27	20°58'01	27°44	7°31	25°45	12°16	0°50	14°20	13° 1	16°21	16°45	27° 4	26°35	6° 5	n.a.	S 20
M21	23 35 23	21°57'56	10♎16	9°10	27° 0	12°59	1° 2	14°27	13° 0	16°19	16°45	26°50	26°31	6°11	n.a.	M21
T 22	23 39 20	22°57'52	22°57	10°50	28°14	13°42	1°14	14°33	13° 0	16°17	16°44	26°38	26°28	6°18	n.a.	T 22
W23	23 43 16	23°57'51	5♏50	12°30	29°29	14°25	1°26	14°40	13° 0	16°16	16°44	26°28	26°25	6°25	n.a.	W23
T 24	23 47 13	24°57'51	18°53	14°11	0♍43	15° 8	1°38	14°46	13° 0	16°14	16°43	26°22	26°22	6°31	n.a.	T 24
F 25	23 51 9	25°57'53	2♐ 9	15°52	1°58	15°51	1°51	14°52	12°59	16°12	16°43	26°18	26°19	6°38	n.a.	F 25
S 26	23 55 6	26°57'57	15°39	17°33	3°13	16°34	2° 3	14°58	12°59	16°11	16°43	26°17	26°16	6°45	n.a.	S 26
S 27	23 59 2	27°58'03	29°23	19°13	4°27	17°17	2°15	15° 5	12°59	16° 9	16°43	26°17	26°12	6°51	n.a.	S 27
M28	0 2 59	28°58'11	13♑24	20°54	5°42	18° 0	2°27	15°11	12°59	16° 7	16°42	26°17	26° 9	6°58	n.a.	M28
T 29	0 6 55	29°58'20	27°41	22°35	6°57	18°43	2°40	15°17	12°D59	16° 6	16°42	26°15	26° 6	7° 5	n.a.	T 29
W30	0 10 52	0♎58'30	12♒12	24♍15	8♍12	19♎27	2♏52	15♌23	12♑59	16♓ 4	16♉42	26♊10	26♊ 3	7♌11	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n51	24s 9	1s39	14n38	0s45	20n34	0n42	0n43	0n18	9s52	0n50	18n45	1n26	23s38	0s33	6s54	1s48	31s41	9s 6	23n45	23n44	22n29		n.a.
W 2	10 30	22 30	2 50	15 0	0 26	20 19	0 45	0 25	0 18	9 56	0 50	18 43	1 26	23 38	0 33	6 55	1 48	31 41	9 6	23 45	23 44	22 28		n.a.
T 3	10 8	19 16	3 49	15 18	0 8	20 4	0 47	0 8	0 17	10 0	0 50	18 41	1 26	23 38	0 33	6 56	1 48	31 41	9 6	23 45	23 43	22 27		n.a.
F 4	9 46	14 43	4 33	15 31	0n10	19 48	0 50	0s 9	0 16	10 4	0 50	18 39	1 27	23 38	0 33	6 56	1 48	31 41	9 6	23 45	23 43	22 26		n.a.
S 5	9 24	9 19	4 58	15 40	0 26	19 32	0 52	0 27	0 16	10 8	0 50	18 37	1 27	23 38	0 33	6 57	1 48	31 41	9 6	23 44	23 43	22 25		n.a.
S 6	9 2	3 28	5 2	15 45	0 41	19 15	0 54	0 44	0 15	10 12	0 49	18 35	1 27	23 38	0 33	6 58	1 48	31 41	9 6	23 44	23 43	22 24		n.a.
M 7	8 40	2n25	4 47	15 46	0 54	18 57	0 56	1 2	0 14	10 16	0 49	18 33	1 27	23 38	0 33	6 58	1 48	31 41	9 6	23 44	23 43	22 23		n.a.
T 8	8 17	7 59	4 15	15 42	1 6	18 39	0 59	1 19	0 14	10 20	0 49	18 31	1 27	23 38	0 33	6 59	1 48	31 41	9 5	23 44	23 43	22 22		n.a.
W 9	7 54	13 0	3 30	15 34	1 17	18 20	1 1	1 37	0 13	10 25	0 49	18 29	1 27	23 38	0 33	7 0	1 49	31 41	9 5	23 44	23 43	22 21		n.a.
T 10	7 32	17 16	2 36	15 22	1 26	18 1	1 3	1 54	0 12	10 29	0 49	18 28	1 27	23 38	0 33	7 0	1 49	31 41	9 5	23 44	23 43	22 20		n.a.
F 11	7 9	20 37	1 36	15 7	1 35	17 41	1 5	2 12	0 12	10 33	0 48	18 26	1 28	23 38	0 33	7 1	1 49	31 41	9 5	23 44	23 43	22 19		n.a.
S 12	6 46	22 57	0 33	14 48	1 41	17 21	1 7	2 29	0 11	10 37	0 48	18 24	1 28	23 39	0 33	7 2	1 49	31 41	9 5	23 44	23 43	22 18		n.a.
S 13	6 23	24 12	0n31	14 26	1 47	17 0	1 9	2 47	0 10	10 41	0 48	18 22	1 28	23 39	0 33	7 2	1 49	31 41	9 5	23 44	23 43	22 17		n.a.
M14	5 59	24 20	1 32	14 0	1 52	16 39	1 11	3 4	0 10	10 45	0 48	18 20	1 28	23 39	0 33	7 3	1 49	31 40	9 5	23 44	23 43	22 16		n.a.
T 15	5 36	23 22	2 29	13 33	1 55	16 17	1 12	3 22	0 9	10 50	0 48	18 18	1 28	23 39	0 33	7 4	1 49	31 40	9 4	23 44	23 43	22 15		n.a.
W16	5 12	21 22	3 20	13 2	1 57	15 55	1 14	3 39	0 8	10 54	0 48	18 16	1 28	23 39	0 33	7 4	1 49	31 40	9 4	23 44	23 43	22 14		n.a.
T 17	4 49	18 26	4 2	12 30	1 59	15 32	1 16	3 57	0 8	10 58	0 47	18 15	1 28	23 39	0 33	7 5	1 49	31 40	9 4	23 44	23 42	22 13		n.a.
F 18	4 25	14 42	4 34	11 55	2 0	15 9	1 17	4 14	0 7	11 2	0 47	18 13	1 29	23 39	0 33	7 6	1 49	31 40	9 4	23 43	23 42	22 12		n.a.
S 19	4 1	10 19	4 53	11 19	2 0	14 45	1 19	4 32	0 6	11 7	0 47	18 11	1 29	23 39	0 33	7 6	1 49	31 40	9 4	23 43	23 42	22 11		n.a.
S 20	3 38	5 29	5 0	10 42	1 59	14 21	1 20	4 49	0 6	11 11	0 47	18 9	1 29	23 39	0 33	7 7	1 49	31 40	9 4	23 43	23 42	22 10		n.a.
M21	3 14	0 21	4 52	10 3	1 57	13 57	1 21	5 7	0 5	11 15	0 47	18 8	1 29	23 39	0 33	7 8	1 49	31 40	9 3	23 43	23 42	22 9		n.a.
T 22	2 50	4s52	4 29	9 22	1 55	13 32	1 23	5 24	0 4	11 20	0 47	18 6	1 29	23 39	0 33	7 8	1 49	31 40	9 3	23 42	23 42	22 8		n.a.
W23	2 26	9 59	3 53	8 41	1 53	13 6	1 24	5 42	0 4	11 24	0 46	18 4	1 29	23 39	0 33	7 9	1 49	31 40	9 3	23 42	23 42	22 7		n.a.
T 24	2 2	14 43	3 4	7 59	1 49	12 41	1 25	5 59	0 3	11 28	0 46	18 2	1 29	23 39	0 33	7 10	1 49	31 40	9 3	23 42	23 42	22 6		n.a.
F 25	1 37	18 50	2 4	7 16	1 46	12 15	1 26	6 17	0 2	11 33	0 46	18 1	1 30	23 39	0 33	7 10	1 49	31 39	9 3	23 42	23 42	22 5		n.a.
S 26	1 13	22 2	0 56	6 33	1 42	11 48	1 27	6 34	0 2	11 37	0 46	17 59	1 30	23 39	0 33	7 11	1 49	31 39	9 3	23 42	23 42	22 4		n.a.
S 27	0 49	24 1	0s16	5 49	1 38	11 22	1 28	6 51	0 1	11 42	0 46	17 57	1 30	23 39	0 33	7 12	1 49	31 39	9 2	23 42	23 42	22 3		n.a.
M28	0 25	24 33	1 29	5 4	1 33	10 55	1 29	7 9	0 0	11 46	0 46	17 56	1 30	23 39	0 33	7 12	1 49	31 39	9 2	23 42	23 42	22 1		n.a.
T 29	0 1	23 28	2 38	4 20	1 28	10 27	1 30	7 26	0s 0	11 51	0 46	17 54	1 30	23 39	0 33	7 13	1 49	31 39	9 2	23 42	23 41	22 0		n.a.
W30	0s24	20s49	3s37	3n35	1n23	10n 0	1n30	7s43	0s 1	11s55	0n45	17n52	1n30	23s39	0s33	7s14	1s49	31s39	9s 2	23n42	23n41	21n59		n.a.

Julian Day Number = 1561686.5, Delta T = 04h23m45s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'44, Lahiri = - 9°59'43 Julian Calendar 1 Sept. 438 BCE == Greg. Calendar 27 Aug. 438 BCE

The year -437 astronomical counting style corresponds to year 438 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

OCTOBER 438 BCE (-437) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 14 49	1♎58'43	26♒54	25♍55	9♍26	20♎10	3♏ 5	15♌29	12♑59	16°R 3	16°R42	26°R 3	26♊ 0	7♌18	n.a.	T 1
F 2	0 18 45	2°58'56	11♓40	27°35	10°41	20°54	3°17	15°34	12°59	16♓ 1	16♑42	25♊53	25°56	7°25	n.a.	F 2
S 3	0 22 42	3°59'12	26°23	29°14	11°56	21°37	3°30	15°40	13° 0	15°59	16°42	25°42	25°53	7°31	n.a.	S 3
S 4	0 26 38	4°59'30	10♈54	0♎53	13°11	22°21	3°43	15°46	13° 0	15°58	16°41	25°30	25°50	7°38	n.a.	S 4
M 5	0 30 35	5°59'49	25° 6	2°32	14°26	23° 4	3°55	15°52	13° 0	15°56	16°41	25°19	25°47	7°45	n.a.	M 5
T 6	0 34 31	7° 0'10	8♉54	4°10	15°41	23°48	4° 8	15°57	13° 0	15°55	16°D41	25° 9	25°44	7°51	n.a.	T 6
W 7	0 38 28	8° 0'34	22°16	5°48	16°56	24°32	4°21	16° 3	13° 1	15°53	16°41	25° 3	25°41	7°58	n.a.	W 7
T 8	0 42 24	9° 0'59	5♊12	7°25	18°11	25°15	4°34	16° 8	13° 1	15°52	16°41	24°59	25°37	8° 5	n.a.	T 8
F 9	0 46 21	10° 1'27	17°45	9° 2	19°26	25°59	4°47	16°14	13° 2	15°50	16°42	24°57	25°34	8°11	n.a.	F 9
S 10	0 50 18	11° 1'56	29°59	10°39	20°41	26°43	5° 0	16°19	13° 2	15°49	16°42	24°D57	25°31	8°18	n.a.	S 10
S 11	0 54 14	12° 2'27	11♋59	12°15	21°57	27°27	5°13	16°24	13° 3	15°47	16°42	24°R58	25°28	8°25	n.a.	S 11
M12	0 58 11	13° 3'01	23°51	13°51	23°12	28°11	5°26	16°30	13° 4	15°46	16°42	24°57	25°25	8°31	n.a.	M12
T 13	1 2 7	14° 3'36	5♌39	15°27	24°27	28°55	5°39	16°35	13° 4	15°44	16°42	24°55	25°21	8°38	n.a.	T 13
W14	1 6 4	15° 4'13	17°30	17° 2	25°42	29°39	5°52	16°40	13° 5	15°43	16°42	24°50	25°18	8°45	n.a.	W14
T 15	1 10 0	16° 4'52	29°27	18°37	26°57	0♏24	6° 5	16°45	13° 6	15°41	16°42	24°42	25°15	8°51	n.a.	T 15
F 16	1 13 57	17° 5'33	11♍35	20°12	28°13	1° 8	6°18	16°50	13° 7	15°40	16°43	24°33	25°12	8°58	n.a.	F 16
S 17	1 17 53	18° 6'15	23°55	21°47	29°28	1°52	6°32	16°54	13° 8	15°39	16°43	24°21	25° 9	9° 5	n.a.	S 17
S 18	1 21 50	19° 6'59	6♎29	23°21	0♎43	2°36	6°45	16°59	13° 9	15°37	16°43	24° 8	25° 6	9°12	n.a.	S 18
M19	1 25 47	20° 7'45	19°18	24°55	1°59	3°21	6°58	17° 4	13°10	15°36	16°44	23°56	25° 2	9°18	n.a.	M19
T 20	1 29 43	21° 8'32	2♏20	26°29	3°14	4° 5	7°11	17° 8	13°11	15°35	16°44	23°46	24°59	9°25	n.a.	T 20
W21	1 33 40	22° 9'20	15°35	28° 3	4°29	4°50	7°25	17°13	13°12	15°33	16°44	23°38	24°56	9°32	n.a.	W21
T 22	1 37 36	23°10'10	29° 0	29°36	5°45	5°34	7°38	17°17	13°13	15°32	16°45	23°32	24°53	9°38	n.a.	T 22
F 23	1 41 33	24°11'01	12♐35	1♏10	7° 0	6°19	7°52	17°22	13°14	15°31	16°45	23°30	24°50	9°45	n.a.	F 23
S 24	1 45 29	25°11'54	26°19	2°43	8°16	7° 4	8° 5	17°26	13°16	15°30	16°46	23°D29	24°47	9°52	n.a.	S 24
S 25	1 49 26	26°12'47	10♑11	4°16	9°31	7°49	8°18	17°30	13°17	15°28	16°46	23°30	24°43	9°58	n.a.	S 25
M26	1 53 22	27°13'42	24°10	5°49	10°47	8°33	8°32	17°34	13°18	15°27	16°47	23°R30	24°40	10° 5	n.a.	M26
T 27	1 57 19	28°14'37	8♒17	7°22	12° 2	9°18	8°45	17°38	13°20	15°26	16°47	23°30	24°37	10°12	n.a.	T 27
W28	2 1 16	29°15'33	22°31	8°54	13°18	10° 3	8°59	17°42	13°21	15°25	16°48	23°28	24°34	10°18	n.a.	W28
T 29	2 5 12	0♏16'30	6♓49	10°27	14°33	10°48	9°13	17°46	13°23	15°24	16°48	23°23	24°31	10°25	n.a.	T 29
F 30	2 9 9	1°17'28	21° 7	11°59	15°48	11°33	9°26	17°50	13°24	15°23	16°49	23°16	24°27	10°32	n.a.	F 30
S 31	2 13 5	2♏18'26	5♈21	13♏32	17♎ 4	12♏18	9♏40	17♌53	13♑26	15♓22	16♑50	23♊ 8	24♊24	10♌38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	0s48	16s49	4s23	2n49	1n17	9n32	1n31	8s 1	0s 2	11s59	0n45	17n51	1n31	23s39	0s33	7s14	1s49	31s39	9s 2	23n41	23n41	21n58		n.a.
F 2	1 12	11 45	4 51	2 4	1 12	9 4	1 31	8 18	0 2	12 4	0 45	17 49	1 31	23 39	0 33	7 15	1 48	31 38	9 2	23 41	23 41	21 57		n.a.
S 3	1 36	6 2	5 0	1 19	1 6	8 35	1 32	8 35	0 3	12 8	0 45	17 47	1 31	23 39	0 33	7 15	1 48	31 38	9 1	23 41	23 41	21 56		n.a.
S 4	2 0	0 4	4 50	0 34	1 0	8 6	1 32	8 52	0 4	12 13	0 45	17 46	1 31	23 39	0 33	7 16	1 48	31 38	9 1	23 40	23 41	21 55		n.a.
M 5	2 25	5n47	4 21	0s12	0 54	7 37	1 33	9 9	0 4	12 17	0 45	17 44	1 31	23 39	0 33	7 17	1 48	31 38	9 1	23 40	23 41	21 54		n.a.
T 6	2 49	11 12	3 38	0 57	0 48	7 8	1 33	9 26	0 5	12 22	0 45	17 43	1 32	23 39	0 33	7 17	1 48	31 38	9 1	23 40	23 41	21 52		n.a.
W 7	3 13	15 56	2 44	1 42	0 42	6 39	1 33	9 43	0 6	12 26	0 44	17 41	1 32	23 39	0 33	7 18	1 48	31 38	9 1	23 39	23 41	21 51		n.a.
T 8	3 37	19 46	1 43	2 27	0 35	6 9	1 33	10 0	0 6	12 31	0 44	17 40	1 32	23 38	0 33	7 18	1 48	31 37	9 1	23 39	23 41	21 50		n.a.
F 9	4 1	22 33	0 38	3 11	0 29	5 40	1 33	10 16	0 7	12 35	0 44	17 38	1 32	23 38	0 32	7 19	1 48	31 37	9 0	23 39	23 40	21 49		n.a.
S 10	4 25	24 12	0n27	3 56	0 22	5 10	1 33	10 33	0 8	12 40	0 44	17 37	1 32	23 38	0 32	7 20	1 48	31 37	9 0	23 39	23 40	21 48		n.a.
S 11	4 49	24 41	1 29	4 40	0 16	4 39	1 33	10 50	0 8	12 44	0 44	17 35	1 33	23 38	0 32	7 20	1 48	31 37	9 0	23 39	23 40	21 47		n.a.
M12	5 13	24 2	2 27	5 24	0 9	4 9	1 33	11 6	0 9	12 49	0 44	17 34	1 33	23 38	0 32	7 21	1 48	31 37	9 0	23 39	23 40	21 46		n.a.
T 13	5 37	22 18	3 18	6 7	0 3	3 39	1 33	11 23	0 10	12 53	0 44	17 33	1 33	23 38	0 32	7 21	1 48	31 36	9 0	23 39	23 40	21 44		n.a.
W14	6 1	19 36	4 1	6 50	0s 4	3 8	1 32	11 39	0 10	12 58	0 44	17 31	1 33	23 38	0 32	7 22	1 48	31 36	8 59	23 39	23 40	21 43		n.a.
T 15	6 24	16 4	4 34	7 33	0 11	2 38	1 32	11 56	0 11	13 2	0 43	17 30	1 33	23 38	0 32	7 22	1 48	31 36	8 59	23 38	23 40	21 42		n.a.
F 16	6 48	11 50	4 55	8 15	0 17	2 7	1 32	12 12	0 12	13 7	0 43	17 29	1 34	23 38	0 32	7 23	1 48	31 36	8 59	23 38	23 40	21 41		n.a.
S 17	7 11	7 4	5 2	8 57	0 24	1 36	1 31	12 28	0 12	13 11	0 43	17 27	1 34	23 38	0 32	7 23	1 48	31 36	8 59	23 38	23 39	21 40		n.a.
S 18	7 35	1 54	4 55	9 39	0 30	1 5	1 30	12 44	0 13	13 16	0 43	17 26	1 34	23 38	0 32	7 24	1 48	31 35	8 59	23 37	23 39	21 38		n.a.
M19	7 58	3s26	4 34	10 20	0 36	0 34	1 30	13 0	0 14	13 20	0 43	17 25	1 34	23 37	0 32	7 24	1 48	31 35	8 59	23 36	23 39	21 37		n.a.
T 20	8 21	8 44	3 57	11 1	0 43	0 3	1 29	13 16	0 14	13 25	0 43	17 24	1 34	23 37	0 32	7 25	1 48	31 35	8 58	23 36	23 39	21 36		n.a.
W21	8 44	13 43	3 8	11 41	0 49	0s28	1 28	13 32	0 15	13 29	0 43	17 22	1 35	23 37	0 32	7 25	1 48	31 35	8 58	23 36	23 39	21 35		n.a.
T 22	9 7	18 8	2 7	12 20	0 55	0 59	1 27	13 48	0 16	13 34	0 43	17 21	1 35	23 37	0 32	7 26	1 48	31 34	8 58	23 35	23 39	21 33		n.a.
F 23	9 30	21 38	0 58	12 59	1 1	1 30	1 26	14 3	0 16	13 38	0 42	17 20	1 35	23 37	0 32	7 26	1 48	31 34	8 58	23 35	23 39	21 32		n.a.
S 24	9 52	23 57	0s15	13 37	1 7	2 1	1 26	14 19	0 17	13 43	0 42	17 19	1 35	23 37	0 32	7 27	1 48	31 34	8 58	23 35	23 39	21 31		n.a.
S 25	10 15	24 49	1 28	14 15	1 13	2 32	1 24	14 34	0 17	13 47	0 42	17 18	1 35	23 37	0 32	7 27	1 48	31 34	8 57	23 35	23 39	21 30		n.a.
M26	10 37	24 8	2 37	14 52	1 18	3 3	1 23	14 49	0 18	13 52	0 42	17 17	1 36	23 36	0 32	7 28	1 48	31 33	8 57	23 35	23 38	21 28		n.a.
T 27	10 59	21 54	3 36	15 28	1 24	3 33	1 22	15 5	0 19	13 56	0 42	17 16	1 36	23 36	0 32	7 28	1 48	31 33	8 57	23 35	23 38	21 27		n.a.
W28	11 21	18 19	4 23	16 3	1 29	4 4	1 21	15 20	0 19	14 1	0 42	17 15	1 36	23 36	0 32	7 28	1 48	31 33	8 57	23 35	23 38	21 26		n.a.
T 29	11 43	13 39	4 54	16 38	1 34	4 35	1 20	15 34	0 20	14 5	0 42	17 14	1 36	23 36	0 32	7 29	1 48	31 33	8 57	23 35	23 38	21 25		n.a.
F 30	12 4	8 14	5 6	17 12	1 39	5 6	1 18	15 49	0 21	14 10	0 42	17 13	1 37	23 36	0 32	7 29	1 48	31 32	8 57	23 34	23 38	21 23		n.a.
S 31	12s26	2s25	4s59	17s45	1s44	5s36	1n17	16s 4	0s21	14s14	0n42	17n12	1n37	23s36	0s32	7s29	1s48	31s32	8s56	23n34	23n38	21n22		n.a.

Julian Day Number = 1561716.5, Delta T = 04h23m44s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'40, Lahiri = - 9°59'39 Julian Calendar 1 Oct. 438 BCE == Greg. Calendar 26 Sept. 438 BCE

The year -437 astronomical counting style corresponds to year 438 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

NOVEMBER 438 BCE (-437) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 17 2	3♏19'26	19♈27	15♏ 4	18♎19	13♏ 3	9♏53	17♑57	13♉27	15°R21	16♉50	22°R59	24♊21	10♑45	n.a.	S 1
M 2	2 20 58	4°20'27	3♉18	16°36	19°35	13°48	10° 7	18° 0	13°29	15♓20	16°51	22♊51	24°18	10°52	n.a.	M 2
T 3	2 24 55	5°21'29	16°51	18° 8	20°50	14°33	10°20	18° 4	13°31	15°19	16°52	22°44	24°15	10°59	n.a.	T 3
W 4	2 28 51	6°22'31	0♊ 4	19°39	22° 6	15°19	10°34	18° 7	13°33	15°18	16°53	22°39	24°12	11° 5	n.a.	W 4
T 5	2 32 48	7°23'35	12°56	21°10	23°22	16° 4	10°48	18°10	13°34	15°17	16°53	22°37	24° 8	11°12	n.a.	T 5
F 6	2 36 45	8°24'40	25°28	22°41	24°37	16°49	11° 1	18°13	13°36	15°16	16°54	22°D37	24° 5	11°19	n.a.	F 6
S 7	2 40 41	9°25'47	7♋43	24°12	25°53	17°35	11°15	18°16	13°38	15°15	16°55	22°37	24° 2	11°25	n.a.	S 7
S 8	2 44 38	10°26'54	19°45	25°42	27° 8	18°20	11°29	18°19	13°40	15°15	16°56	22°39	23°59	11°32	n.a.	S 8
M 9	2 48 34	11°28'02	1♌39	27°12	28°24	19° 6	11°42	18°22	13°42	15°14	16°57	22°41	23°56	11°39	n.a.	M 9
T 10	2 52 31	12°29'11	13°29	28°42	29°39	19°51	11°56	18°24	13°44	15°13	16°58	22°R41	23°53	11°45	n.a.	T 10
W11	2 56 27	13°30'22	25°21	0♐10	0♏55	20°37	12°10	18°27	13°46	15°12	16°59	22°40	23°49	11°52	n.a.	W11
T 12	3 0 24	14°31'33	7♍19	1°38	2°10	21°22	12°23	18°29	13°48	15°12	17° 0	22°38	23°46	11°59	n.a.	T 12
F 13	3 4 20	15°32'45	19°29	3° 5	3°26	22° 8	12°37	18°32	13°51	15°11	17° 0	22°33	23°43	12° 5	n.a.	F 13
S 14	3 8 17	16°33'58	1♎54	4°30	4°42	22°54	12°51	18°34	13°53	15°10	17° 1	22°28	23°40	12°12	n.a.	S 14
S 15	3 12 14	17°35'11	14°37	5°55	5°57	23°39	13° 4	18°36	13°55	15°10	17° 3	22°21	23°37	12°19	n.a.	S 15
M16	3 16 10	18°36'26	27°38	7°17	7°13	24°25	13°18	18°38	13°57	15° 9	17° 4	22°15	23°33	12°25	n.a.	M16
T 17	3 20 7	19°37'41	10♏58	8°38	8°28	25°11	13°32	18°40	14° 0	15° 9	17° 5	22°10	23°30	12°32	n.a.	T 17
W18	3 24 3	20°38'56	24°36	9°56	9°44	25°57	13°45	18°42	14° 2	15° 8	17° 6	22° 6	23°27	12°39	n.a.	W18
T 19	3 28 0	21°40'12	8♐28	11°12	10°59	26°43	13°59	18°44	14° 4	15° 8	17° 7	22° 3	23°24	12°46	n.a.	T 19
F 20	3 31 56	22°41'28	22°30	12°25	12°15	27°29	14°12	18°45	14° 7	15° 7	17° 8	22°D 3	23°21	12°52	n.a.	F 20
S 21	3 35 53	23°42'45	6♑40	13°34	13°31	28°15	14°26	18°47	14° 9	15° 7	17° 9	22° 3	23°18	12°59	n.a.	S 21
S 22	3 39 49	24°44'01	20°53	14°39	14°46	29° 1	14°40	18°48	14°12	15° 7	17°10	22° 5	23°14	13° 6	n.a.	S 22
M23	3 43 46	25°45'18	5♒ 8	15°38	16° 2	29°47	14°53	18°50	14°14	15° 6	17°11	22° 6	23°11	13°12	n.a.	M23
T 24	3 47 43	26°46'34	19°20	16°33	17°17	0♐33	15° 7	18°51	14°17	15° 6	17°13	22° 7	23° 8	13°19	n.a.	T 24
W25	3 51 39	27°47'51	3♓28	17°20	18°33	1°19	15°20	18°52	14°20	15° 6	17°14	22°R 7	23° 5	13°26	n.a.	W25
T 26	3 55 36	28°49'07	17°31	18° 1	19°48	2° 6	15°34	18°53	14°22	15° 5	17°15	22° 6	23° 2	13°32	n.a.	T 26
F 27	3 59 32	29°50'22	1♈27	18°33	21° 4	2°52	15°47	18°54	14°25	15° 5	17°16	22° 4	22°59	13°39	n.a.	F 27
S 28	4 3 29	0♐51'38	15°13	18°56	22°19	3°38	16° 1	18°55	14°28	15° 5	17°18	22° 1	22°55	13°46	n.a.	S 28
S 29	4 7 25	1°52'53	28°49	19° 9	23°35	4°24	16°14	18°55	14°31	15° 5	17°19	21°58	22°52	13°52	n.a.	S 29
M30	4 11 22	2♐54'08	12♉13	19°R12	24♏50	5♐11	16♏28	18♑56	14♉33	15♓ 5	17♉20	21♊55	22♊49	13♑59	n.a.	M30

Day	☉		☽			☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl		lat		decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s47	3n28		4s35		18s17	1s48	6s 7	1n16	16s18	0s22	14s19	0n42	17n11	1n37	23s35	0s32	7s30	1s48	31s32	8s56	23n34	23n38	21n21		n.a.
M 2	13 8	9 7		3 54		18 49	1 53	6 37	1 14	16 33	0 23	14 23	0 41	17 10	1 37	23 35	0 32	7 30	1 48	31 32	8 56	23 33	23 37	21 19		n.a.
T 3	13 29	14 12		3 1		19 19	1 57	7 7	1 13	16 47	0 23	14 27	0 41	17 9	1 38	23 35	0 32	7 31	1 48	31 31	8 56	23 33	23 37	21 18		n.a.
W 4	13 49	18 30		1 59		19 48	2 0	7 37	1 11	17 1	0 24	14 32	0 41	17 9	1 38	23 35	0 32	7 31	1 48	31 31	8 56	23 33	23 37	21 17		n.a.
T 5	14 9	21 47		0 52		20 16	2 4	8 7	1 9	17 15	0 24	14 36	0 41	17 8	1 38	23 35	0 32	7 31	1 47	31 31	8 56	23 32	23 37	21 15		n.a.
F 6	14 29	23 56		0n16		20 44	2 7	8 37	1 8	17 29	0 25	14 41	0 41	17 7	1 38	23 34	0 32	7 31	1 47	31 31	8 55	23 32	23 37	21 14		n.a.
S 7	14 49	24 52		1 21		21 9	2 10	9 6	1 6	17 42	0 26	14 45	0 41	17 6	1 38	23 34	0 32	7 32	1 47	31 30	8 55	23 32	23 37	21 13		n.a.
S 8	15 9	24 37		2 22		21 34	2 12	9 35	1 4	17 56	0 26	14 49	0 41	17 6	1 39	23 34	0 32	7 32	1 47	31 30	8 55	23 32	23 37	21 12		n.a.
M 9	15 28	23 14		3 16		21 58	2 14	10 4	1 2	18 9	0 27	14 54	0 41	17 5	1 39	23 34	0 32	7 32	1 47	31 30	8 55	23 33	23 36	21 10		n.a.
T 10	15 47	20 50		4 1		22 20	2 16	10 33	1 0	18 22	0 27	14 58	0 41	17 5	1 39	23 33	0 32	7 33	1 47	31 30	8 55	23 33	23 36	21 9		n.a.
W11	16 6	17 34		4 36		22 40	2 17	11 2	0 59	18 35	0 28	15 2	0 41	17 4	1 39	23 33	0 32	7 33	1 47	31 29	8 55	23 33	23 36	21 7		n.a.
T 12	16 24	13 34		5 0		23 0	2 17	11 30	0 57	18 48	0 29	15 7	0 41	17 3	1 40	23 33	0 32	7 33	1 47	31 29	8 55	23 32	23 36	21 6		n.a.
F 13	16 42	8 58		5 10		23 17	2 17	11 58	0 55	19 1	0 29	15 11	0 41	17 3	1 40	23 33	0 32	7 33	1 47	31 29	8 54	23 32	23 36	21 5		n.a.
S 14	17 0	3 55		5 7		23 33	2 17	12 26	0 53	19 13	0 30	15 15	0 40	17 2	1 40	23 32	0 32	7 33	1 47	31 28	8 54	23 32	23 36	21 3		n.a.
S 15	17 18	1s25		4 48		23 48	2 16	12 53	0 51	19 25	0 30	15 19	0 40	17 2	1 40	23 32	0 32	7 34	1 47	31 28	8 54	23 31	23 36	21 2		n.a.
M16	17 35	6 49		4 14		24 1	2 14	13 20	0 48	19 37	0 31	15 24	0 40	17 2	1 41	23 32	0 32	7 34	1 47	31 28	8 54	23 31	23 35	21 1		n.a.
T 17	17 52	12 3		3 26		24 11	2 11	13 47	0 46	19 49	0 32	15 28	0 40	17 1	1 41	23 32	0 32	7 34	1 47	31 28	8 54	23 31	23 35	20 59		n.a.
W18	18 9	16 50		2 25		24 20	2 8	14 13	0 44	20 1	0 32	15 32	0 40	17 1	1 41	23 31	0 32	7 34	1 47	31 27	8 54	23 31	23 35	20 58		n.a.
T 19	18 25	20 47		1 14		24 27	2 4	14 39	0 42	20 12	0 33	15 36	0 40	17 1	1 41	23 31	0 32	7 34	1 47	31 27	8 54	23 30	23 35	20 56		n.a.
F 20	18 41	23 35		0s 3		24 33	1 59	15 5	0 40	20 24	0 33	15 40	0 40	17 0	1 42	23 31	0 32	7 34	1 47	31 27	8 53	23 30	23 35	20 55		n.a.
S 21	18 57	24 54		1 19		24 36	1 53	15 30	0 38	20 35	0 34	15 44	0 40	17 0	1 42	23 31	0 32	7 34	1 47	31 26	8 53	23 30	23 35	20 54		n.a.
S 22	19 12	24 36		2 32		24 36	1 46	15 55	0 35	20 46	0 35	15 49	0 40	17 0	1 42	23 30	0 32	7 35	1 47	31 26	8 53	23 30	23 34	20 52		n.a.
M23	19 27	22 42		3 35		24 35	1 38	16 19	0 33	20 56	0 35	15 53	0 40	17 0	1 42	23 30	0 32	7 35	1 47	31 26	8 53	23 31	23 34	20 51		n.a.
T 24	19 41	19 24		4 25		24 32	1 29	16 43	0 31	21 7	0 36	15 57	0 40	17 0	1 43	23 30	0 32	7 35	1 47	31 26	8 53	23 31	23 34	20 49		n.a.
W25	19 55	14 59		4 58		24 26	1 18	17 7	0 28	21 17	0 36	16 1	0 40	16 59	1 43	23 29	0 32	7 35	1 46	31 25	8 53	23 31	23 34	20 48		n.a.
T 26	20 9	9 47		5 14		24 18	1 7	17 30	0 26	21 27	0 37	16 5	0 40	16 59	1 43	23 29	0 32	7 35	1 46	31 25	8 53	23 31	23 34	20 46		n.a.
F 27	20 23	4 9		5 10		24 8	0 54	17 52	0 24	21 37	0 37	16 9	0 40	16 59	1 43	23 29	0 32	7 35	1 46	31 25	8 53	23 30	23 34	20 45		n.a.
S 28	20 36	1n38		4 49		23 56	0 39	18 14	0 21	21 46	0 38	16 13	0 39	16 59	1 44	23 29	0 32	7 35	1 46	31 24	8 52	23 30	23 33	20 44		n.a.
S 29	20 48	7 16		4 12		23 42	0 24	18 36	0 19	21 56	0 39	16 17	0 39	16 59	1 44	23 28	0 32	7 35	1 46	31 24	8 52	23 30	23 33	20 42		n.a.
M30	21s 1	12n30		3s22		23s25	0s 7	18s57	0n17	22s 5	0s39	16s21	0n39	16n59	1n44	23s28	0s32	7s35	1s46	31s24	8s52	23n30	23n33	20n41		n.a.

Julian Day Number = 1561747.5, Delta T = 04h23m42s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'35, Lahiri = - 9°59'35 Julian Calendar 1 Nov. 438 BCE == Greg. Calendar 27 Oct. 438 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 438 BCE
geocentric

DECEMBER 438 BCE (-437) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 15 19	3♐55'24	25♉22	19°R 3	26♏ 6	5♐57	16♏41	18♌56	14♑36	15°R 5	17♑22	21°R53	22♊46	14♌ 6	n.a.	T 1
W 2	4 19 15	4°56'38	8♊16	18♐42	27°21	6°43	16°54	18°57	14°39	15°D 5	17°23	21♊51	22°43	14°13	n.a.	W 2
T 3	4 23 12	5°57'53	20°56	18° 9	28°37	7°30	17° 8	18°57	14°42	15♓ 5	17°25	21°D51	22°39	14°19	n.a.	T 3
F 4	4 27 8	6°59'08	3♋20	17°25	29°52	8°16	17°21	18°57	14°45	15° 5	17°26	21°51	22°36	14°26	n.a.	F 4
S 5	4 31 5	8° 0'23	15°32	16°30	1♐ 8	9° 3	17°34	18°R57	14°48	15° 5	17°27	21°52	22°33	14°33	n.a.	S 5
S 6	4 35 1	9° 1'37	27°33	15°26	2°23	9°49	17°47	18°57	14°51	15° 5	17°29	21°53	22°30	14°39	n.a.	S 6
M 7	4 38 58	10° 2'52	9♌27	14°15	3°39	10°36	18° 1	18°57	14°54	15° 5	17°30	21°55	22°27	14°46	n.a.	M 7
T 8	4 42 54	11° 4'06	21°18	12°58	4°54	11°23	18°14	18°56	14°57	15° 6	17°32	21°56	22°24	14°53	n.a.	T 8
W 9	4 46 51	12° 5'20	3♍ 9	11°38	6°10	12° 9	18°27	18°56	15° 0	15° 6	17°33	21°56	22°20	14°59	n.a.	W 9
T 10	4 50 48	13° 6'34	15° 7	10°18	7°25	12°56	18°40	18°55	15° 3	15° 6	17°35	21°R56	22°17	15° 6	n.a.	T 10
F 11	4 54 44	14° 7'48	27°15	9° 1	8°41	13°43	18°53	18°55	15° 6	15° 6	17°36	21°56	22°14	15°13	n.a.	F 11
S 12	4 58 41	15° 9'01	9♎39	7°48	9°56	14°29	19° 6	18°54	15° 9	15° 7	17°38	21°56	22°11	15°20	n.a.	S 12
S 13	5 2 37	16°10'14	22°21	6°42	11°11	15°16	19°19	18°53	15°12	15° 7	17°39	21°55	22° 8	15°26	n.a.	S 13
M14	5 6 34	17°11'27	5♏26	5°43	12°27	16° 3	19°32	18°52	15°15	15° 7	17°41	21°54	22° 4	15°33	n.a.	M14
T 15	5 10 30	18°12'39	18°54	4°53	13°42	16°50	19°45	18°51	15°18	15° 8	17°42	21°54	22° 1	15°40	n.a.	T 15
W16	5 14 27	19°13'51	2♐45	4°13	14°58	17°37	19°58	18°50	15°22	15° 8	17°44	21°53	21°58	15°46	n.a.	W16
T 17	5 18 23	20°15'03	16°58	3°42	16°13	18°23	20°10	18°49	15°25	15° 9	17°46	21°D53	21°55	15°53	n.a.	T 17
F 18	5 22 20	21°16'14	1♑26	3°20	17°29	19°10	20°23	18°47	15°28	15° 9	17°47	21°53	21°52	16° 0	n.a.	F 18
S 19	5 26 17	22°17'23	16° 5	3° 8	18°44	19°57	20°36	18°46	15°31	15°10	17°49	21°R53	21°49	16° 6	n.a.	S 19
S 20	5 30 13	23°18'32	0♒48	3°D 4	19°59	20°44	20°48	18°44	15°35	15°11	17°50	21°53	21°45	16°13	n.a.	S 20
M21	5 34 10	24°19'40	15°28	3° 9	21°15	21°31	21° 1	18°42	15°38	15°11	17°52	21°53	21°42	16°20	n.a.	M21
T 22	5 38 6	25°20'47	29°59	3°21	22°30	22°18	21°14	18°41	15°41	15°12	17°54	21°53	21°39	16°26	n.a.	T 22
W23	5 42 3	26°21'52	14♓17	3°40	23°45	23° 5	21°26	18°39	15°45	15°13	17°55	21°52	21°36	16°33	n.a.	W23
T 24	5 45 59	27°22'56	28°20	4° 5	25° 1	23°52	21°38	18°37	15°48	15°13	17°57	21°D52	21°33	16°40	n.a.	T 24
F 25	5 49 56	28°23'59	12♈ 6	4°36	26°16	24°39	21°51	18°35	15°51	15°14	17°59	21°52	21°30	16°47	n.a.	F 25
S 26	5 53 53	29°25'00	25°35	5°13	27°31	25°26	22° 3	18°32	15°55	15°15	18° 0	21°53	21°26	16°53	n.a.	S 26
S 27	5 57 49	0♑26'00	8♉49	5°54	28°47	26°13	22°15	18°30	15°58	15°16	18° 2	21°54	21°23	17° 0	n.a.	S 27
M28	6 1 46	1°26'59	21°48	6°40	0♑ 2	27° 0	22°27	18°28	16° 1	15°17	18° 4	21°55	21°20	17° 7	n.a.	M28
T 29	6 5 42	2°27'57	4♊33	7°30	1°17	27°47	22°39	18°25	16° 5	15°18	18° 6	21°56	21°17	17°13	n.a.	T 29
W30	6 9 39	3°28'53	17° 6	8°23	2°32	28°35	22°51	18°23	16° 8	15°19	18° 7	21°R56	21°14	17°20	n.a.	W30
T 31	6 13 35	4♑29'48	29♊29	9♐20	3♑48	29♐22	23♏ 3	18♌20	16♑12	15♓20	18♑ 9	21♊56	21♊11	17♌27	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21s12	17n 4	2s21	23s 7	0n11	19s18	0n14	22s14	0s40	16s25	0n39	16n59	1n45	23s28	0s32	7s35	1s46	31s23	8s52	23n30	23n33	20n39			n.a.
W 2	21 24	20 45	1 14	22 46	0 30	19 38	0 12	22 22	0 40	16 29	0 39	17 0	1 45	23 27	0 32	7 35	1 46	31 23	8 52	23 30	23 33	20 38			n.a.
T 3	21 35	23 21	0 5	22 24	0 49	19 57	0 10	22 31	0 41	16 32	0 39	17 0	1 45	23 27	0 32	7 35	1 46	31 23	8 52	23 30	23 33	20 36			n.a.
F 4	21 45	24 45	1n 3	22 0	1 9	20 16	0 7	22 39	0 41	16 36	0 39	17 0	1 45	23 27	0 32	7 35	1 46	31 23	8 52	23 30	23 32	20 35			n.a.
S 5	21 56	24 56	2 7	21 35	1 29	20 34	0 5	22 47	0 42	16 40	0 39	17 0	1 46	23 26	0 32	7 34	1 46	31 22	8 52	23 30	23 32	20 33			n.a.
S 6	22 5	23 56	3 5	21 9	1 48	20 52	0 2	22 54	0 42	16 44	0 39	17 1	1 46	23 26	0 31	7 34	1 46	31 22	8 52	23 30	23 32	20 32			n.a.
M 7	22 15	21 52	3 54	20 43	2 7	21 9	0s 0	23 2	0 43	16 48	0 39	17 1	1 46	23 26	0 31	7 34	1 46	31 22	8 52	23 30	23 32	20 30			n.a.
T 8	22 23	18 53	4 33	20 16	2 24	21 26	0 2	23 9	0 43	16 51	0 39	17 1	1 46	23 25	0 31	7 34	1 46	31 21	8 51	23 30	23 32	20 29			n.a.
W 9	22 32	15 8	5 0	19 51	2 39	21 42	0 5	23 16	0 44	16 55	0 39	17 2	1 47	23 25	0 31	7 34	1 46	31 21	8 51	23 30	23 31	20 27			n.a.
T 10	22 40	10 46	5 15	19 27	2 52	21 57	0 7	23 23	0 44	16 59	0 39	17 2	1 47	23 24	0 31	7 34	1 46	31 21	8 51	23 30	23 31	20 26			n.a.
F 11	22 47	5 55	5 16	19 4	3 3	22 11	0 10	23 29	0 45	17 2	0 39	17 2	1 47	23 24	0 31	7 34	1 46	31 21	8 51	23 30	23 31	20 24			n.a.
S 12	22 55	0 45	5 2	18 45	3 12	22 25	0 12	23 35	0 45	17 6	0 39	17 3	1 47	23 24	0 31	7 33	1 46	31 20	8 51	23 30	23 31	20 23			n.a.
S 13	23 1	4s35	4 34	18 28	3 18	22 39	0 14	23 41	0 46	17 10	0 39	17 3	1 48	23 23	0 31	7 33	1 45	31 20	8 51	23 30	23 31	20 21			n.a.
M14	23 7	9 53	3 50	18 14	3 21	22 51	0 17	23 47	0 46	17 13	0 39	17 4	1 48	23 23	0 31	7 33	1 45	31 20	8 51	23 30	23 30	20 20			n.a.
T 15	23 13	14 54	2 53	18 4	3 23	23 3	0 19	23 52	0 47	17 17	0 39	17 5	1 48	23 23	0 31	7 33	1 45	31 19	8 51	23 30	23 30	20 18			n.a.
W16	23 18	19 17	1 44	17 57	3 22	23 14	0 21	23 57	0 47	17 20	0 39	17 5	1 48	23 22	0 31	7 33	1 45	31 19	8 51	23 30	23 30	20 16			n.a.
T 17	23 23	22 39	0 27	17 53	3 20	23 25	0 24	24 2	0 48	17 24	0 39	17 6	1 49	23 22	0 31	7 32	1 45	31 19	8 51	23 30	23 30	20 15			n.a.
F 18	23 27	24 37	0s53	17 53	3 16	23 35	0 26	24 6	0 48	17 27	0 38	17 6	1 49	23 21	0 31	7 32	1 45	31 19	8 51	23 30	23 30	20 13			n.a.
S 19	23 31	24 55	2 10	17 56	3 11	23 44	0 28	24 10	0 49	17 31	0 38	17 7	1 49	23 21	0 31	7 32	1 45	31 18	8 51	23 30	23 29	20 12			n.a.
S 20	23 35	23 29	3 20	18 1	3 5	23 52	0 30	24 14	0 49	17 34	0 38	17 8	1 49	23 21	0 31	7 32	1 45	31 18	8 51	23 30	23 29	20 10			n.a.
M21	23 37	20 28	4 16	18 9	2 58	24 0	0 32	24 18	0 50	17 38	0 38	17 9	1 50	23 20	0 31	7 31	1 45	31 18	8 51	23 30	23 29	20 9			n.a.
T 22	23 40	16 12	4 55	18 19	2 50	24 7	0 35	24 21	0 50	17 41	0 38	17 9	1 50	23 20	0 31	7 31	1 45	31 18	8 51	23 30	23 29	20 7			n.a.
W23	23 42	11 5	5 15	18 30	2 42	24 13	0 37	24 24	0 51	17 44	0 38	17 10	1 50	23 20	0 31	7 31	1 45	31 17	8 51	23 30	23 29	20 5			n.a.
T 24	23 43	5 29	5 15	18 44	2 33	24 18	0 39	24 27	0 51	17 48	0 38	17 11	1 50	23 19	0 31	7 30	1 45	31 17	8 51	23 30	23 28	20 4			n.a.
F 25	23 44	0n17	4 58	18 58	2 24	24 23	0 41	24 30	0 52	17 51	0 38	17 12	1 51	23 19	0 31	7 30	1 45	31 17	8 51	23 30	23 28	20 2			n.a.
S 26	23 45	5 55	4 24	19 14	2 15	24 27	0 43	24 32	0 52	17 54	0 38	17 13	1 51	23 18	0 31	7 29	1 45	31 17	8 51	23 30	23 28	20 1			n.a.
S 27	23 45	11 12	3 37	19 31	2 5	24 30	0 45	24 34	0 52	17 57	0 38	17 14	1 51	23 18	0 31	7 29	1 45	31 16	8 51	23 30	23 28	19 59			n.a.
M28	23 44	15 53	2 39	19 48	1 55	24 32	0 47	24 36	0 53	18 0	0 38	17 15	1 51	23 18	0 31	7 29	1 45	31 16	8 51	23 30	23 28	19 57			n.a.
T 29	23 43	19 46	1 35	20 6	1 46	24 34	0 49	24 37	0 53	18 4	0 38	17 16	1 51	23 17	0 31	7 28	1 45	31 16	8 51	23 30	23 27	19 56			n.a.
W30	23 42	22 40	0 27	20 25	1 36	24 34	0 51	24 38	0 54	18 7	0 38	17 17	1 52	23 17	0 31	7 28	1 45	31 15	8 51	23 30	23 27	19 54			n.a.
T 31	23s40	24n27	0n42	20s43	1n26	24s34	0s53	24s39	0s54	18s10	0n38	17n18	1n52	23s16	0s31	7s27	1s45	31s15	8s51	23n30	23n27	19n52			n.a.

Julian Day Number = 1561777.5, Delta T = 04h23m41s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'31, Lahiri = - 9°59'31 Julian Calendar 1 Dec. 438 BCE == Greg. Calendar 26 Nov. 438 BCE

The year -437 astronomical counting style corresponds to year 438 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

JANUARY 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 17 32	5♑30'42	11♋41	10♐19	5♑ 3	0♑ 9	23♏15	18°R17	16♑15	15♓21	18♑11	21°R55	21♊ 7	17♌33	n.a.	F 1
S 2	6 21 28	6°31'34	23°45	11°21	6°18	0°56	23°27	18♌14	16°19	15°22	18°12	21♊54	21° 4	17°40	n.a.	S 2
S 3	6 25 25	7°32'25	5♌43	12°26	7°33	1°43	23°38	18°12	16°22	15°23	18°14	21°51	21° 1	17°47	n.a.	S 3
M 4	6 29 22	8°33'15	17°36	13°33	8°48	2°30	23°50	18° 8	16°25	15°24	18°16	21°49	20°58	17°54	n.a.	M 4
T 5	6 33 18	9°34'04	29°26	14°42	10° 3	3°17	24° 2	18° 5	16°29	15°25	18°18	21°46	20°55	18° 0	n.a.	T 5
W 6	6 37 15	10°34'52	11♍18	15°54	11°19	4° 5	24°13	18° 2	16°32	15°26	18°19	21°43	20°51	18° 7	n.a.	W 6
T 7	6 41 11	11°35'38	23°15	17° 6	12°34	4°52	24°24	17°59	16°36	15°27	18°21	21°41	20°48	18°14	n.a.	T 7
F 8	6 45 8	12°36'23	5♎21	18°21	13°49	5°39	24°36	17°56	16°39	15°29	18°23	21°40	20°45	18°20	n.a.	F 8
S 9	6 49 4	13°37'07	17°40	19°37	15° 4	6°26	24°47	17°52	16°43	15°30	18°25	21°D40	20°42	18°27	n.a.	S 9
S 10	6 53 1	14°37'50	0♏17	20°55	16°19	7°14	24°58	17°49	16°46	15°31	18°26	21°41	20°39	18°34	n.a.	S 10
M11	6 56 57	15°38'31	13°16	22°14	17°34	8° 1	25° 9	17°45	16°50	15°32	18°28	21°42	20°36	18°41	n.a.	M11
T 12	7 0 54	16°39'11	26°41	23°34	18°49	8°48	25°20	17°41	16°53	15°34	18°30	21°44	20°32	18°47	n.a.	T 12
W13	7 4 51	17°39'50	10♐32	24°56	20° 4	9°35	25°31	17°38	16°57	15°35	18°32	21°45	20°29	18°54	n.a.	W13
T 14	7 8 47	18°40'28	24°50	26°19	21°19	10°23	25°42	17°34	17° 0	15°36	18°34	21°R45	20°26	19° 1	n.a.	T 14
F 15	7 12 44	19°41'04	9♑32	27°43	22°35	11°10	25°52	17°30	17° 4	15°38	18°35	21°44	20°23	19° 7	n.a.	F 15
S 16	7 16 40	20°41'38	24°30	29° 8	23°50	11°57	26° 3	17°26	17° 7	15°39	18°37	21°42	20°20	19°14	n.a.	S 16
S 17	7 20 37	21°42'11	9♒38	0♑34	25° 5	12°44	26°13	17°22	17°11	15°41	18°39	21°38	20°17	19°21	n.a.	S 17
M18	7 24 33	22°42'41	24°44	2° 2	26°20	13°32	26°24	17°18	17°14	15°42	18°41	21°34	20°13	19°27	n.a.	M18
T 19	7 28 30	23°43'10	9♓39	3°30	27°35	14°19	26°34	17°14	17°18	15°44	18°42	21°29	20°10	19°34	n.a.	T 19
W20	7 32 27	24°43'37	24°17	4°59	28°50	15° 6	26°44	17°10	17°21	15°45	18°44	21°25	20° 7	19°41	n.a.	W20
T 21	7 36 23	25°44'01	8♈32	6°30	0♒ 5	15°53	26°54	17° 6	17°25	15°47	18°46	21°22	20° 4	19°48	n.a.	T 21
F 22	7 40 20	26°44'24	22°22	8° 1	1°19	16°41	27° 4	17° 2	17°28	15°49	18°48	21°D21	20° 1	19°54	n.a.	F 22
S 23	7 44 16	27°44'44	5♉47	9°34	2°34	17°28	27°14	16°57	17°31	15°50	18°49	21°21	19°57	20° 1	n.a.	S 23
S 24	7 48 13	28°45'02	18°51	11° 7	3°49	18°15	27°24	16°53	17°35	15°52	18°51	21°22	19°54	20° 8	n.a.	S 24
M25	7 52 9	29°45'19	1♊35	12°42	5° 4	19° 2	27°34	16°48	17°38	15°54	18°53	21°24	19°51	20°14	n.a.	M25
T 26	7 56 6	0♒45'33	14° 4	14°17	6°19	19°50	27°43	16°44	17°42	15°55	18°55	21°25	19°48	20°21	n.a.	T 26
W27	8 0 2	1°45'45	26°21	15°54	7°34	20°37	27°52	16°40	17°45	15°57	18°56	21°R25	19°45	20°28	n.a.	W27
T 28	8 3 59	2°45'54	8♋29	17°31	8°49	21°24	28° 2	16°35	17°49	15°59	18°58	21°24	19°42	20°34	n.a.	T 28
F 29	8 7 56	3°46'02	20°30	19°10	10° 3	22°11	28°11	16°31	17°52	16° 1	19° 0	21°20	19°38	20°41	n.a.	F 29
S 30	8 11 52	4°46'08	2♌26	20°49	11°18	22°59	28°20	16°26	17°55	16° 2	19° 2	21°14	19°35	20°48	n.a.	S 30
S 31	8 15 49	5♒46'12	14♌19	22♑30	12♒33	23♑46	28♏29	16♌21	17♑59	16♓ 4	19♑ 3	21♊ 7	19♊32	20♌55	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s38	25n 0	1n47	21s 2	1n16	24s34	0s55	24s39	0s55	18s13	0n38	17n19	1n52	23s16	0s31	7s27	1s44	31s15	8s51	23n30	23n27	19n51		n.a.
S 2	23 35	24 22	2 47	21 20	1 7	24 32	0 56	24 40	0 55	18 16	0 38	17 20	1 52	23 15	0 31	7 27	1 44	31 15	8 51	23 30	23 27	19 49		n.a.
S 3	23 32	22 37	3 39	21 38	0 57	24 30	0 58	24 40	0 55	18 19	0 38	17 21	1 53	23 15	0 31	7 26	1 44	31 15	8 51	23 30	23 26	19 47		n.a.
M 4	23 28	19 53	4 21	21 56	0 48	24 27	1 0	24 39	0 56	18 22	0 38	17 22	1 53	23 15	0 31	7 26	1 44	31 14	8 51	23 29	23 26	19 46		n.a.
T 5	23 24	16 21	4 52	22 13	0 38	24 23	1 2	24 38	0 56	18 25	0 38	17 24	1 53	23 14	0 31	7 25	1 44	31 14	8 51	23 29	23 26	19 44		n.a.
W 6	23 19	12 11	5 10	22 30	0 29	24 19	1 3	24 38	0 56	18 27	0 38	17 25	1 53	23 14	0 31	7 25	1 44	31 14	8 51	23 29	23 26	19 42		n.a.
T 7	23 14	7 31	5 15	22 47	0 20	24 13	1 5	24 36	0 57	18 30	0 38	17 26	1 53	23 13	0 31	7 24	1 44	31 14	8 51	23 29	23 25	19 41		n.a.
F 8	23 9	2 32	5 6	23 2	0 12	24 7	1 6	24 35	0 57	18 33	0 38	17 27	1 54	23 13	0 31	7 24	1 44	31 13	8 51	23 29	23 25	19 39		n.a.
S 9	23 2	2s40	4 43	23 17	0 3	24 0	1 8	24 33	0 58	18 36	0 38	17 29	1 54	23 12	0 31	7 23	1 44	31 13	8 51	23 29	23 25	19 37		n.a.
S 10	22 56	7 52	4 7	23 31	0s 5	23 53	1 9	24 31	0 58	18 39	0 38	17 30	1 54	23 12	0 31	7 22	1 44	31 13	8 51	23 29	23 25	19 36		n.a.
M11	22 49	12 54	3 16	23 45	0 14	23 45	1 11	24 28	0 58	18 41	0 38	17 31	1 54	23 12	0 31	7 22	1 44	31 13	8 51	23 29	23 25	19 34		n.a.
T 12	22 42	17 30	2 14	23 57	0 22	23 36	1 12	24 26	0 59	18 44	0 38	17 32	1 54	23 11	0 31	7 21	1 44	31 12	8 51	23 29	23 24	19 32		n.a.
W13	22 34	21 18	1 1	24 8	0 29	23 26	1 13	24 23	0 59	18 47	0 38	17 34	1 55	23 11	0 31	7 21	1 44	31 12	8 51	23 29	23 24	19 31		n.a.
T 14	22 26	23 56	0s17	24 18	0 37	23 15	1 14	24 19	0 59	18 49	0 38	17 35	1 55	23 10	0 31	7 20	1 44	31 12	8 51	23 29	23 24	19 29		n.a.
F 15	22 17	25 0	1 36	24 28	0 44	23 4	1 16	24 16	1 0	18 52	0 38	17 37	1 55	23 10	0 31	7 20	1 44	31 12	8 51	23 29	23 24	19 27		n.a.
S 16	22 8	24 17	2 50	24 36	0 51	22 53	1 17	24 12	1 0	18 54	0 38	17 38	1 55	23 9	0 31	7 19	1 44	31 12	8 51	23 29	23 23	19 25		n.a.
S 17	21 58	21 48	3 53	24 42	0 58	22 40	1 18	24 8	1 0	18 57	0 38	17 39	1 55	23 9	0 31	7 18	1 44	31 11	8 51	23 29	23 23	19 24		n.a.
M18	21 48	17 49	4 39	24 48	1 4	22 27	1 19	24 3	1 1	18 59	0 38	17 41	1 55	23 8	0 31	7 18	1 44	31 11	8 51	23 29	23 23	19 22		n.a.
T 19	21 38	12 45	5 6	24 52	1 10	22 13	1 20	23 59	1 1	19 2	0 38	17 42	1 56	23 8	0 31	7 17	1 44	31 11	8 51	23 28	23 23	19 20		n.a.
W20	21 27	7 3	5 12	24 55	1 16	21 58	1 21	23 54	1 1	19 4	0 38	17 44	1 56	23 8	0 31	7 16	1 44	31 11	8 51	23 28	23 22	19 18		n.a.
T 21	21 16	1 8	4 58	24 57	1 22	21 43	1 21	23 48	1 2	19 6	0 38	17 45	1 56	23 7	0 31	7 16	1 44	31 11	8 51	23 28	23 22	19 17		n.a.
F 22	21 5	4n41	4 28	24 57	1 27	21 27	1 22	23 43	1 2	19 9	0 38	17 47	1 56	23 7	0 31	7 15	1 44	31 11	8 52	23 28	23 22	19 15		n.a.
S 23	20 53	10 7	3 43	24 56	1 32	21 11	1 23	23 37	1 2	19 11	0 38	17 48	1 56	23 6	0 32	7 14	1 43	31 10	8 52	23 28	23 22	19 13		n.a.
S 24	20 41	14 58	2 48	24 53	1 37	20 54	1 23	23 31	1 2	19 13	0 38	17 49	1 56	23 6	0 32	7 14	1 43	31 10	8 52	23 28	23 22	19 11		n.a.
M25	20 28	19 1	1 46	24 49	1 41	20 36	1 24	23 25	1 3	19 16	0 38	17 51	1 57	23 5	0 32	7 13	1 43	31 10	8 52	23 28	23 21	19 10		n.a.
T 26	20 15	22 7	0 40	24 43	1 45	20 18	1 25	23 18	1 3	19 18	0 38	17 52	1 57	23 5	0 32	7 12	1 43	31 10	8 52	23 28	23 21	19 8		n.a.
W27	20 1	24 9	0n27	24 35	1 49	19 59	1 25	23 11	1 3	19 20	0 38	17 54	1 57	23 4	0 32	7 12	1 43	31 10	8 52	23 28	23 21	19 6		n.a.
T 28	19 48	24 59	1 31	24 26	1 52	19 40	1 25	23 4	1 3	19 22	0 38	17 55	1 57	23 4	0 32	7 11	1 43	31 10	8 52	23 28	23 21	19 4		n.a.
F 29	19 34	24 39	2 31	24 15	1 55	19 20	1 26	22 56	1 4	19 24	0 38	17 57	1 57	23 4	0 32	7 10	1 43	31 9	8 52	23 28	23 20	19 3		n.a.
S 30	19 19	23 10	3 23	24 3	1 58	18 59	1 26	22 49	1 4	19 26	0 38	17 59	1 57	23 3	0 32	7 9	1 43	31 9	8 52	23 27	23 20	19 1		n.a.
S 31	19s 4	20n40	4n 7	23s49	2s 0	18s38	1s26	22s41	1s 4	19s28	0n38	18n 0	1n57	23s 3	0s32	7s 9	1s43	31s 9	8s52	23n27	23n20	18n59		n.a.

Julian Day Number = 1561808.5, Delta T = 04h23m40s
Ecliptic obliquity = 23°44'54, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'27, Lahiri = - 9°59'27 Julian Calendar 1 Jan. 437 BCE == Greg. Calendar 27 Dec. 438 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

FEBRUARY 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 19 45	6♒46'14	26♌11	24♉12	13♒48	24♉33	28♏38	16°R17	18♉ 2	16♓ 6	19♉ 5	20°R58	19♊29	21♌ 1	n.a.	M 1
T 2	8 23 42	7°46'13	8♍ 3	25°54	15° 2	25°20	28°46	16♌12	18° 5	16° 8	19° 7	20♊48	19°26	21° 8	n.a.	T 2
W 3	8 27 38	8°46'11	19°57	27°38	16°17	26° 7	28°55	16° 8	18° 9	16°10	19° 8	20°40	19°22	21°15	n.a.	W 3
T 4	8 31 35	9°46'07	1♎56	29°23	17°32	26°54	29° 3	16° 3	18°12	16°12	19°10	20°32	19°19	21°21	n.a.	T 4
F 5	8 35 31	10°46'01	14° 2	1♒ 9	18°47	27°42	29°12	15°58	18°15	16°13	19°12	20°26	19°16	21°28	n.a.	F 5
S 6	8 39 28	11°45'54	26°20	2°57	20° 1	28°29	29°20	15°53	18°19	16°15	19°13	20°23	19°13	21°35	n.a.	S 6
S 7	8 43 24	12°45'44	8♏53	4°45	21°16	29°16	29°28	15°49	18°22	16°17	19°15	20°D21	19°10	21°42	n.a.	S 7
M 8	8 47 21	13°45'33	21°45	6°34	22°30	0♒ 3	29°36	15°44	18°25	16°19	19°17	20°21	19° 7	21°48	n.a.	M 8
T 9	8 51 18	14°45'20	5♐ 1	8°25	23°45	0°50	29°44	15°39	18°28	16°21	19°18	20°22	19° 3	21°55	n.a.	T 9
W10	8 55 14	15°45'06	18°43	10°17	25° 0	1°37	29°51	15°35	18°31	16°23	19°20	20°R23	19° 0	22° 2	n.a.	W10
T 11	8 59 11	16°44'49	2♑54	12°10	26°14	2°24	29°59	15°30	18°35	16°25	19°22	20°22	18°57	22° 8	n.a.	T 11
F 12	9 3 7	17°44'31	17°32	14° 4	27°29	3°11	0♐ 6	15°25	18°38	16°27	19°23	20°20	18°54	22°15	n.a.	F 12
S 13	9 7 4	18°44'10	2♒32	15°59	28°43	3°58	0°13	15°20	18°41	16°29	19°25	20°14	18°51	22°22	n.a.	S 13
S 14	9 11 0	19°43'48	17°48	17°56	29°58	4°45	0°20	15°16	18°44	16°31	19°26	20° 7	18°48	22°29	n.a.	S 14
M15	9 14 57	20°43'23	3♓ 7	19°53	1♓12	5°32	0°27	15°11	18°47	16°33	19°28	19°58	18°44	22°35	n.a.	M15
T 16	9 18 53	21°42'57	18°20	21°51	2°27	6°19	0°34	15° 6	18°50	16°36	19°29	19°48	18°41	22°42	n.a.	T 16
W17	9 22 50	22°42'27	3♈14	23°51	3°41	7° 6	0°41	15° 2	18°53	16°38	19°31	19°40	18°38	22°49	n.a.	W17
T 18	9 26 47	23°41'56	17°44	25°51	4°56	7°53	0°47	14°57	18°56	16°40	19°32	19°33	18°35	22°55	n.a.	T 18
F 19	9 30 43	24°41'22	1♉45	27°51	6°10	8°40	0°53	14°52	18°59	16°42	19°34	19°28	18°32	23° 2	n.a.	F 19
S 20	9 34 40	25°40'45	15°17	29°52	7°24	9°27	1° 0	14°48	19° 2	16°44	19°35	19°26	18°28	23° 9	n.a.	S 20
S 21	9 38 36	26°40'06	28°21	1♓54	8°39	10°14	1° 6	14°43	19° 5	16°46	19°37	19°D26	18°25	23°15	n.a.	S 21
M22	9 42 33	27°39'25	11♊ 3	3°56	9°53	11° 1	1°11	14°39	19° 8	16°48	19°38	19°26	18°22	23°22	n.a.	M22
T 23	9 46 29	28°38'42	23°26	5°57	11° 7	11°47	1°17	14°34	19°11	16°51	19°40	19°R26	18°19	23°29	n.a.	T 23
W24	9 50 26	29°37'56	5♋35	7°58	12°21	12°34	1°23	14°30	19°14	16°53	19°41	19°25	18°16	23°36	n.a.	W24
T 25	9 54 22	0♓37'07	17°34	9°59	13°36	13°21	1°28	14°25	19°17	16°55	19°43	19°21	18°13	23°42	n.a.	T 25
F 26	9 58 19	1°36'17	29°28	11°59	14°50	14° 8	1°33	14°21	19°19	16°57	19°44	19°15	18° 9	23°49	n.a.	F 26
S 27	10 2 16	2°35'23	11♌19	13°57	16° 4	14°54	1°38	14°16	19°22	16°59	19°45	19° 6	18° 6	23°56	n.a.	S 27
S 28	10 6 12	3°34'28	23°10	15°53	17°18	15°41	1°43	14°12	19°25	17° 1	19°47	18°55	18° 3	24° 2	n.a.	S 28
M29	10 10 9	4♓33'30	5♍ 3	17♓48	18♓32	16♒28	1♐48	14♌ 8	19♉28	17♓ 4	19♉48	18♊41	18♊ 0	24♌ 9	n.a.	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s49	17n19	4n39	23s33	2s 2	18s17	1s26	22s33	1s 4	19s30	0n38	18n 2	1n57	23s 2	0s32	7s 8	1s43	31s 9	8s53	23n26	23n20	18n57		n.a.
T 2	18 34	13 16	4 59	23 15	2 3	17 54	1 26	22 24	1 4	19 32	0 38	18 3	1 58	23 2	0 32	7 7	1 43	31 9	8 53	23 26	23 19	18 55		n.a.
W 3	18 18	8 43	5 7	22 56	2 4	17 32	1 26	22 15	1 5	19 34	0 38	18 5	1 58	23 1	0 32	7 6	1 43	31 9	8 53	23 25	23 19	18 53		n.a.
T 4	18 2	3 49	5 1	22 34	2 5	17 9	1 26	22 6	1 5	19 36	0 38	18 6	1 58	23 1	0 32	7 6	1 43	31 9	8 53	23 24	23 19	18 52		n.a.
F 5	17 46	1s17	4 42	22 11	2 5	16 45	1 26	21 57	1 5	19 38	0 38	18 8	1 58	23 1	0 32	7 5	1 43	31 8	8 53	23 24	23 19	18 50		n.a.
S 6	17 29	6 26	4 9	21 46	2 4	16 21	1 26	21 48	1 5	19 39	0 38	18 9	1 58	23 0	0 32	7 4	1 43	31 8	8 53	23 24	23 18	18 48		n.a.
S 7	17 12	11 25	3 24	21 19	2 3	15 57	1 26	21 38	1 5	19 41	0 38	18 11	1 58	23 0	0 32	7 3	1 43	31 8	8 53	23 24	23 18	18 46		n.a.
M 8	16 55	16 4	2 27	20 50	2 2	15 32	1 26	21 28	1 6	19 43	0 38	18 12	1 58	22 59	0 32	7 3	1 43	31 8	8 54	23 24	23 18	18 44		n.a.
T 9	16 37	20 4	1 22	20 19	2 0	15 7	1 25	21 18	1 6	19 44	0 38	18 14	1 58	22 59	0 32	7 2	1 43	31 8	8 54	23 24	23 17	18 42		n.a.
W10	16 19	23 7	0 9	19 47	1 58	14 41	1 25	21 8	1 6	19 46	0 38	18 15	1 58	22 58	0 32	7 1	1 43	31 8	8 54	23 24	23 17	18 41		n.a.
T 11	16 1	24 50	1s 7	19 12	1 55	14 15	1 24	20 57	1 6	19 48	0 38	18 17	1 58	22 58	0 32	7 0	1 43	31 8	8 54	23 24	23 17	18 39		n.a.
F 12	15 43	24 54	2 20	18 36	1 52	13 49	1 24	20 46	1 6	19 49	0 38	18 18	1 58	22 58	0 32	6 59	1 43	31 8	8 54	23 23	23 17	18 37		n.a.
S 13	15 24	23 11	3 25	17 57	1 48	13 22	1 23	20 35	1 6	19 51	0 38	18 20	1 59	22 57	0 32	6 58	1 43	31 8	8 54	23 23	23 16	18 35		n.a.
S 14	15 5	19 46	4 17	17 17	1 43	12 55	1 22	20 24	1 6	19 52	0 38	18 21	1 59	22 57	0 32	6 58	1 43	31 8	8 55	23 22	23 16	18 33		n.a.
M15	14 46	15 0	4 51	16 35	1 38	12 27	1 22	20 12	1 7	19 54	0 38	18 23	1 59	22 56	0 32	6 57	1 43	31 8	8 55	23 22	23 16	18 31		n.a.
T 16	14 27	9 19	5 4	15 51	1 32	11 59	1 21	20 1	1 7	19 55	0 38	18 24	1 59	22 56	0 32	6 56	1 43	31 8	8 55	23 21	23 16	18 29		n.a.
W17	14 7	3 12	4 55	15 6	1 26	11 31	1 20	19 49	1 7	19 57	0 38	18 26	1 59	22 55	0 32	6 55	1 43	31 7	8 55	23 20	23 15	18 27		n.a.
T 18	13 48	2n55	4 28	14 18	1 19	11 3	1 19	19 37	1 7	19 58	0 38	18 27	1 59	22 55	0 32	6 54	1 43	31 7	8 55	23 20	23 15	18 25		n.a.
F 19	13 28	8 43	3 45	13 29	1 12	10 34	1 18	19 24	1 7	19 59	0 38	18 28	1 59	22 55	0 32	6 53	1 43	31 7	8 55	23 19	23 15	18 24		n.a.
S 20	13 7	13 54	2 51	12 39	1 4	10 5	1 17	19 12	1 7	20 1	0 38	18 30	1 59	22 54	0 32	6 53	1 43	31 7	8 56	23 19	23 14	18 22		n.a.
S 21	12 47	18 16	1 50	11 47	0 55	9 36	1 16	18 59	1 7	20 2	0 38	18 31	1 59	22 54	0 32	6 52	1 43	31 7	8 56	23 19	23 14	18 20		n.a.
M22	12 27	21 39	0 45	10 54	0 46	9 7	1 15	18 46	1 7	20 3	0 38	18 33	1 59	22 53	0 32	6 51	1 43	31 7	8 56	23 19	23 14	18 18		n.a.
T 23	12 6	23 56	0n21	10 0	0 36	8 37	1 13	18 33	1 7	20 4	0 38	18 34	1 59	22 53	0 32	6 50	1 43	31 7	8 56	23 19	23 14	18 16		n.a.
W24	11 45	25 2	1 25	9 5	0 26	8 7	1 12	18 20	1 7	20 5	0 38	18 35	1 59	22 53	0 32	6 49	1 43	31 7	8 56	23 19	23 13	18 14		n.a.
T 25	11 24	24 57	2 23	8 9	0 15	7 37	1 11	18 6	1 7	20 6	0 38	18 37	1 59	22 52	0 32	6 48	1 43	31 7	8 57	23 19	23 13	18 12		n.a.
F 26	11 2	23 42	3 15	7 13	0 4	7 7	1 9	17 53	1 7	20 7	0 38	18 38	1 59	22 52	0 32	6 47	1 43	31 7	8 57	23 18	23 13	18 10		n.a.
S 27	10 41	21 25	3 58	6 17	0n 7	6 36	1 8	17 39	1 8	20 9	0 38	18 39	1 59	22 52	0 32	6 46	1 43	31 7	8 57	23 18	23 13	18 8		n.a.
S 28	10 19	18 13	4 31	5 21	0 19	6 6	1 6	17 25	1 8	20 10	0 38	18 41	1 59	22 51	0 32	6 46	1 43	31 7	8 57	23 17	23 12	18 6		n.a.
M29	9s58	14n18	4n52	4s25	0n31	5s35	1s 5	17s11	1s 8	20s10	0n38	18n42	1n59	22s51	0s32	6s45	1s43	31s 7	8s58	23n16	23n12	18n 4		n.a.

Julian Day Number = 1561839.5, Delta T = 04h23m39s
Ecliptic obliquity = 23°44'55, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'23, Lahiri = - 9°59'22 Julian Calendar 1 Feb. 437 BCE == Greg. Calendar 27 Jan. 437 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

MARCH 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 14 5	5♓32'31	16♍58	19♓40	19♓46	17♒14	1♐52	14°R 3	19♑30	17♓ 6	19♑50	18°R27	17♊57	24♌16	n.a.	T 1
W 2	10 18 2	6°31'29	28°58	21°29	21° 0	18° 1	1°57	13♌59	19°33	17° 8	19°51	18♊14	17°54	24°23	n.a.	W 2
T 3	10 21 58	7°30'25	11♎ 4	23°14	22°14	18°47	2° 1	13°55	19°36	17°10	19°52	18° 2	17°50	24°29	n.a.	T 3
F 4	10 25 55	8°29'19	23°16	24°56	23°28	19°34	2° 5	13°51	19°38	17°13	19°53	17°53	17°47	24°36	n.a.	F 4
S 5	10 29 51	9°28'11	5♏39	26°35	24°42	20°20	2° 9	13°47	19°41	17°15	19°55	17°46	17°44	24°43	n.a.	S 5
S 6	10 33 48	10°27'01	18°14	28° 8	25°56	21° 7	2°12	13°43	19°43	17°17	19°56	17°42	17°41	24°49	n.a.	S 6
M 7	10 37 44	11°25'50	1♐ 5	29°38	27°10	21°53	2°16	13°39	19°46	17°19	19°57	17°41	17°38	24°56	n.a.	M 7
T 8	10 41 41	12°24'37	14°16	1♈ 2	28°24	22°39	2°19	13°35	19°48	17°22	19°58	17°41	17°34	25° 3	n.a.	T 8
W 9	10 45 38	13°23'22	27°50	2°21	29°38	23°26	2°22	13°32	19°51	17°24	19°59	17°40	17°31	25°10	n.a.	W 9
T 10	10 49 34	14°22'05	11♑49	3°36	0♈52	24°12	2°25	13°28	19°53	17°26	20° 1	17°39	17°28	25°16	n.a.	T 10
F 11	10 53 31	15°20'46	26°14	4°44	2° 6	24°58	2°28	13°24	19°55	17°28	20° 2	17°36	17°25	25°23	n.a.	F 11
S 12	10 57 27	16°19'26	11♒ 2	5°47	3°20	25°45	2°31	13°21	19°58	17°31	20° 3	17°29	17°22	25°30	n.a.	S 12
S 13	11 1 24	17°18'04	26° 7	6°44	4°33	26°31	2°33	13°17	20° 0	17°33	20° 4	17°21	17°19	25°36	n.a.	S 13
M14	11 5 20	18°16'39	11♓21	7°36	5°47	27°17	2°36	13°14	20° 2	17°35	20° 5	17°10	17°15	25°43	n.a.	M14
T 15	11 9 17	19°15'13	26°33	8°21	7° 1	28° 3	2°38	13°10	20° 4	17°37	20° 6	16°59	17°12	25°50	n.a.	T 15
W16	11 13 13	20°13'45	11♈31	9° 1	8°14	28°49	2°40	13° 7	20° 6	17°40	20° 7	16°48	17° 9	25°57	n.a.	W16
T 17	11 17 10	21°12'14	26° 8	9°34	9°28	29°35	2°41	13° 4	20° 8	17°42	20° 8	16°39	17° 6	26° 3	n.a.	T 17
F 18	11 21 6	22°10'42	10♉17	10° 1	10°42	0♓21	2°43	13° 1	20°10	17°44	20° 9	16°33	17° 3	26°10	n.a.	F 18
S 19	11 25 3	23° 9'07	23°56	10°23	11°55	1° 7	2°44	12°57	20°12	17°47	20°10	16°29	16°59	26°17	n.a.	S 19
S 20	11 29 0	24° 7'30	7♊ 6	10°38	13° 9	1°53	2°45	12°55	20°14	17°49	20°11	16°28	16°56	26°23	n.a.	S 20
M21	11 32 56	25° 5'51	19°51	10°47	14°22	2°39	2°46	12°52	20°16	17°51	20°12	16°28	16°53	26°30	n.a.	M21
T 22	11 36 53	26° 4'09	2♋16	10°R50	15°36	3°25	2°47	12°49	20°18	17°53	20°13	16°28	16°50	26°37	n.a.	T 22
W23	11 40 49	27° 2'26	14°24	10°48	16°49	4°10	2°47	12°46	20°20	17°56	20°14	16°27	16°47	26°44	n.a.	W23
T 24	11 44 46	28° 0'40	26°22	10°40	18° 3	4°56	2°48	12°43	20°22	17°58	20°15	16°24	16°44	26°50	n.a.	T 24
F 25	11 48 42	28°58'52	8♌14	10°27	19°16	5°42	2°48	12°41	20°24	18° 0	20°15	16°18	16°40	26°57	n.a.	F 25
S 26	11 52 39	29°57'02	20° 4	10° 9	20°30	6°28	2°R48	12°38	20°25	18° 2	20°16	16°10	16°37	27° 4	n.a.	S 26
S 27	11 56 35	0♈55'10	1♍56	9°47	21°43	7°13	2°48	12°36	20°27	18° 4	20°17	15°59	16°34	27°10	n.a.	S 27
M28	12 0 32	1°53'16	13°52	9°20	22°56	7°59	2°47	12°34	20°29	18° 7	20°18	15°47	16°31	27°17	n.a.	M28
T 29	12 4 29	2°51'20	25°53	8°50	24° 9	8°44	2°47	12°32	20°30	18° 9	20°19	15°33	16°28	27°24	n.a.	T 29
W30	12 8 25	3°49'22	8♎ 2	8°17	25°23	9°30	2°46	12°30	20°32	18°11	20°19	15°21	16°25	27°31	n.a.	W30
T 31	12 12 22	4♈47'23	20♎18	7♈42	26♈36	10♓15	2♐45	12♌28	20♑33	18♓13	20♑20	15♊10	16♊21	27♌37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
T 1	9s36	9n48	5n 0	3s29	0n43	5s 4	1s 3	16s56	1s 8	20s11	0n38	18n43	1n59	22s50	0s32	6s44	1s43	31s 7	8s58	23n14	23n12	18n 2			n.a.	T 1
W 2	9 14	4 55	4 55	2 35	0 55	4 33	1 1	16 42	1 8	20 12	0 38	18 44	1 59	22 50	0 32	6 43	1 43	31 7	8 58	23 13	23 11	18 0			n.a.	W 2
T 3	8 52	0s12	4 37	1 41	1 7	4 2	1 0	16 27	1 8	20 13	0 38	18 46	1 59	22 50	0 32	6 42	1 43	31 7	8 58	23 12	23 11	17 58			n.a.	T 3
F 4	8 30	5 22	4 6	0 49	1 19	3 30	0 58	16 13	1 8	20 14	0 38	18 47	1 59	22 49	0 32	6 41	1 43	31 7	8 58	23 11	23 11	17 56			n.a.	F 4
S 5	8 7	10 24	3 22	0n 1	1 31	2 59	0 56	15 58	1 8	20 15	0 38	18 48	1 59	22 49	0 32	6 40	1 43	31 7	8 59	23 11	23 10	17 54			n.a.	S 5
S 6	7 45	15 6	2 29	0 49	1 43	2 28	0 54	15 43	1 8	20 15	0 38	18 49	1 59	22 49	0 32	6 39	1 43	31 7	8 59	23 10	23 10	17 52			n.a.	S 6
M 7	7 22	19 14	1 26	1 35	1 54	1 56	0 52	15 27	1 8	20 16	0 38	18 50	1 59	22 48	0 32	6 38	1 43	31 7	8 59	23 10	23 10	17 50			n.a.	M 7
T 8	6 59	22 31	0 18	2 19	2 5	1 24	0 50	15 12	1 7	20 17	0 38	18 51	1 59	22 48	0 32	6 38	1 43	31 7	8 59	23 10	23 10	17 48			n.a.	T 8
W 9	6 37	24 37	0s53	3 0	2 15	0 53	0 48	14 57	1 7	20 17	0 38	18 52	1 59	22 48	0 32	6 37	1 43	31 7	9 0	23 10	23 9	17 46			n.a.	W 9
T 10	6 14	25 16	2 4	3 39	2 24	0 21	0 46	14 41	1 7	20 18	0 38	18 53	1 59	22 47	0 32	6 36	1 43	31 8	9 0	23 10	23 9	17 44			n.a.	T 10
F 11	5 51	24 16	3 8	4 15	2 33	0n10	0 44	14 25	1 7	20 19	0 38	18 54	1 59	22 47	0 32	6 35	1 43	31 8	9 0	23 10	23 9	17 42			n.a.	F 11
S 12	5 28	21 34	4 2	4 48	2 42	0 42	0 42	14 9	1 7	20 19	0 38	18 55	1 59	22 47	0 32	6 34	1 43	31 8	9 0	23 9	23 8	17 40			n.a.	S 12
S 13	5 5	17 21	4 40	5 17	2 49	1 14	0 40	13 53	1 7	20 20	0 38	18 56	1 59	22 46	0 32	6 33	1 43	31 8	9 1	23 8	23 8	17 38			n.a.	S 13
M14	4 42	11 59	4 59	5 44	2 55	1 45	0 37	13 37	1 7	20 20	0 38	18 57	1 59	22 46	0 33	6 32	1 43	31 8	9 1	23 7	23 8	17 36			n.a.	M14
T 15	4 18	5 54	4 56	6 7	3 1	2 17	0 35	13 21	1 7	20 20	0 38	18 58	1 59	22 46	0 33	6 31	1 43	31 8	9 1	23 6	23 7	17 34			n.a.	T 15
W16	3 55	0n26	4 33	6 27	3 5	2 49	0 33	13 5	1 7	20 21	0 38	18 59	1 58	22 46	0 33	6 30	1 43	31 8	9 1	23 5	23 7	17 32			n.a.	W16
T 17	3 32	6 37	3 52	6 43	3 9	3 20	0 30	12 48	1 7	20 21	0 38	19 0	1 58	22 45	0 33	6 30	1 43	31 8	9 2	23 4	23 7	17 30			n.a.	T 17
F 18	3 9	12 16	2 59	6 56	3 11	3 51	0 28	12 32	1 7	20 21	0 38	19 1	1 58	22 45	0 33	6 29	1 43	31 8	9 2	23 4	23 7	17 28			n.a.	F 18
S 19	2 45	17 7	1 56	7 6	3 12	4 23	0 26	12 15	1 7	20 22	0 38	19 2	1 58	22 45	0 33	6 28	1 43	31 8	9 2	23 3	23 6	17 26			n.a.	S 19
S 20	2 22	20 58	0 49	7 12	3 12	4 54	0 23	11 58	1 6	20 22	0 38	19 3	1 58	22 44	0 33	6 27	1 43	31 8	9 2	23 3	23 6	17 24			n.a.	S 20
M21	1 58	23 39	0n18	7 14	3 10	5 25	0 21	11 42	1 6	20 22	0 38	19 3	1 58	22 44	0 33	6 26	1 43	31 9	9 3	23 3	23 6	17 22			n.a.	M21
T 22	1 35	25 6	1 23	7 13	3 7	5 56	0 18	11 25	1 6	20 22	0 38	19 4	1 58	22 44	0 33	6 25	1 43	31 9	9 3	23 3	23 5	17 20			n.a.	T 22
W23	1 11	25 19	2 22	7 8	3 3	6 27	0 16	11 8	1 6	20 22	0 38	19 5	1 58	22 44	0 33	6 24	1 43	31 9	9 3	23 3	23 5	17 18			n.a.	W23
T 24	0 48	24 20	3 14	7 0	2 58	6 58	0 13	10 51	1 6	20 23	0 38	19 5	1 58	22 43	0 33	6 23	1 43	31 9	9 4	23 3	23 5	17 16			n.a.	T 24
F 25	0 25	22 16	3 58	6 48	2 51	7 28	0 11	10 33	1 6	20 23	0 38	19 6	1 58	22 43	0 33	6 22	1 43	31 9	9 4	23 2	23 4	17 14			n.a.	F 25
S 26	0 1	19 15	4 31	6 33	2 43	7 59	0 8	10 16	1 6	20 23	0 37	19 7	1 58	22 43	0 33	6 22	1 43	31 9	9 4	23 1	23 4	17 12			n.a.	S 26
S 27	0n22	15 27	4 52	6 16	2 33	8 29	0 5	9 59	1 5	20 23	0 37	19 7	1 58	22 43	0 33	6 21	1 43	31 9	9 4	23 0	23 4	17 9			n.a.	S 27
M28	0 46	11 2	5 0	5 55	2 22	8 59	0 3	9 41	1 5	20 23	0 37	19 8	1 58	22 42	0 33	6 20	1 43	31 10	9 5	22 59	23 3	17 7			n.a.	M28
T 29	1 9	6 10	4 56	5 32	2 10	9 29	0 0	9 24	1 5	20 22	0 37	19 8	1 57	22 42	0 33	6 19	1 43	31 10	9 5	22 57	23 3	17 5			n.a.	T 29
W30	1 32	1 1	4 38	5 7	1 57	9 59	0n 2	9 7	1 5	20 22	0 37	19 9	1 57	22 42	0 33	6 18	1 43	31 10	9 5	22 56	23 3	17 3			n.a.	W30
T 31	1n56	4s14	4n 7	4n40	1n43	10n28	0n 5	8s49	1s 5	20s22	0n37	19n 9	1n57	22s42	0s33	6s17	1s43	31s10	9s 6	22n55	23n 2	17n 1			n.a.	T 31

Julian Day Number = 1561868.5, Delta T = 04h23m38s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'19, Lahiri = - 9°59'18 Julian Calendar 1 March 437 BCE == Greg. Calendar 25 Feb. 437 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

APRIL 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 16 18	5♈45'22	2♏43	7°R 5	27♈49	11♓ 0	2°R44	12°R26	20♑35	18♓15	20♑21	15°R 1	16♊18	27♌44	n.a.	F 1
S 2	12 20 15	6°43'19	15°19	6♈28	29° 2	11°46	2♐43	12♌24	20°36	18°18	20°21	14♊54	16°15	27°51	n.a.	S 2
S 3	12 24 11	7°41'15	28° 5	5°50	0♉15	12°31	2°41	12°22	20°38	18°20	20°22	14°51	16°12	27°57	n.a.	S 3
M 4	12 28 8	8°39'09	11♐ 5	5°12	1°28	13°16	2°40	12°20	20°39	18°22	20°22	14°D50	16° 9	28° 4	n.a.	M 4
T 5	12 32 4	9°37'02	24°20	4°35	2°41	14° 1	2°38	12°19	20°40	18°24	20°23	14°50	16° 5	28°11	n.a.	T 5
W 6	12 36 1	10°34'54	7♑53	4° 0	3°54	14°47	2°36	12°18	20°41	18°26	20°24	14°R50	16° 2	28°18	n.a.	W 6
T 7	12 39 58	11°32'45	21°46	3°27	5° 7	15°32	2°34	12°16	20°43	18°28	20°24	14°50	15°59	28°24	n.a.	T 7
F 8	12 43 54	12°30'34	5♒58	2°57	6°20	16°17	2°31	12°15	20°44	18°30	20°25	14°48	15°56	28°31	n.a.	F 8
S 9	12 47 51	13°28'22	20°29	2°31	7°33	17° 2	2°29	12°14	20°45	18°33	20°25	14°43	15°53	28°38	n.a.	S 9
S 10	12 51 47	14°26'08	5♓15	2° 7	8°46	17°47	2°26	12°13	20°46	18°35	20°25	14°37	15°50	28°44	n.a.	S 10
M11	12 55 44	15°23'53	20° 9	1°48	9°59	18°32	2°23	12°12	20°47	18°37	20°26	14°29	15°46	28°51	n.a.	M11
T 12	12 59 40	16°21'37	5♈ 3	1°33	11°11	19°16	2°20	12°11	20°48	18°39	20°26	14°20	15°43	28°58	n.a.	T 12
W13	13 3 37	17°19'19	19°49	1°22	12°24	20° 1	2°16	12°10	20°49	18°41	20°27	14°11	15°40	29° 5	n.a.	W13
T 14	13 7 33	18°17'00	4♉17	1°15	13°37	20°46	2°13	12°10	20°50	18°43	20°27	14° 4	15°37	29°11	n.a.	T 14
F 15	13 11 30	19°14'40	18°23	1°D13	14°49	21°31	2° 9	12° 9	20°50	18°45	20°27	13°59	15°34	29°18	n.a.	F 15
S 16	13 15 26	20°12'18	2♊ 3	1°16	16° 2	22°15	2° 5	12° 9	20°51	18°47	20°27	13°57	15°31	29°25	n.a.	S 16
S 17	13 19 23	21° 9'54	15°16	1°23	17°15	23° 0	2° 1	12° 9	20°52	18°49	20°28	13°D56	15°27	29°32	n.a.	S 17
M18	13 23 20	22° 7'29	28° 4	1°35	18°27	23°44	1°57	12° 8	20°52	18°51	20°28	13°57	15°24	29°38	n.a.	M18
T 19	13 27 16	23° 5'02	10♋32	1°51	19°40	24°29	1°53	12° 8	20°53	18°53	20°28	13°58	15°21	29°45	n.a.	T 19
W20	13 31 13	24° 2'34	22°44	2°11	20°52	25°13	1°49	12°D 8	20°54	18°55	20°28	13°R59	15°18	29°52	n.a.	W20
T 21	13 35 9	25° 0'04	4♌44	2°36	22° 5	25°58	1°44	12° 8	20°54	18°57	20°29	13°58	15°15	29°58	n.a.	T 21
F 22	13 39 6	25°57'33	16°37	3° 6	23°17	26°42	1°39	12° 8	20°55	18°59	20°29	13°56	15°11	0♍ 5	n.a.	F 22
S 23	13 43 2	26°55'01	28°29	3°39	24°29	27°26	1°34	12° 9	20°55	19° 0	20°29	13°51	15° 8	0°12	n.a.	S 23
S 24	13 46 59	27°52'26	10♍23	4°16	25°42	28°10	1°29	12° 9	20°55	19° 2	20°29	13°45	15° 5	0°19	n.a.	S 24
M25	13 50 55	28°49'51	22°22	4°57	26°54	28°54	1°24	12°10	20°56	19° 4	20°29	13°38	15° 2	0°25	n.a.	M25
T 26	13 54 52	29°47'14	4♎30	5°42	28° 6	29°38	1°18	12°10	20°56	19° 6	20°R29	13°30	14°59	0°32	n.a.	T 26
W27	13 58 49	0♉44'36	16°49	6°31	29°18	0♈23	1°13	12°11	20°56	19° 8	20°29	13°22	14°56	0°39	n.a.	W27
T 28	14 2 45	1°41'57	29°18	7°23	0♊31	1° 6	1° 7	12°12	20°56	19°10	20°29	13°16	14°52	0°45	n.a.	T 28
F 29	14 6 42	2°39'17	12♏ 0	8°19	1°43	1°50	1° 2	12°13	20°56	19°11	20°29	13°10	14°49	0°52	n.a.	F 29
S 30	14 10 38	3♉36'36	24♏54	9♈18	2♊55	2♈34	0♐56	12♌14	20♑56	19♓13	20♑29	13♊ 7	14♊46	0♍59	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n19	9s23	3n24	4n11	1n28	10n57	0n 8	8s31	1s 4	20s22	0n37	19n10	1n57	22s42	0s33	6s16	1s43	31s10	9s 6	22n54	23n 2	16n59		n.a.
S 2	2 42	14 15	2 30	3 42	1 12	11 26	0 10	8 14	1 4	20 22	0 37	19 10	1 57	22 41	0 33	6 16	1 43	31 10	9 6	22 53	23 2	16 57		n.a.
S 3	3 5	18 34	1 28	3 12	0 56	11 55	0 13	7 56	1 4	20 21	0 37	19 11	1 57	22 41	0 33	6 15	1 43	31 11	9 6	22 53	23 1	16 55		n.a.
M 4	3 28	22 4	0 20	2 41	0 39	12 23	0 16	7 38	1 4	20 21	0 37	19 11	1 57	22 41	0 33	6 14	1 43	31 11	9 7	22 52	23 1	16 53		n.a.
T 5	3 51	24 28	0s50	2 11	0 22	12 51	0 18	7 20	1 4	20 21	0 37	19 11	1 57	22 41	0 33	6 13	1 43	31 11	9 7	22 52	23 1	16 50		n.a.
W 6	4 14	25 30	2 0	1 42	0 5	13 19	0 21	7 2	1 3	20 20	0 37	19 12	1 57	22 41	0 33	6 12	1 43	31 11	9 7	22 52	23 0	16 48		n.a.
T 7	4 37	24 59	3 3	1 13	0s12	13 46	0 24	6 45	1 3	20 20	0 37	19 12	1 56	22 41	0 33	6 12	1 43	31 11	9 8	22 52	23 0	16 46		n.a.
F 8	5 0	22 51	3 57	0 46	0 28	14 13	0 27	6 27	1 3	20 20	0 37	19 12	1 56	22 41	0 33	6 11	1 43	31 12	9 8	22 52	23 0	16 44		n.a.
S 9	5 23	19 13	4 38	0 20	0 44	14 40	0 29	6 9	1 3	20 19	0 37	19 12	1 56	22 40	0 33	6 10	1 43	31 12	9 8	22 52	22 59	16 42		n.a.
S 10	5 46	14 21	5 0	0s 4	1 0	15 6	0 32	5 51	1 2	20 19	0 37	19 13	1 56	22 40	0 33	6 9	1 43	31 12	9 8	22 51	22 59	16 40		n.a.
M11	6 8	8 35	5 3	0 25	1 15	15 32	0 35	5 33	1 2	20 18	0 37	19 13	1 56	22 40	0 33	6 8	1 43	31 12	9 9	22 50	22 59	16 37		n.a.
T 12	6 31	2 19	4 45	0 45	1 30	15 58	0 37	5 15	1 2	20 17	0 37	19 13	1 56	22 40	0 33	6 7	1 43	31 13	9 9	22 49	22 58	16 35		n.a.
W13	6 53	4n 1	4 8	1 2	1 43	16 23	0 40	4 56	1 1	20 17	0 37	19 13	1 56	22 40	0 33	6 7	1 43	31 13	9 9	22 48	22 58	16 33		n.a.
T 14	7 15	10 3	3 16	1 16	1 56	16 48	0 42	4 38	1 1	20 16	0 37	19 13	1 56	22 40	0 34	6 6	1 43	31 13	9 10	22 47	22 58	16 31		n.a.
F 15	7 38	15 24	2 13	1 28	2 8	17 13	0 45	4 20	1 1	20 15	0 37	19 13	1 55	22 40	0 34	6 5	1 43	31 13	9 10	22 46	22 57	16 29		n.a.
S 16	8 0	19 48	1 3	1 37	2 19	17 37	0 48	4 2	1 1	20 15	0 37	19 13	1 55	22 40	0 34	6 4	1 43	31 13	9 10	22 46	22 57	16 27		n.a.
S 17	8 22	23 2	0n 7	1 43	2 29	18 0	0 50	3 44	1 0	20 14	0 37	19 13	1 55	22 40	0 34	6 4	1 43	31 14	9 11	22 46	22 57	16 24		n.a.
M18	8 43	24 59	1 15	1 47	2 38	18 23	0 53	3 26	1 0	20 13	0 37	19 13	1 55	22 40	0 34	6 3	1 43	31 14	9 11	22 46	22 56	16 22		n.a.
T 19	9 5	25 37	2 18	1 48	2 47	18 46	0 55	3 8	1 0	20 12	0 37	19 13	1 55	22 39	0 34	6 2	1 43	31 14	9 11	22 46	22 56	16 20		n.a.
W20	9 27	24 59	3 13	1 46	2 54	19 8	0 58	2 50	0 59	20 12	0 37	19 13	1 55	22 39	0 34	6 1	1 43	31 15	9 11	22 46	22 56	16 18		n.a.
T 21	9 48	23 11	3 59	1 42	3 0	19 30	1 0	2 32	0 59	20 11	0 37	19 13	1 55	22 39	0 34	6 1	1 43	31 15	9 12	22 46	22 55	16 16		n.a.
F 22	10 9	20 24	4 34	1 35	3 6	19 51	1 3	2 13	0 59	20 10	0 37	19 12	1 55	22 39	0 34	6 0	1 43	31 15	9 12	22 46	22 55	16 13		n.a.
S 23	10 30	16 47	4 57	1 26	3 10	20 12	1 5	1 55	0 58	20 9	0 36	19 12	1 54	22 39	0 34	5 59	1 43	31 15	9 12	22 46	22 54	16 11		n.a.
S 24	10 51	12 30	5 7	1 14	3 14	20 32	1 8	1 37	0 58	20 8	0 36	19 12	1 54	22 39	0 34	5 59	1 44	31 16	9 13	22 45	22 54	16 9		n.a.
M25	11 12	7 42	5 4	1 0	3 16	20 51	1 10	1 19	0 58	20 7	0 36	19 12	1 54	22 39	0 34	5 58	1 44	31 16	9 13	22 44	22 54	16 7		n.a.
T 26	11 32	2 35	4 48	0 44	3 18	21 10	1 12	1 1	0 57	20 6	0 36	19 11	1 54	22 39	0 34	5 57	1 44	31 16	9 13	22 43	22 53	16 4		n.a.
W27	11 53	2s44	4 17	0 26	3 19	21 29	1 15	0 43	0 57	20 5	0 36	19 11	1 54	22 39	0 34	5 56	1 44	31 17	9 14	22 42	22 53	16 2		n.a.
T 28	12 13	8 2	3 35	0 5	3 20	21 46	1 17	0 25	0 56	20 4	0 36	19 11	1 54	22 39	0 34	5 56	1 44	31 17	9 14	22 41	22 53	16 0		n.a.
F 29	12 33	13 5	2 40	0n18	3 19	22 4	1 19	0 7	0 56	20 3	0 36	19 10	1 54	22 39	0 34	5 55	1 44	31 17	9 14	22 40	22 52	15 58		n.a.
S 30	12n53	17s40	1n37	0n42	3s18	22n20	1n21	0n11	0s56	20s 1	0n36	19n10	1n54	22s39	0s34	5s55	1s44	31s17	9s15	22n40	22n52	15n55		n.a.

Julian Day Number = 1561899.5, Delta T = 04h23m36s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'15, Lahiri = - 9°59'14 Julian Calendar 1 Apr. 437 BCE == Greg. Calendar 27 March 437 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

MAY 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 14 35	4♉33'55	8♐ 0	10♈20	4♊ 7	3♈18	0°R50	12♌15	20°R56	19♓15	20°R29	13°D 6	14♊43	1♍ 6	n.a.	S 1
M 2	14 18 31	5°31'12	21°18	11°26	5°19	4° 2	0♐43	12°16	20♑56	19°16	20♑28	13♊ 6	14°40	1°12	n.a.	M 2
T 3	14 22 28	6°28'29	4♑48	12°35	6°30	4°45	0°37	12°17	20°56	19°18	20°28	13° 7	14°36	1°19	n.a.	T 3
W 4	14 26 25	7°25'45	18°32	13°47	7°42	5°29	0°31	12°19	20°56	19°20	20°28	13° 8	14°33	1°26	n.a.	W 4
T 5	14 30 21	8°23'01	2♒27	15° 2	8°54	6°13	0°24	12°20	20°56	19°21	20°28	13°R 9	14°30	1°32	n.a.	T 5
F 6	14 34 18	9°20'16	16°35	16°20	10° 6	6°56	0°18	12°22	20°56	19°23	20°28	13° 9	14°27	1°39	n.a.	F 6
S 7	14 38 14	10°17'31	0♓53	17°40	11°18	7°40	0°11	12°24	20°56	19°25	20°27	13° 8	14°24	1°46	n.a.	S 7
S 8	14 42 11	11°14'45	15°19	19° 4	12°29	8°23	0° 4	12°25	20°55	19°26	20°27	13° 5	14°21	1°53	n.a.	S 8
M 9	14 46 7	12°11'59	29°49	20°31	13°41	9° 6	29♏57	12°27	20°55	19°28	20°27	13° 1	14°17	1°59	n.a.	M 9
T 10	14 50 4	13° 9'12	14♈17	22° 1	14°53	9°49	29°50	12°29	20°54	19°29	20°27	12°57	14°14	2° 6	n.a.	T 10
W11	14 54 0	14° 6'25	28°38	23°33	16° 4	10°33	29°43	12°31	20°54	19°31	20°26	12°53	14°11	2°13	n.a.	W11
T 12	14 57 57	15° 3'38	12♉46	25° 9	17°16	11°16	29°36	12°34	20°53	19°32	20°26	12°49	14° 8	2°19	n.a.	T 12
F 13	15 1 54	16° 0'49	26°36	26°47	18°27	11°59	29°29	12°36	20°53	19°34	20°25	12°47	14° 5	2°26	n.a.	F 13
S 14	15 5 50	16°58'01	10♊ 5	28°28	19°38	12°42	29°22	12°38	20°52	19°35	20°25	12°D46	14° 2	2°33	n.a.	S 14
S 15	15 9 47	17°55'11	23°13	0♉12	20°50	13°25	29°14	12°41	20°52	19°37	20°25	12°47	13°58	2°40	n.a.	S 15
M16	15 13 43	18°52'22	6♋ 1	1°58	22° 1	14° 8	29° 7	12°43	20°51	19°38	20°24	12°48	13°55	2°46	n.a.	M16
T 17	15 17 40	19°49'31	18°29	3°47	23°12	14°51	28°59	12°46	20°50	19°39	20°24	12°49	13°52	2°53	n.a.	T 17
W18	15 21 36	20°46'40	0♌42	5°39	24°24	15°33	28°52	12°49	20°49	19°41	20°23	12°51	13°49	3° 0	n.a.	W18
T 19	15 25 33	21°43'48	12°44	7°33	25°35	16°16	28°44	12°52	20°49	19°42	20°22	12°52	13°46	3° 7	n.a.	T 19
F 20	15 29 29	22°40'55	24°40	9°30	26°46	16°59	28°37	12°55	20°48	19°43	20°22	12°R52	13°42	3°13	n.a.	F 20
S 21	15 33 26	23°38'02	6♍33	11°29	27°57	17°41	28°29	12°58	20°47	19°44	20°21	12°52	13°39	3°20	n.a.	S 21
S 22	15 37 23	24°35'09	18°29	13°30	29° 8	18°24	28°22	13° 1	20°46	19°46	20°21	12°50	13°36	3°27	n.a.	S 22
M23	15 41 19	25°32'14	0♎31	15°33	0♋19	19° 6	28°14	13° 4	20°45	19°47	20°20	12°48	13°33	3°33	n.a.	M23
T 24	15 45 16	26°29'20	12°44	17°38	1°29	19°49	28° 6	13° 7	20°44	19°48	20°19	12°46	13°30	3°40	n.a.	T 24
W25	15 49 12	27°26'25	25°10	19°44	2°40	20°31	27°59	13°11	20°43	19°49	20°19	12°44	13°27	3°47	n.a.	W25
T 26	15 53 9	28°23'30	7♏51	21°52	3°51	21°13	27°51	13°14	20°41	19°50	20°18	12°42	13°23	3°54	n.a.	T 26
F 27	15 57 5	29°20'34	20°49	24° 1	5° 1	21°55	27°43	13°18	20°40	19°51	20°17	12°40	13°20	4° 0	n.a.	F 27
S 28	16 1 2	0♊17'39	4♐ 3	26°11	6°12	22°38	27°36	13°21	20°39	19°52	20°17	12°40	13°17	4° 7	n.a.	S 28
S 29	16 4 58	1°14'44	17°33	28°21	7°22	23°20	27°28	13°25	20°38	19°53	20°16	12°D40	13°14	4°14	n.a.	S 29
M30	16 8 55	2°11'48	1♑16	0♊31	8°33	24° 2	27°20	13°29	20°37	19°54	20°15	12°40	13°11	4°21	n.a.	M30
T 31	16 12 52	3♊ 8'53	15♑10	2♊42	9♋43	24♈44	27♏13	13♌33	20♑35	19♓55	20♑14	12♊41	13♊ 8	4♍27	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	13n12	21s28	0n28	1n 9	3s16	22n36	1n23	0n29	0s55	20s 0	0n36	19n 9	1n53	22s39	0s34	5s54	1s44	31s18	9s15	22n40	22n52	15n53			n.a.
M 2	13 32	24 12	0s45	1 37	3 13	22 52	1 26	0 47	0 55	19 59	0 36	19 9	1 53	22 39	0 34	5 53	1 44	31 18	9 15	22 40	22 51	15 51			n.a.
T 3	13 51	25 35	1 55	2 8	3 9	23 7	1 28	1 5	0 54	19 58	0 36	19 8	1 53	22 39	0 34	5 53	1 44	31 18	9 15	22 40	22 51	15 49			n.a.
W 4	14 10	25 26	3 1	2 40	3 5	23 21	1 30	1 23	0 54	19 56	0 36	19 8	1 53	22 39	0 34	5 52	1 44	31 19	9 16	22 40	22 50	15 46			n.a.
T 5	14 29	23 42	3 57	3 13	3 1	23 35	1 31	1 41	0 54	19 55	0 36	19 7	1 53	22 40	0 34	5 51	1 44	31 19	9 16	22 40	22 50	15 44			n.a.
F 6	14 47	20 30	4 39	3 49	2 55	23 47	1 33	1 59	0 53	19 54	0 35	19 7	1 53	22 40	0 34	5 51	1 44	31 19	9 16	22 40	22 50	15 42			n.a.
S 7	15 6	16 2	5 5	4 25	2 49	24 0	1 35	2 16	0 53	19 53	0 35	19 6	1 53	22 40	0 34	5 50	1 44	31 20	9 17	22 40	22 49	15 40			n.a.
S 8	15 24	10 38	5 12	5 4	2 42	24 11	1 37	2 34	0 52	19 51	0 35	19 5	1 52	22 40	0 34	5 50	1 44	31 20	9 17	22 40	22 49	15 37			n.a.
M 9	15 42	4 38	4 59	5 43	2 35	24 22	1 39	2 52	0 52	19 50	0 35	19 5	1 52	22 40	0 34	5 49	1 44	31 20	9 17	22 39	22 49	15 35			n.a.
T 10	15 59	1n37	4 27	6 24	2 28	24 32	1 40	3 9	0 51	19 48	0 35	19 4	1 52	22 40	0 34	5 48	1 44	31 21	9 17	22 39	22 48	15 33			n.a.
W11	16 17	7 44	3 38	7 6	2 19	24 42	1 42	3 27	0 51	19 47	0 35	19 3	1 52	22 40	0 34	5 48	1 44	31 21	9 18	22 38	22 48	15 30			n.a.
T 12	16 34	13 23	2 37	7 50	2 11	24 51	1 43	3 44	0 50	19 46	0 35	19 3	1 52	22 40	0 34	5 47	1 44	31 21	9 18	22 38	22 47	15 28			n.a.
F 13	16 51	18 14	1 28	8 34	2 2	24 59	1 45	4 2	0 50	19 44	0 35	19 2	1 52	22 40	0 35	5 47	1 44	31 22	9 18	22 37	22 47	15 26			n.a.
S 14	17 7	22 0	0 15	9 19	1 52	25 6	1 46	4 19	0 50	19 43	0 35	19 1	1 52	22 40	0 35	5 46	1 44	31 22	9 19	22 37	22 47	15 23			n.a.
S 15	17 24	24 31	0n57	10 6	1 42	25 13	1 48	4 37	0 49	19 41	0 34	19 0	1 52	22 41	0 35	5 46	1 45	31 22	9 19	22 37	22 46	15 21			n.a.
M16	17 40	25 41	2 4	10 52	1 32	25 19	1 49	4 54	0 49	19 40	0 34	18 59	1 51	22 41	0 35	5 45	1 45	31 23	9 19	22 38	22 46	15 19			n.a.
T 17	17 55	25 29	3 4	11 40	1 21	25 24	1 50	5 11	0 48	19 38	0 34	18 58	1 51	22 41	0 35	5 45	1 45	31 23	9 19	22 38	22 46	15 16			n.a.
W18	18 11	24 3	3 54	12 28	1 11	25 29	1 51	5 28	0 48	19 37	0 34	18 57	1 51	22 41	0 35	5 44	1 45	31 23	9 20	22 38	22 45	15 14			n.a.
T 19	18 26	21 33	4 33	13 16	1 0	25 32	1 52	5 45	0 47	19 35	0 34	18 57	1 51	22 41	0 35	5 44	1 45	31 24	9 20	22 38	22 45	15 12			n.a.
F 20	18 41	18 9	4 59	14 4	0 49	25 36	1 53	6 2	0 47	19 34	0 34	18 56	1 51	22 41	0 35	5 44	1 45	31 24	9 20	22 38	22 44	15 9			n.a.
S 21	18 55	14 3	5 13	14 53	0 37	25 38	1 54	6 19	0 46	19 32	0 34	18 55	1 51	22 41	0 35	5 43	1 45	31 25	9 21	22 38	22 44	15 7			n.a.
S 22	19 10	9 24	5 13	15 41	0 26	25 39	1 55	6 36	0 46	19 30	0 34	18 54	1 51	22 42	0 35	5 43	1 45	31 25	9 21	22 38	22 44	15 5			n.a.
M23	19 24	4 22	5 0	16 28	0 15	25 40	1 55	6 53	0 45	19 29	0 33	18 53	1 51	22 42	0 35	5 42	1 45	31 25	9 21	22 38	22 43	15 2			n.a.
T 24	19 37	0s54	4 33	17 15	0 4	25 40	1 56	7 10	0 45	19 27	0 33	18 51	1 50	22 42	0 35	5 42	1 45	31 26	9 21	22 37	22 43	15 0			n.a.
W25	19 51	6 15	3 53	18 1	0n 7	25 40	1 57	7 26	0 44	19 26	0 33	18 50	1 50	22 42	0 35	5 41	1 45	31 26	9 22	22 37	22 42	14 58			n.a.
T 26	20 4	11 28	3 1	18 45	0 18	25 39	1 57	7 43	0 43	19 24	0 33	18 49	1 50	22 42	0 35	5 41	1 45	31 26	9 22	22 37	22 42	14 55			n.a.
F 27	20 16	16 18	1 58	19 28	0 28	25 36	1 57	7 59	0 43	19 22	0 33	18 48	1 50	22 43	0 35	5 41	1 45	31 27	9 22	22 37	22 42	14 53			n.a.
S 28	20 29	20 27	0 47	20 10	0 38	25 34	1 58	8 15	0 42	19 21	0 33	18 47	1 50	22 43	0 35	5 40	1 45	31 27	9 22	22 36	22 41	14 51			n.a.
S 29	20 40	23 36	0s27	20 49	0 48	25 30	1 58	8 32	0 42	19 19	0 33	18 46	1 50	22 43	0 35	5 40	1 45	31 28	9 23	22 36	22 41	14 48			n.a.
M30	20 52	25 26	1 41	21 27	0 57	25 26	1 58	8 48	0 41	19 18	0 32	18 44	1 50	22 43	0 35	5 40	1 45	31 28	9 23	22 37	22 40	14 46			n.a.
T 31	21n 3	25s42	2s50	22n 2	1n 5	25n21	1n58	9n 4	0s41	19s16	0n32	18n43	1n50	22s44	0s35	5s39	1s45	31s28	9s23	22n37	22n40	14n43			n.a.

Julian Day Number = 1561929.5, Delta T = 04h23m35s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'11, Lahiri = - 9°59'10 Julian Calendar 1 May 437 BCE == Greg. Calendar 26 Apr. 437 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

JUNE 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 16 48	4♊ 5'58	29♉14	4♊52	10♋53	25♈25	27°R 5	13♌37	20°R34	19♓56	20°R13	12♊41	13♊ 4	4♍34	n.a.	W 1
T 2	16 20 45	5° 3'04	13♒24	7° 1	12° 4	26° 7	26♏58	13°41	20♉32	19°57	20♉13	12°42	13° 1	4°41	n.a.	T 2
F 3	16 24 41	6° 0'10	27°38	9°10	13°14	26°49	26°50	13°45	20°31	19°58	20°12	12°42	12°58	4°47	n.a.	F 3
S 4	16 28 38	6°57'16	11♓52	11°18	14°24	27°31	26°43	13°49	20°29	19°58	20°11	12°R42	12°55	4°54	n.a.	S 4
S 5	16 32 34	7°54'23	26° 6	13°25	15°34	28°12	26°35	13°53	20°28	19°59	20°10	12°42	12°52	5° 1	n.a.	S 5
M 6	16 36 31	8°51'30	10♈15	15°30	16°44	28°54	26°28	13°58	20°26	20° 0	20° 9	12°42	12°48	5° 8	n.a.	M 6
T 7	16 40 28	9°48'38	24°17	17°34	17°54	29°35	26°20	14° 2	20°25	20° 1	20° 8	12°42	12°45	5°14	n.a.	T 7
W 8	16 44 24	10°45'46	8♉10	19°36	19° 3	0♉17	26°13	14° 7	20°23	20° 1	20° 7	12°41	12°42	5°21	n.a.	W 8
T 9	16 48 21	11°42'55	21°51	21°37	20°13	0°58	26° 6	14°11	20°21	20° 2	20° 6	12°41	12°39	5°28	n.a.	T 9
F 10	16 52 17	12°40'05	5♊18	23°36	21°23	1°39	25°59	14°16	20°20	20° 3	20° 5	12°D41	12°36	5°34	n.a.	F 10
S 11	16 56 14	13°37'15	18°29	25°33	22°32	2°21	25°52	14°21	20°18	20° 3	20° 4	12°R41	12°33	5°41	n.a.	S 11
S 12	17 0 10	14°34'25	1♋24	27°28	23°42	3° 2	25°45	14°25	20°16	20° 4	20° 3	12°41	12°29	5°48	n.a.	S 12
M13	17 4 7	15°31'36	14° 3	29°22	24°51	3°43	25°38	14°30	20°14	20° 4	20° 2	12°41	12°26	5°55	n.a.	M13
T 14	17 8 3	16°28'47	26°28	1♋14	26° 0	4°24	25°31	14°35	20°13	20° 5	20° 1	12°40	12°23	6° 1	n.a.	T 14
W15	17 12 0	17°25'58	8♌39	3° 4	27°10	5° 5	25°25	14°40	20°11	20° 5	20° 0	12°40	12°20	6° 8	n.a.	W15
T 16	17 15 57	18°23'10	20°41	4°52	28°19	5°46	25°18	14°45	20° 9	20° 6	19°59	12°39	12°17	6°15	n.a.	T 16
F 17	17 19 53	19°20'22	2♍36	6°39	29°28	6°26	25°12	14°51	20° 7	20° 6	19°58	12°39	12°14	6°22	n.a.	F 17
S 18	17 23 50	20°17'35	14°29	8°23	0♌37	7° 7	25° 5	14°56	20° 5	20° 7	19°57	12°38	12°10	6°28	n.a.	S 18
S 19	17 27 46	21°14'47	26°24	10° 6	1°45	7°48	24°59	15° 1	20° 3	20° 7	19°56	12°D38	12° 7	6°35	n.a.	S 19
M20	17 31 43	22°12'01	8♎27	11°47	2°54	8°28	24°53	15° 6	20° 1	20° 7	19°54	12°39	12° 4	6°42	n.a.	M20
T 21	17 35 39	23° 9'14	20°41	13°26	4° 3	9° 9	24°47	15°12	19°59	20° 8	19°53	12°40	12° 1	6°48	n.a.	T 21
W22	17 39 36	24° 6'29	3♏10	15° 3	5°11	9°49	24°41	15°17	19°57	20° 8	19°52	12°41	11°58	6°55	n.a.	W22
T 23	17 43 32	25° 3'44	15°58	16°39	6°19	10°30	24°36	15°23	19°55	20° 8	19°51	12°42	11°54	7° 2	n.a.	T 23
F 24	17 47 29	26° 0'59	29° 6	18°12	7°28	11°10	24°30	15°28	19°53	20° 8	19°50	12°42	11°51	7° 9	n.a.	F 24
S 25	17 51 26	26°58'16	12♐37	19°44	8°36	11°50	24°25	15°34	19°50	20° 8	19°49	12°R43	11°48	7°15	n.a.	S 25
S 26	17 55 22	27°55'33	26°28	21°14	9°44	12°30	24°19	15°40	19°48	20° 8	19°47	12°42	11°45	7°22	n.a.	S 26
M27	17 59 19	28°52'51	10♑36	22°42	10°52	13°11	24°14	15°46	19°46	20° 8	19°46	12°41	11°42	7°29	n.a.	M27
T 28	18 3 15	29°50'10	24°59	24° 8	12° 0	13°51	24° 9	15°51	19°44	20° 9	19°45	12°39	11°39	7°36	n.a.	T 28
W29	18 7 12	0♋47'30	9♒30	25°33	13° 7	14°31	24° 4	15°57	19°42	20°R 9	19°44	12°37	11°35	7°42	n.a.	W29
T 30	18 11 8	1♋44'52	24♒ 3	26♋55	14♌15	15♉10	24♏ 0	16♌ 3	19♑39	20♓ 9	19♑43	12♊35	11♊32	7♍49	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n14	24s19	3s50	22n35	1n13	25n15	1n58	9n20	0s40	19s14	0n32	18n42	1n50	22s44	0s35	5s39	1s46	31s29	9s23	22n37	22n40	14n41		n.a.
T 2	21 25	21 25	4 36	23 5	1 20	25 9	1 58	9 36	0 40	19 13	0 32	18 41	1 49	22 44	0 35	5 39	1 46	31 29	9 24	22 37	22 39	14 39		n.a.
F 3	21 35	17 13	5 6	23 32	1 27	25 2	1 58	9 52	0 39	19 11	0 32	18 39	1 49	22 44	0 35	5 38	1 46	31 29	9 24	22 37	22 39	14 36		n.a.
S 4	21 45	12 4	5 17	23 57	1 33	24 54	1 57	10 7	0 38	19 10	0 32	18 38	1 49	22 45	0 35	5 38	1 46	31 30	9 24	22 37	22 38	14 34		n.a.
S 5	21 55	6 16	5 8	24 19	1 38	24 46	1 57	10 23	0 38	19 8	0 31	18 37	1 49	22 45	0 35	5 38	1 46	31 30	9 24	22 37	22 38	14 31		n.a.
M 6	22 4	0 11	4 41	24 38	1 42	24 37	1 56	10 39	0 37	19 6	0 31	18 35	1 49	22 45	0 35	5 38	1 46	31 30	9 25	22 37	22 38	14 29		n.a.
T 7	22 13	5n52	3 57	24 55	1 46	24 27	1 56	10 54	0 37	19 5	0 31	18 34	1 49	22 45	0 35	5 37	1 46	31 31	9 25	22 37	22 37	14 27		n.a.
W 8	22 21	11 35	3 0	25 9	1 49	24 16	1 55	11 9	0 36	19 3	0 31	18 32	1 49	22 46	0 35	5 37	1 46	31 31	9 25	22 37	22 37	14 24		n.a.
T 9	22 29	16 39	1 53	25 20	1 51	24 5	1 54	11 24	0 36	19 2	0 31	18 31	1 49	22 46	0 35	5 37	1 46	31 32	9 25	22 37	22 36	14 22		n.a.
F 10	22 37	20 47	0 41	25 28	1 53	23 53	1 53	11 39	0 35	19 0	0 31	18 30	1 49	22 46	0 35	5 37	1 46	31 32	9 25	22 37	22 36	14 19		n.a.
S 11	22 44	23 47	0n32	25 34	1 54	23 41	1 52	11 54	0 34	18 59	0 30	18 28	1 49	22 46	0 35	5 37	1 46	31 32	9 26	22 37	22 36	14 17		n.a.
S 12	22 51	25 26	1 42	25 38	1 54	23 28	1 51	12 9	0 34	18 57	0 30	18 26	1 48	22 47	0 35	5 37	1 46	31 33	9 26	22 37	22 35	14 14		n.a.
M13	22 57	25 44	2 45	25 39	1 54	23 14	1 50	12 24	0 33	18 56	0 30	18 25	1 48	22 47	0 35	5 36	1 46	31 33	9 26	22 37	22 35	14 12		n.a.
T 14	23 3	24 43	3 39	25 38	1 53	23 0	1 49	12 39	0 32	18 54	0 30	18 23	1 48	22 47	0 35	5 36	1 46	31 33	9 26	22 37	22 34	14 9		n.a.
W15	23 9	22 33	4 23	25 34	1 52	22 45	1 47	12 53	0 32	18 53	0 30	18 22	1 48	22 48	0 35	5 36	1 46	31 34	9 26	22 37	22 34	14 7		n.a.
T 16	23 14	19 25	4 54	25 29	1 50	22 29	1 46	13 7	0 31	18 52	0 29	18 20	1 48	22 48	0 35	5 36	1 47	31 34	9 27	22 36	22 33	14 5		n.a.
F 17	23 19	15 31	5 12	25 22	1 47	22 13	1 44	13 22	0 31	18 50	0 29	18 19	1 48	22 48	0 36	5 36	1 47	31 35	9 27	22 36	22 33	14 2		n.a.
S 18	23 23	11 2	5 16	25 12	1 44	21 57	1 42	13 36	0 30	18 49	0 29	18 17	1 48	22 49	0 36	5 36	1 47	31 35	9 27	22 36	22 33	14 0		n.a.
S 19	23 27	6 8	5 7	25 1	1 40	21 40	1 41	13 50	0 29	18 48	0 29	18 15	1 48	22 49	0 36	5 36	1 47	31 35	9 27	22 36	22 32	13 57		n.a.
M20	23 31	0 58	4 45	24 49	1 36	21 22	1 39	14 4	0 29	18 46	0 29	18 14	1 48	22 49	0 36	5 36	1 47	31 36	9 27	22 36	22 32	13 55		n.a.
T 21	23 34	4s20	4 10	24 34	1 31	21 3	1 37	14 17	0 28	18 45	0 28	18 12	1 48	22 50	0 36	5 36	1 47	31 36	9 28	22 36	22 31	13 52		n.a.
W22	23 37	9 34	3 22	24 19	1 26	20 45	1 35	14 31	0 27	18 44	0 28	18 10	1 48	22 50	0 36	5 36	1 47	31 36	9 28	22 37	22 31	13 50		n.a.
T 23	23 39	14 33	2 23	24 1	1 20	20 25	1 32	14 44	0 27	18 43	0 28	18 8	1 47	22 50	0 36	5 36	1 47	31 37	9 28	22 37	22 30	13 47		n.a.
F 24	23 41	19 0	1 14	23 43	1 14	20 5	1 30	14 58	0 26	18 41	0 28	18 7	1 47	22 51	0 36	5 36	1 47	31 37	9 28	22 37	22 30	13 45		n.a.
S 25	23 43	22 36	0 1	23 24	1 8	19 45	1 28	15 11	0 25	18 40	0 28	18 5	1 47	22 51	0 36	5 36	1 47	31 37	9 28	22 37	22 30	13 42		n.a.
S 26	23 44	24 57	1s15	23 3	1 1	19 24	1 25	15 24	0 25	18 39	0 28	18 3	1 47	22 51	0 36	5 36	1 47	31 38	9 28	22 37	22 29	13 40		n.a.
M27	23 45	25 47	2 28	22 41	0 54	19 3	1 22	15 37	0 24	18 38	0 27	18 1	1 47	22 52	0 36	5 36	1 47	31 38	9 29	22 37	22 29	13 37		n.a.
T 28	23 45	24 53	3 32	22 19	0 46	18 41	1 20	15 50	0 23	18 37	0 27	17 59	1 47	22 52	0 36	5 36	1 47	31 38	9 29	22 36	22 28	13 35		n.a.
W29	23 45	22 20	4 24	21 56	0 38	18 19	1 17	16 2	0 23	18 36	0 27	17 58	1 47	22 52	0 36	5 36	1 47	31 39	9 29	22 36	22 28	13 32		n.a.
T 30	23n44	18s21	4s58	21n32	0n30	17n57	1n14	16n15	0s22	18s35	0n27	17n56	1n47	22s53	0s36	5s36	1s47	31s39	9s29	22n36	22n27	13n30		n.a.

Julian Day Number = 1561960.5, Delta T = 04h23m34s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'06, Lahiri = - 9°59'06 Julian Calendar 1 June 437 BCE == Greg. Calendar 27 May 437 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

JULY 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 15 5	2♋42'14	8♓32	28♋16	15♌22	15♉50	23°R55	16♌ 9	19°R37	20°R 8	19°R41	12°R33	11♊29	7♍56	n.a.	F 1
S 2	18 19 2	3°39'38	22°54	29°34	16°29	16°30	23♏51	16°15	19♑35	20♓ 8	19♑40	12♊32	11°26	8° 2	n.a.	S 2
S 3	18 22 58	4°37'03	7♈ 4	0♌51	17°36	17°10	23°47	16°21	19°33	20° 8	19°39	12°D31	11°23	8° 9	n.a.	S 3
M 4	18 26 55	5°34'30	21° 2	2° 5	18°43	17°49	23°42	16°27	19°30	20° 8	19°37	12°32	11°20	8°16	n.a.	M 4
T 5	18 30 51	6°31'58	4♉45	3°17	19°50	18°29	23°39	16°34	19°28	20° 8	19°36	12°33	11°16	8°23	n.a.	T 5
W 6	18 34 48	7°29'28	18°15	4°27	20°57	19° 8	23°35	16°40	19°26	20° 8	19°35	12°35	11°13	8°29	n.a.	W 6
T 7	18 38 44	8°26'59	1♊31	5°35	22° 3	19°48	23°31	16°46	19°23	20° 7	19°34	12°36	11°10	8°36	n.a.	T 7
F 8	18 42 41	9°24'32	14°34	6°40	23°10	20°27	23°28	16°53	19°21	20° 7	19°32	12°R36	11° 7	8°43	n.a.	F 8
S 9	18 46 37	10°22'06	27°24	7°43	24°16	21° 6	23°25	16°59	19°19	20° 7	19°31	12°36	11° 4	8°49	n.a.	S 9
S 10	18 50 34	11°19'42	10♋ 2	8°43	25°22	21°45	23°22	17° 5	19°16	20° 7	19°30	12°33	11° 0	8°56	n.a.	S 10
M11	18 54 31	12°17'18	22°29	9°40	26°28	22°24	23°19	17°12	19°14	20° 6	19°28	12°30	10°57	9° 3	n.a.	M11
T 12	18 58 27	13°14'57	4♌44	10°34	27°34	23° 3	23°16	17°18	19°12	20° 6	19°27	12°25	10°54	9°10	n.a.	T 12
W13	19 2 24	14°12'36	16°50	11°26	28°40	23°42	23°14	17°25	19° 9	20° 5	19°26	12°19	10°51	9°16	n.a.	W13
T 14	19 6 20	15°10'16	28°49	12°14	29°45	24°21	23°11	17°32	19° 7	20° 5	19°24	12°14	10°48	9°23	n.a.	T 14
F 15	19 10 17	16° 7'58	10♍43	12°59	0♍50	25° 0	23° 9	17°38	19° 4	20° 4	19°23	12° 9	10°45	9°30	n.a.	F 15
S 16	19 14 13	17° 5'41	22°34	13°40	1°55	25°38	23° 7	17°45	19° 2	20° 4	19°22	12° 5	10°41	9°37	n.a.	S 16
S 17	19 18 10	18° 3'25	4♎28	14°17	3° 0	26°17	23° 6	17°52	19° 0	20° 3	19°20	12° 2	10°38	9°43	n.a.	S 17
M18	19 22 6	19° 1'11	16°28	14°51	4° 5	26°55	23° 4	17°58	18°57	20° 3	19°19	12°D 1	10°35	9°50	n.a.	M18
T 19	19 26 3	19°58'58	28°39	15°20	5° 9	27°34	23° 3	18° 5	18°55	20° 2	19°18	12° 1	10°32	9°57	n.a.	T 19
W20	19 30 0	20°56'46	11♏ 6	15°44	6°13	28°12	23° 1	18°12	18°52	20° 1	19°16	12° 3	10°29	10° 3	n.a.	W20
T 21	19 33 56	21°54'35	23°53	16° 4	7°17	28°50	23° 0	18°19	18°50	20° 1	19°15	12° 4	10°26	10°10	n.a.	T 21
F 22	19 37 53	22°52'26	7♐ 5	16°20	8°21	29°28	23° 0	18°26	18°48	20° 0	19°14	12°R 5	10°22	10°17	n.a.	F 22
S 23	19 41 49	23°50'18	20°42	16°29	9°25	0♊ 7	22°59	18°33	18°45	19°59	19°12	12° 5	10°19	10°24	n.a.	S 23
S 24	19 45 46	24°48'12	4♑46	16°R34	10°28	0°45	22°59	18°40	18°43	19°58	19°11	12° 3	10°16	10°30	n.a.	S 24
M25	19 49 42	25°46'08	19°14	16°32	11°31	1°22	22°58	18°47	18°41	19°58	19°10	11°59	10°13	10°37	n.a.	M25
T 26	19 53 39	26°44'05	4♒ 0	16°25	12°34	2° 0	22°D58	18°54	18°38	19°57	19° 9	11°53	10°10	10°44	n.a.	T 26
W27	19 57 35	27°42'04	18°57	16°12	13°36	2°38	22°58	19° 1	18°36	19°56	19° 7	11°47	10° 6	10°51	n.a.	W27
T 28	20 1 32	28°40'04	3♓55	15°53	14°39	3°16	22°59	19° 8	18°34	19°55	19° 6	11°40	10° 3	10°57	n.a.	T 28
F 29	20 5 29	29°38'07	18°47	15°28	15°40	3°53	22°59	19°15	18°31	19°54	19° 5	11°34	10° 0	11° 4	n.a.	F 29
S 30	20 9 25	0♌36'11	3♈24	14°56	16°42	4°31	23° 0	19°22	18°29	19°53	19° 3	11°29	9°57	11°11	n.a.	S 30
S 31	20 13 22	1♌34'17	17♈42	14♌19	17♍44	5♊ 8	23♏ 1	19♌29	18♑27	19♓52	19♑ 2	11♊26	9♊54	11♍17	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n43	13s19	5s14	21n 7	0n21	17n34	1n11	16n27	0s21	18s34	0n27	17n54	1n47	22s53	0s36	5s36	1s47	31s39	9s29	22n36	22n27	13n27		n.a.
S 2	23 42	7 35	5 10	20 42	0 12	17 10	1 8	16 40	0 20	18 33	0 26	17 52	1 47	22 53	0 36	5 36	1 48	31 40	9 29	22 35	22 27	13 25		n.a.
S 3	23 40	1 32	4 46	20 16	0 3	16 46	1 4	16 52	0 20	18 32	0 26	17 50	1 47	22 54	0 36	5 36	1 48	31 40	9 29	22 35	22 26	13 22		n.a.
M 4	23 38	4n30	4 6	19 50	0s 7	16 22	1 1	17 4	0 19	18 31	0 26	17 48	1 47	22 54	0 36	5 36	1 48	31 40	9 29	22 35	22 26	13 20		n.a.
T 5	23 35	10 15	3 13	19 24	0 17	15 58	0 57	17 15	0 18	18 31	0 26	17 46	1 47	22 54	0 36	5 36	1 48	31 41	9 30	22 36	22 25	13 17		n.a.
W 6	23 32	15 25	2 10	18 58	0 27	15 33	0 54	17 27	0 18	18 30	0 25	17 44	1 47	22 55	0 36	5 36	1 48	31 41	9 30	22 36	22 25	13 15		n.a.
T 7	23 29	19 45	1 0	18 31	0 37	15 8	0 50	17 39	0 17	18 29	0 25	17 42	1 47	22 55	0 36	5 37	1 48	31 41	9 30	22 36	22 24	13 12		n.a.
F 8	23 25	23 1	0n11	18 5	0 47	14 42	0 46	17 50	0 16	18 29	0 25	17 40	1 47	22 55	0 36	5 37	1 48	31 42	9 30	22 36	22 24	13 9		n.a.
S 9	23 20	25 4	1 20	17 39	0 58	14 16	0 43	18 1	0 15	18 28	0 25	17 38	1 47	22 56	0 36	5 37	1 48	31 42	9 30	22 36	22 23	13 7		n.a.
S 10	23 16	25 46	2 24	17 13	1 9	13 50	0 39	18 12	0 15	18 27	0 25	17 36	1 46	22 56	0 36	5 37	1 48	31 42	9 30	22 36	22 23	13 4		n.a.
M11	23 10	25 9	3 21	16 47	1 20	13 24	0 34	18 23	0 14	18 27	0 24	17 34	1 46	22 56	0 36	5 37	1 48	31 43	9 30	22 35	22 23	13 2		n.a.
T 12	23 5	23 19	4 7	16 21	1 31	12 57	0 30	18 34	0 13	18 26	0 24	17 32	1 46	22 57	0 36	5 38	1 48	31 43	9 30	22 35	22 22	12 59		n.a.
W13	22 59	20 27	4 41	15 56	1 42	12 30	0 26	18 44	0 12	18 26	0 24	17 30	1 46	22 57	0 36	5 38	1 48	31 43	9 30	22 34	22 22	12 57		n.a.
T 14	22 52	16 45	5 3	15 32	1 53	12 3	0 22	18 55	0 12	18 26	0 24	17 28	1 46	22 58	0 36	5 38	1 48	31 43	9 30	22 33	22 21	12 54		n.a.
F 15	22 46	12 25	5 11	15 9	2 5	11 35	0 17	19 5	0 11	18 25	0 24	17 26	1 46	22 58	0 36	5 38	1 48	31 44	9 31	22 32	22 21	12 52		n.a.
S 16	22 38	7 39	5 6	14 46	2 16	11 7	0 13	19 15	0 10	18 25	0 23	17 24	1 46	22 58	0 36	5 39	1 48	31 44	9 31	22 32	22 20	12 49		n.a.
S 17	22 31	2 36	4 48	14 24	2 27	10 40	0 8	19 25	0 9	18 25	0 23	17 22	1 46	22 59	0 36	5 39	1 49	31 44	9 31	22 32	22 20	12 46		n.a.
M18	22 23	2s37	4 17	14 4	2 39	10 11	0 3	19 35	0 9	18 24	0 23	17 19	1 46	22 59	0 36	5 39	1 49	31 45	9 31	22 31	22 19	12 44		n.a.
T 19	22 14	7 48	3 34	13 45	2 50	9 43	0s 2	19 45	0 8	18 24	0 23	17 17	1 46	22 59	0 36	5 39	1 49	31 45	9 31	22 31	22 19	12 41		n.a.
W20	22 6	12 49	2 40	13 27	3 1	9 15	0 7	19 54	0 7	18 24	0 23	17 15	1 46	23 0	0 36	5 40	1 49	31 45	9 31	22 32	22 18	12 39		n.a.
T 21	21 56	17 25	1 37	13 11	3 11	8 46	0 12	20 4	0 6	18 24	0 22	17 13	1 46	23 0	0 36	5 40	1 49	31 45	9 31	22 32	22 18	12 36		n.a.
F 22	21 47	21 20	0 27	12 56	3 22	8 17	0 17	20 13	0 5	18 24	0 22	17 11	1 46	23 0	0 36	5 40	1 49	31 46	9 31	22 32	22 18	12 33		n.a.
S 23	21 37	24 12	0s47	12 44	3 32	7 48	0 22	20 22	0 5	18 24	0 22	17 9	1 46	23 1	0 36	5 41	1 49	31 46	9 31	22 32	22 17	12 31		n.a.
S 24	21 27	25 39	2 0	12 34	3 41	7 19	0 27	20 31	0 4	18 24	0 22	17 6	1 46	23 1	0 36	5 41	1 49	31 46	9 31	22 32	22 17	12 28		n.a.
M25	21 16	25 26	3 7	12 26	3 50	6 50	0 32	20 39	0 3	18 24	0 22	17 4	1 46	23 1	0 36	5 42	1 49	31 46	9 31	22 31	22 16	12 26		n.a.
T 26	21 5	23 26	4 3	12 20	3 58	6 21	0 38	20 48	0 2	18 25	0 21	17 2	1 46	23 2	0 36	5 42	1 49	31 47	9 31	22 30	22 16	12 23		n.a.
W27	20 53	19 49	4 44	12 17	4 6	5 52	0 43	20 56	0 1	18 25	0 21	17 0	1 46	23 2	0 36	5 42	1 49	31 47	9 31	22 29	22 15	12 20		n.a.
T 28	20 42	14 55	5 5	12 17	4 12	5 22	0 49	21 4	0 0	18 25	0 21	16 57	1 46	23 2	0 36	5 43	1 49	31 47	9 31	22 29	22 15	12 18		n.a.
F 29	20 29	9 9	5 5	12 19	4 17	4 53	0 55	21 12	0n 0	18 25	0 21	16 55	1 46	23 3	0 36	5 43	1 49	31 47	9 31	22 28	22 14	12 15		n.a.
S 30	20 17	2 59	4 45	12 25	4 21	4 23	1 0	21 20	0 1	18 26	0 21	16 53	1 46	23 3	0 36	5 44	1 49	31 47	9 31	22 27	22 14	12 13		n.a.
S 31	20n 4	3n13	4s 8	12n33	4s23	3n54	1s 6	21n28	0n 2	18s26	0n20	16n51	1n46	23s 3	0s36	5s44	1s49	31s48	9s31	22n27	22n13	12n10		n.a.

Julian Day Number = 1561990.5, Delta T = 04h23m33s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°06'02, Lahiri = - 9°59'02 Julian Calendar 1 July 437 BCE == Greg. Calendar 26 June 437 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

AUGUST 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 17 18	2♌32'26	1♉38	13°R36	18♍45	5♊45	23♏ 2	19♌36	18°R24	19°R51	19°R 1	11°D25	9♊51	11♍24	n.a.	M 1
T 2	20 21 15	3°30'37	15°14	12♌49	19°45	6°23	23° 3	19°43	18♑22	19♓50	18♑59	11♊26	9°47	11°31	n.a.	T 2
W 3	20 25 11	4°28'50	28°30	11°57	20°46	7° 0	23° 5	19°50	18°20	19°49	18°58	11°27	9°44	11°38	n.a.	W 3
T 4	20 29 8	5°27'05	11♊28	11° 1	21°46	7°37	23° 6	19°58	18°17	19°48	18°57	11°R27	9°41	11°44	n.a.	T 4
F 5	20 33 4	6°25'23	24°12	10° 3	22°46	8°14	23° 8	20° 5	18°15	19°47	18°56	11°26	9°38	11°51	n.a.	F 5
S 6	20 37 1	7°23'42	6♋44	9° 4	23°45	8°51	23°10	20°12	18°13	19°46	18°54	11°23	9°35	11°58	n.a.	S 6
S 7	20 40 58	8°22'04	19° 6	8° 4	24°44	9°27	23°12	20°19	18°11	19°45	18°53	11°18	9°32	12° 5	n.a.	S 7
M 8	20 44 54	9°20'27	1♌19	7° 6	25°43	10° 4	23°15	20°27	18° 9	19°44	18°52	11°10	9°28	12°11	n.a.	M 8
T 9	20 48 51	10°18'53	13°25	6°10	26°41	10°41	23°17	20°34	18° 6	19°42	18°51	11° 0	9°25	12°18	n.a.	T 9
W10	20 52 47	11°17'20	25°25	5°19	27°39	11°17	23°20	20°41	18° 4	19°41	18°49	10°48	9°22	12°25	n.a.	W10
T 11	20 56 44	12°15'50	7♍19	4°32	28°37	11°53	23°23	20°49	18° 2	19°40	18°48	10°37	9°19	12°31	n.a.	T 11
F 12	21 0 40	13°14'21	19°11	3°52	29°34	12°30	23°26	20°56	18° 0	19°39	18°47	10°26	9°16	12°38	n.a.	F 12
S 13	21 4 37	14°12'54	1♎ 2	3°19	0♎31	13° 6	23°29	21° 3	17°58	19°37	18°46	10°16	9°12	12°45	n.a.	S 13
S 14	21 8 33	15°11'29	12°54	2°54	1°27	13°42	23°33	21°11	17°56	19°36	18°45	10° 9	9° 9	12°52	n.a.	S 14
M15	21 12 30	16°10'05	24°52	2°38	2°22	14°18	23°37	21°18	17°54	19°35	18°44	10° 4	9° 6	12°58	n.a.	M15
T 16	21 16 26	17° 8'44	7♏ 0	2°D32	3°18	14°54	23°40	21°25	17°52	19°33	18°42	10° 2	9° 3	13° 5	n.a.	T 16
W17	21 20 23	18° 7'24	19°23	2°35	4°12	15°29	23°44	21°33	17°50	19°32	18°41	10°D 2	9° 0	13°12	n.a.	W17
T 18	21 24 20	19° 6'07	2♐ 5	2°48	5° 6	16° 5	23°49	21°40	17°48	19°31	18°40	10° 2	8°57	13°19	n.a.	T 18
F 19	21 28 16	20° 4'51	15°12	3°10	6° 0	16°41	23°53	21°48	17°46	19°29	18°39	10°R 2	8°53	13°25	n.a.	F 19
S 20	21 32 13	21° 3'37	28°46	3°41	6°53	17°16	23°57	21°55	17°44	19°28	18°38	10° 1	8°50	13°32	n.a.	S 20
S 21	21 36 9	22° 2'24	12♑50	4°22	7°45	17°51	24° 2	22° 2	17°42	19°26	18°37	9°57	8°47	13°39	n.a.	S 21
M22	21 40 6	23° 1'14	27°22	5°11	8°37	18°27	24° 7	22°10	17°40	19°25	18°36	9°51	8°44	13°45	n.a.	M22
T 23	21 44 2	24° 0'06	12♒19	6° 7	9°28	19° 2	24°12	22°17	17°39	19°23	18°35	9°42	8°41	13°52	n.a.	T 23
W24	21 47 59	24°58'59	27°32	7°12	10°19	19°37	24°17	22°24	17°37	19°22	18°34	9°32	8°37	13°59	n.a.	W24
T 25	21 51 55	25°57'55	12♓49	8°22	11° 8	20°11	24°23	22°32	17°35	19°20	18°33	9°21	8°34	14° 6	n.a.	T 25
F 26	21 55 52	26°56'53	28° 1	9°39	11°57	20°46	24°28	22°39	17°33	19°19	18°32	9°11	8°31	14°12	n.a.	F 26
S 27	21 59 49	27°55'53	12♈57	11° 1	12°45	21°21	24°34	22°47	17°32	19°17	18°31	9° 3	8°28	14°19	n.a.	S 27
S 28	22 3 45	28°54'55	27°29	12°28	13°33	21°55	24°40	22°54	17°30	19°16	18°30	8°58	8°25	14°26	n.a.	S 28
M29	22 7 42	29°54'00	11♉34	13°59	14°19	22°30	24°46	23° 1	17°29	19°14	18°29	8°55	8°22	14°32	n.a.	M29
T 30	22 11 38	0♍53'08	25°12	15°33	15° 5	23° 4	24°52	23° 9	17°27	19°13	18°28	8°54	8°18	14°39	n.a.	T 30
W31	22 15 35	1♍52'18	8♊25	17♌11	15♎50	23♊38	24♏58	23♌16	17♑26	19♓11	18♑27	8♊54	8♊15	14♍46	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	19n51	9n 7	3s17	12n45	4s24	3n24	1s12	21n36	0n 3	18s27	0n20	16n48	1n46	23s 4	0s36	5s44	1s49	31s48	9s31	22n26	22n13	12n 7		n.a.
T 2	19 37	14 27	2 16	12 59	4 23	2 55	1 18	21 43	0 4	18 27	0 20	16 46	1 46	23 4	0 36	5 45	1 49	31 48	9 31	22 27	22 12	12 5		n.a.
W 3	19 23	18 58	1 9	13 16	4 20	2 25	1 24	21 50	0 5	18 28	0 20	16 44	1 46	23 4	0 36	5 45	1 49	31 48	9 31	22 27	22 12	12 2		n.a.
T 4	19 9	22 27	0n 0	13 36	4 15	1 55	1 30	21 57	0 5	18 28	0 20	16 41	1 46	23 5	0 36	5 46	1 50	31 48	9 31	22 27	22 11	11 59		n.a.
F 5	18 55	24 45	1 8	13 58	4 9	1 26	1 37	22 4	0 6	18 29	0 19	16 39	1 46	23 5	0 36	5 46	1 50	31 49	9 31	22 27	22 11	11 57		n.a.
S 6	18 40	25 45	2 11	14 22	4 0	0 56	1 43	22 11	0 7	18 30	0 19	16 37	1 46	23 5	0 36	5 47	1 50	31 49	9 31	22 26	22 10	11 54		n.a.
S 7	18 24	25 27	3 7	14 48	3 49	0 27	1 49	22 17	0 8	18 30	0 19	16 34	1 46	23 5	0 36	5 47	1 50	31 49	9 31	22 25	22 10	11 51		n.a.
M 8	18 9	23 55	3 54	15 15	3 37	0s 2	1 55	22 24	0 9	18 31	0 19	16 32	1 46	23 6	0 36	5 48	1 50	31 49	9 31	22 24	22 9	11 49		n.a.
T 9	17 53	21 18	4 29	15 42	3 22	0 32	2 2	22 30	0 10	18 32	0 19	16 30	1 46	23 6	0 36	5 48	1 50	31 49	9 31	22 23	22 9	11 46		n.a.
W10	17 37	17 47	4 52	16 10	3 7	1 1	2 8	22 36	0 11	18 33	0 18	16 27	1 46	23 6	0 36	5 49	1 50	31 49	9 31	22 21	22 8	11 43		n.a.
T 11	17 20	13 36	5 2	16 38	2 50	1 30	2 15	22 42	0 12	18 34	0 18	16 25	1 46	23 7	0 36	5 49	1 50	31 49	9 31	22 20	22 8	11 41		n.a.
F 12	17 4	8 55	4 59	17 5	2 32	1 59	2 22	22 48	0 13	18 35	0 18	16 23	1 46	23 7	0 36	5 50	1 50	31 50	9 31	22 18	22 8	11 38		n.a.
S 13	16 47	3 55	4 43	17 30	2 13	2 28	2 28	22 53	0 14	18 36	0 18	16 20	1 46	23 7	0 36	5 50	1 50	31 50	9 31	22 17	22 7	11 35		n.a.
S 14	16 29	1s15	4 15	17 54	1 54	2 57	2 35	22 59	0 14	18 37	0 18	16 18	1 46	23 7	0 36	5 51	1 50	31 50	9 31	22 16	22 7	11 33		n.a.
M15	16 12	6 25	3 36	18 17	1 35	3 25	2 42	23 4	0 15	18 38	0 18	16 16	1 46	23 8	0 36	5 52	1 50	31 50	9 31	22 15	22 6	11 30		n.a.
T 16	15 54	11 25	2 46	18 37	1 16	3 54	2 48	23 9	0 16	18 39	0 17	16 13	1 46	23 8	0 36	5 52	1 50	31 50	9 31	22 15	22 6	11 27		n.a.
W17	15 36	16 5	1 47	18 54	0 57	4 22	2 55	23 14	0 17	18 40	0 17	16 11	1 47	23 8	0 36	5 53	1 50	31 50	9 31	22 14	22 5	11 25		n.a.
T 18	15 17	20 10	0 42	19 9	0 39	4 50	3 2	23 19	0 18	18 42	0 17	16 9	1 47	23 8	0 36	5 53	1 50	31 50	9 31	22 15	22 5	11 22		n.a.
F 19	14 59	23 22	0s27	19 21	0 22	5 18	3 9	23 23	0 19	18 43	0 17	16 6	1 47	23 9	0 36	5 54	1 50	31 50	9 30	22 15	22 4	11 19		n.a.
S 20	14 40	25 22	1 38	19 30	0 5	5 45	3 16	23 28	0 20	18 44	0 17	16 4	1 47	23 9	0 36	5 55	1 50	31 50	9 30	22 14	22 4	11 17		n.a.
S 21	14 21	25 51	2 44	19 36	0n11	6 13	3 23	23 32	0 21	18 45	0 16	16 1	1 47	23 9	0 36	5 55	1 50	31 51	9 30	22 14	22 3	11 14		n.a.
M22	14 1	24 36	3 43	19 38	0 25	6 40	3 30	23 36	0 22	18 47	0 16	15 59	1 47	23 9	0 36	5 56	1 50	31 51	9 30	22 13	22 3	11 11		n.a.
T 23	13 42	21 36	4 28	19 37	0 39	7 7	3 37	23 40	0 23	18 48	0 16	15 57	1 47	23 10	0 36	5 56	1 50	31 51	9 30	22 12	22 2	11 8		n.a.
W24	13 22	17 5	4 54	19 32	0 51	7 33	3 44	23 44	0 24	18 50	0 16	15 54	1 47	23 10	0 36	5 57	1 50	31 51	9 30	22 10	22 2	11 6		n.a.
T 25	13 2	11 26	5 0	19 25	1 3	7 59	3 51	23 48	0 25	18 51	0 16	15 52	1 47	23 10	0 36	5 58	1 50	31 51	9 30	22 8	22 1	11 3		n.a.
F 26	12 41	5 9	4 45	19 14	1 13	8 25	3 58	23 51	0 26	18 53	0 16	15 49	1 47	23 10	0 36	5 58	1 50	31 51	9 30	22 7	22 1	11 0		n.a.
S 27	12 21	1n20	4 10	19 0	1 21	8 51	4 5	23 55	0 27	18 54	0 15	15 47	1 47	23 10	0 36	5 59	1 50	31 51	9 30	22 6	22 0	10 57		n.a.
S 28	12 0	7 36	3 20	18 42	1 29	9 16	4 12	23 58	0 28	18 56	0 15	15 45	1 47	23 11	0 36	6 0	1 50	31 51	9 30	22 5	22 0	10 55		n.a.
M29	11 39	13 18	2 19	18 22	1 36	9 41	4 19	24 1	0 29	18 58	0 15	15 42	1 47	23 11	0 36	6 0	1 50	31 51	9 30	22 4	21 59	10 52		n.a.
T 30	11 18	18 9	1 12	17 59	1 41	10 5	4 26	24 4	0 30	18 59	0 15	15 40	1 47	23 11	0 36	6 1	1 51	31 51	9 29	22 4	21 59	10 49		n.a.
W31	10n57	21n57	0s 3	17n34	1n46	10s29	4s33	24n 7	0n31	19s 1	0n15	15n38	1n47	23s11	0s36	6s 1	1s51	31s51	9s29	22n 4	21n58	10n47		n.a.

Julian Day Number = 1562021.5, Delta T = 04h23m32s
Ecliptic obliquity = 23°44'56, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'58, Lahiri = - 9°58'58 Julian Calendar 1 Aug. 437 BCE == Greg. Calendar 27 July 437 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

SEPTEMBER 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 19 31	2♍51'30	21♊17	18♌50	16♎34	24♊12	25♏ 5	23♌23	17°R24	19°R10	18°R26	8°R54	8♊12	14♍53	n.a.	T 1
F 2	22 23 28	3°50'45	3♋51	20°32	17°17	24°46	25°11	23°31	17♑23	19♓ 8	18♑25	8♊52	8° 9	14°59	n.a.	F 2
S 3	22 27 24	4°50'03	16°11	22°14	17°59	25°20	25°18	23°38	17°21	19° 6	18°25	8°48	8° 6	15° 6	n.a.	S 3
S 4	22 31 21	5°49'22	28°21	23°58	18°40	25°53	25°25	23°45	17°20	19° 5	18°24	8°40	8° 3	15°13	n.a.	S 4
M 5	22 35 18	6°48'44	10♌24	25°43	19°20	26°27	25°32	23°52	17°19	19° 3	18°23	8°30	7°59	15°20	n.a.	M 5
T 6	22 39 14	7°48'08	22°22	27°29	19°58	27° 0	25°39	24° 0	17°17	19° 1	18°22	8°17	7°56	15°26	n.a.	T 6
W 7	22 43 11	8°47'35	4♍16	29°14	20°36	27°33	25°47	24° 7	17°16	19° 0	18°21	8° 3	7°53	15°33	n.a.	W 7
T 8	22 47 7	9°47'03	16° 8	1♍ 0	21°12	28° 6	25°54	24°14	17°15	18°58	18°21	7°48	7°50	15°40	n.a.	T 8
F 9	22 51 4	10°46'34	28° 0	2°46	21°47	28°39	26° 2	24°21	17°14	18°56	18°20	7°34	7°47	15°46	n.a.	F 9
S 10	22 55 0	11°46'07	9♎52	4°32	22°21	29°12	26°10	24°28	17°13	18°55	18°19	7°22	7°43	15°53	n.a.	S 10
S 11	22 58 57	12°45'41	21°47	6°17	22°54	29°45	26°18	24°36	17°12	18°53	18°19	7°12	7°40	16° 0	n.a.	S 11
M12	23 2 53	13°45'18	3♏47	8° 2	23°25	0♋17	26°26	24°43	17°11	18°51	18°18	7° 5	7°37	16° 7	n.a.	M12
T 13	23 6 50	14°44'57	15°56	9°47	23°54	0°49	26°34	24°50	17°10	18°50	18°17	7° 2	7°34	16°13	n.a.	T 13
W14	23 10 46	15°44'37	28°18	11°31	24°22	1°22	26°42	24°57	17° 9	18°48	18°17	7° 0	7°31	16°20	n.a.	W14
T 15	23 14 43	16°44'20	10♐56	13°15	24°49	1°54	26°51	25° 4	17° 8	18°46	18°16	7° 0	7°28	16°27	n.a.	T 15
F 16	23 18 40	17°44'04	23°56	14°58	25°13	2°25	26°59	25°11	17° 7	18°45	18°16	7° 0	7°24	16°33	n.a.	F 16
S 17	23 22 36	18°43'50	7♑22	16°40	25°36	2°57	27° 8	25°18	17° 6	18°43	18°15	6°59	7°21	16°40	n.a.	S 17
S 18	23 26 33	19°43'38	21°16	18°22	25°57	3°29	27°17	25°25	17° 6	18°41	18°15	6°55	7°18	16°47	n.a.	S 18
M19	23 30 29	20°43'28	5♒40	20° 3	26°17	4° 0	27°26	25°32	17° 5	18°40	18°14	6°50	7°15	16°54	n.a.	M19
T 20	23 34 26	21°43'19	20°30	21°44	26°34	4°31	27°35	25°39	17° 4	18°38	18°14	6°41	7°12	17° 0	n.a.	T 20
W21	23 38 22	22°43'13	5♓41	23°24	26°49	5° 2	27°44	25°46	17° 4	18°36	18°13	6°31	7° 9	17° 7	n.a.	W21
T 22	23 42 19	23°43'08	21° 1	25° 4	27° 3	5°33	27°54	25°52	17° 3	18°35	18°13	6°20	7° 5	17°14	n.a.	T 22
F 23	23 46 15	24°43'05	6♈21	26°43	27°14	6° 3	28° 3	25°59	17° 3	18°33	18°12	6°10	7° 2	17°21	n.a.	F 23
S 24	23 50 12	25°43'04	21°27	28°21	27°23	6°34	28°13	26° 6	17° 2	18°31	18°12	6° 2	6°59	17°27	n.a.	S 24
S 25	23 54 9	26°43'06	6♉12	29°59	27°30	7° 4	28°23	26°13	17° 2	18°30	18°12	5°56	6°56	17°34	n.a.	S 25
M26	23 58 5	27°43'10	20°30	1♎36	27°34	7°34	28°32	26°19	17° 2	18°28	18°11	5°53	6°53	17°41	n.a.	M26
T 27	0 2 2	28°43'16	4♊17	3°13	27°R37	8° 4	28°42	26°26	17° 1	18°26	18°11	5°D52	6°49	17°47	n.a.	T 27
W28	0 5 58	29°43'24	17°37	4°49	27°37	8°34	28°52	26°33	17° 1	18°25	18°11	5°52	6°46	17°54	n.a.	W28
T 29	0 9 55	0♎43'35	0♋31	6°25	27°34	9° 3	29° 3	26°39	17° 1	18°23	18°11	5°R53	6°43	18° 1	n.a.	T 29
F 30	0 13 51	1♎43'48	13♋ 4	8♎ 1	27♎29	9♋33	29♏13	26♌46	17♑ 1	18♓21	18♑10	5♊52	6♊40	18♍ 8	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n35	24n32	1n 5	17n 6	1n49	10s53	4s40	24n 9	0n32	19s 3	0n15	15n35	1n47	23s11	0s36	6s 2	1s51	31s51	9s29	22n 4	21n58	10n44		n.a.
F 2	10 14	25 49	2 8	16 36	1 52	11 16	4 47	24 12	0 33	19 5	0 14	15 33	1 48	23 12	0 36	6 3	1 51	31 51	9 29	22 4	21 57	10 41		n.a.
S 3	9 52	25 47	3 3	16 4	1 53	11 39	4 53	24 14	0 34	19 6	0 14	15 30	1 48	23 12	0 36	6 3	1 51	31 51	9 29	22 3	21 56	10 38		n.a.
S 4	9 30	24 30	3 49	15 30	1 54	12 1	5 0	24 16	0 35	19 8	0 14	15 28	1 48	23 12	0 36	6 4	1 51	31 51	9 29	22 2	21 56	10 36		n.a.
M 5	9 7	22 6	4 25	14 54	1 54	12 23	5 7	24 18	0 36	19 10	0 14	15 26	1 48	23 12	0 36	6 5	1 51	31 51	9 29	22 0	21 55	10 33		n.a.
T 6	8 45	18 46	4 48	14 17	1 54	12 44	5 14	24 20	0 37	19 12	0 14	15 23	1 48	23 12	0 36	6 5	1 51	31 51	9 29	21 58	21 55	10 30		n.a.
W 7	8 23	14 41	4 58	13 38	1 53	13 4	5 20	24 22	0 39	19 14	0 14	15 21	1 48	23 12	0 36	6 6	1 51	31 51	9 28	21 56	21 54	10 27		n.a.
T 8	8 0	10 4	4 56	12 59	1 51	13 25	5 27	24 24	0 40	19 16	0 13	15 19	1 48	23 12	0 36	6 7	1 51	31 51	9 28	21 54	21 54	10 25		n.a.
F 9	7 37	5 5	4 41	12 18	1 49	13 44	5 33	24 25	0 41	19 18	0 13	15 16	1 48	23 13	0 36	6 7	1 51	31 51	9 28	21 51	21 53	10 22		n.a.
S 10	7 14	0s 5	4 13	11 37	1 46	14 3	5 40	24 27	0 42	19 20	0 13	15 14	1 48	23 13	0 36	6 8	1 51	31 51	9 28	21 49	21 53	10 19		n.a.
S 11	6 51	5 17	3 34	10 54	1 43	14 21	5 46	24 28	0 43	19 22	0 13	15 12	1 48	23 13	0 35	6 9	1 51	31 51	9 28	21 48	21 52	10 16		n.a.
M12	6 28	10 21	2 46	10 11	1 39	14 38	5 52	24 29	0 44	19 24	0 13	15 9	1 49	23 13	0 35	6 9	1 51	31 51	9 28	21 46	21 52	10 13		n.a.
T 13	6 5	15 5	1 49	9 28	1 35	14 55	5 58	24 30	0 45	19 26	0 13	15 7	1 49	23 13	0 35	6 10	1 51	31 51	9 28	21 46	21 51	10 11		n.a.
W14	5 42	19 17	0 46	8 44	1 30	15 11	6 4	24 31	0 46	19 28	0 13	15 5	1 49	23 13	0 35	6 11	1 51	31 51	9 27	21 46	21 51	10 8		n.a.
T 15	5 18	22 43	0s21	7 59	1 26	15 26	6 10	24 32	0 48	19 30	0 12	15 2	1 49	23 13	0 35	6 11	1 51	31 51	9 27	21 46	21 50	10 5		n.a.
F 16	4 54	25 5	1 28	7 14	1 21	15 41	6 15	24 32	0 49	19 32	0 12	15 0	1 49	23 13	0 35	6 12	1 51	31 50	9 27	21 46	21 50	10 2		n.a.
S 17	4 31	26 6	2 33	6 29	1 16	15 54	6 20	24 33	0 50	19 35	0 12	14 58	1 49	23 13	0 35	6 13	1 51	31 50	9 27	21 45	21 49	9 59		n.a.
S 18	4 7	25 31	3 31	5 44	1 10	16 7	6 26	24 33	0 51	19 37	0 12	14 56	1 49	23 13	0 35	6 14	1 51	31 50	9 27	21 45	21 49	9 57		n.a.
M19	3 43	23 16	4 18	4 59	1 5	16 19	6 30	24 34	0 52	19 39	0 12	14 53	1 49	23 14	0 35	6 14	1 51	31 50	9 27	21 44	21 48	9 54		n.a.
T 20	3 19	19 24	4 49	4 13	0 59	16 30	6 35	24 34	0 54	19 41	0 12	14 51	1 50	23 14	0 35	6 15	1 51	31 50	9 26	21 42	21 48	9 51		n.a.
W21	2 56	14 12	5 1	3 28	0 53	16 39	6 39	24 34	0 55	19 44	0 11	14 49	1 50	23 14	0 35	6 16	1 51	31 50	9 26	21 41	21 47	9 48		n.a.
T 22	2 32	8 3	4 52	2 42	0 47	16 48	6 43	24 34	0 56	19 46	0 11	14 47	1 50	23 14	0 35	6 16	1 51	31 50	9 26	21 39	21 47	9 45		n.a.
F 23	2 7	1 26	4 21	1 57	0 41	16 56	6 47	24 34	0 57	19 48	0 11	14 44	1 50	23 14	0 35	6 17	1 51	31 50	9 26	21 37	21 46	9 43		n.a.
S 24	1 43	5n12	3 32	1 11	0 34	17 2	6 51	24 34	0 59	19 50	0 11	14 42	1 50	23 14	0 35	6 18	1 51	31 50	9 26	21 36	21 45	9 40		n.a.
S 25	1 19	11 24	2 31	0 26	0 28	17 7	6 54	24 33	1 0	19 53	0 11	14 40	1 50	23 14	0 35	6 18	1 51	31 50	9 26	21 35	21 45	9 37		n.a.
M26	0 55	16 48	1 21	0s19	0 21	17 12	6 56	24 33	1 1	19 55	0 11	14 38	1 50	23 14	0 35	6 19	1 51	31 49	9 25	21 34	21 44	9 34		n.a.
T 27	0 31	21 8	0 8	1 4	0 15	17 14	6 58	24 32	1 2	19 57	0 11	14 36	1 50	23 14	0 35	6 19	1 51	31 49	9 25	21 34	21 44	9 31		n.a.
W28	0 7	24 12	1n 2	1 49	0 8	17 16	7 0	24 32	1 4	20 0	0 10	14 33	1 51	23 14	0 35	6 20	1 51	31 49	9 25	21 34	21 43	9 29		n.a.
T 29	0s18	25 52	2 7	2 33	0 2	17 16	7 1	24 31	1 5	20 2	0 10	14 31	1 51	23 14	0 35	6 21	1 51	31 49	9 25	21 34	21 43	9 26		n.a.
F 30	0s42	26n 9	3n 4	3s17	0s 5	17s15	7s 2	24n30	1n 6	20s 5	0n10	14n29	1n51	23s14	0s35	6s21	1s51	31s49	9s25	21n34	21n42	9n23		n.a.

Julian Day Number = 1562052.5, Delta T = 04h23m30s
Ecliptic obliquity = 23°44'57, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'54, Lahiri = - 9°58'53 Julian Calendar 1 Sept. 437 BCE == Greg. Calendar 27 Aug. 437 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

OCTOBER 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 17 48	2♎44'02	25♋21	9♎35	27°R22	10♋ 2	29♏23	26♌52	17°R 1	18°R20	18°R10	5°R50	6♊37	18♍14	n.a.	S 1
S 2	0 21 44	3°44'20	7♌26	11°10	27♎12	10°31	29°34	26°59	17°D 1	18♓18	18♑10	5♊44	6°34	18°21	n.a.	S 2
M 3	0 25 41	4°44'39	19°23	12°44	27° 0	10°59	29°44	27° 5	17♑ 1	18°17	18°10	5°37	6°30	18°28	n.a.	M 3
T 4	0 29 38	5°45'00	1♍16	14°18	26°46	11°28	29°55	27°11	17° 1	18°15	18°10	5°27	6°27	18°34	n.a.	T 4
W 5	0 33 34	6°45'23	13° 8	15°51	26°29	11°56	0♐ 6	27°18	17° 1	18°13	18°10	5°15	6°24	18°41	n.a.	W 5
T 6	0 37 31	7°45'48	25° 0	17°24	26° 9	12°24	0°17	27°24	17° 1	18°12	18°10	5° 3	6°21	18°48	n.a.	T 6
F 7	0 41 27	8°46'15	6♎54	18°56	25°48	12°52	0°28	27°30	17° 1	18°10	18°D10	4°52	6°18	18°55	n.a.	F 7
S 8	0 45 24	9°46'43	18°52	20°29	25°24	13°19	0°39	27°36	17° 2	18° 9	18°10	4°42	6°14	19° 1	n.a.	S 8
S 9	0 49 20	10°47'14	0♏54	22° 0	24°59	13°46	0°50	27°42	17° 2	18° 7	18°10	4°35	6°11	19° 8	n.a.	S 9
M10	0 53 17	11°47'46	13° 3	23°32	24°31	14°13	1° 1	27°48	17° 3	18° 6	18°10	4°30	6° 8	19°15	n.a.	M10
T 11	0 57 13	12°48'19	25°21	25° 3	24° 2	14°40	1°13	27°54	17° 3	18° 4	18°10	4°27	6° 5	19°22	n.a.	T 11
W12	1 1 10	13°48'54	7♐49	26°34	23°31	15° 7	1°24	28° 0	17° 3	18° 3	18°10	4°D27	6° 2	19°28	n.a.	W12
T 13	1 5 6	14°49'31	20°32	28° 4	22°59	15°33	1°36	28° 6	17° 4	18° 1	18°10	4°28	5°59	19°35	n.a.	T 13
F 14	1 9 3	15°50'09	3♑32	29°34	22°25	15°59	1°47	28°12	17° 5	18° 0	18°10	4°29	5°55	19°42	n.a.	F 14
S 15	1 13 0	16°50'48	16°53	1♏ 4	21°50	16°24	1°59	28°17	17° 5	17°58	18°11	4°R29	5°52	19°48	n.a.	S 15
S 16	1 16 56	17°51'29	0♒37	2°33	21°15	16°50	2°11	28°23	17° 6	17°57	18°11	4°29	5°49	19°55	n.a.	S 16
M17	1 20 53	18°52'11	14°46	4° 2	20°39	17°15	2°23	28°29	17° 7	17°56	18°11	4°26	5°46	20° 2	n.a.	M17
T 18	1 24 49	19°52'54	29°18	5°31	20° 2	17°40	2°35	28°34	17° 7	17°54	18°11	4°21	5°43	20° 9	n.a.	T 18
W19	1 28 46	20°53'38	14♓10	6°59	19°26	18° 4	2°47	28°39	17° 8	17°53	18°12	4°15	5°40	20°15	n.a.	W19
T 20	1 32 42	21°54'23	29°15	8°26	18°49	18°28	2°59	28°45	17° 9	17°51	18°12	4° 8	5°36	20°22	n.a.	T 20
F 21	1 36 39	22°55'10	14♈22	9°53	18°14	18°52	3°11	28°50	17°10	17°50	18°12	4° 2	5°33	20°29	n.a.	F 21
S 22	1 40 35	23°55'58	29°24	11°20	17°39	19°16	3°23	28°55	17°11	17°49	18°13	3°57	5°30	20°35	n.a.	S 22
S 23	1 44 32	24°56'47	14♉ 9	12°46	17° 4	19°39	3°35	29° 1	17°12	17°48	18°13	3°53	5°27	20°42	n.a.	S 23
M24	1 48 29	25°57'38	28°31	14°10	16°31	20° 2	3°48	29° 6	17°13	17°46	18°14	3°D52	5°24	20°49	n.a.	M24
T 25	1 52 25	26°58'31	12♊27	15°35	16° 0	20°24	4° 0	29°11	17°14	17°45	18°14	3°52	5°20	20°56	n.a.	T 25
W26	1 56 22	27°59'25	25°55	16°58	15°30	20°47	4°13	29°16	17°16	17°44	18°15	3°53	5°17	21° 2	n.a.	W26
T 27	2 0 18	29° 0'20	8♋57	18°19	15° 2	21° 9	4°25	29°21	17°17	17°43	18°15	3°55	5°14	21° 9	n.a.	T 27
F 28	2 4 15	0♏ 1'17	21°36	19°40	14°35	21°30	4°38	29°25	17°18	17°42	18°16	3°56	5°11	21°16	n.a.	F 28
S 29	2 8 11	1° 2'15	3♌56	20°59	14°11	21°51	4°51	29°30	17°20	17°40	18°16	3°R57	5° 8	21°22	n.a.	S 29
S 30	2 12 8	2° 3'15	16° 2	22°16	13°49	22°12	5° 4	29°35	17°21	17°39	18°17	3°55	5° 5	21°29	n.a.	S 30
M31	2 16 4	3♏ 4'16	27♌59	23♏32	13♎29	22♋33	5♐16	29♌39	17♑22	17♓38	18♑18	3♊53	5♊ 1	21♍36	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s 6	25n 8	3n52	4s 1	0s12	17s12	7s 2	24n29	1n 8	20s 7	0n10	14n27	1n51	23s14	0s35	6s22	1s51	31s49	9s24	21n33	21n42	9n20		n.a.
S 2	1 30	22 57	4 28	4 45	0 18	17 8	7 2	24 28	1 9	20 9	0 10	14 25	1 51	23 14	0 35	6 23	1 51	31 49	9 24	21 32	21 41	9 17		n.a.
M 3	1 55	19 48	4 52	5 28	0 25	17 3	7 0	24 27	1 10	20 12	0 10	14 23	1 51	23 14	0 35	6 23	1 51	31 48	9 24	21 31	21 41	9 14		n.a.
T 4	2 19	15 52	5 3	6 11	0 31	16 56	6 59	24 26	1 12	20 14	0 10	14 21	1 52	23 14	0 35	6 24	1 51	31 48	9 24	21 29	21 40	9 12		n.a.
W 5	2 43	11 19	5 1	6 54	0 38	16 47	6 56	24 25	1 13	20 17	0 9	14 19	1 52	23 14	0 35	6 25	1 51	31 48	9 24	21 27	21 39	9 9		n.a.
T 6	3 7	6 22	4 46	7 36	0 44	16 37	6 53	24 24	1 15	20 19	0 9	14 17	1 52	23 14	0 35	6 25	1 51	31 48	9 24	21 25	21 39	9 6		n.a.
F 7	3 31	1 10	4 18	8 17	0 51	16 26	6 49	24 23	1 16	20 22	0 9	14 15	1 52	23 14	0 35	6 26	1 51	31 48	9 23	21 23	21 38	9 3		n.a.
S 8	3 55	4s 7	3 39	8 59	0 57	16 12	6 45	24 21	1 17	20 24	0 9	14 13	1 52	23 14	0 35	6 26	1 51	31 47	9 23	21 21	21 38	9 0		n.a.
S 9	4 19	9 17	2 50	9 39	1 3	15 58	6 39	24 20	1 19	20 27	0 9	14 11	1 52	23 13	0 35	6 27	1 51	31 47	9 23	21 20	21 37	8 57		n.a.
M10	4 43	14 11	1 52	10 20	1 9	15 42	6 33	24 19	1 20	20 29	0 9	14 9	1 53	23 13	0 35	6 28	1 51	31 47	9 23	21 19	21 37	8 54		n.a.
T 11	5 7	18 34	0 49	10 59	1 15	15 24	6 26	24 17	1 22	20 32	0 9	14 7	1 53	23 13	0 35	6 28	1 51	31 47	9 23	21 18	21 36	8 52		n.a.
W12	5 31	22 12	0s18	11 38	1 21	15 5	6 19	24 16	1 23	20 34	0 9	14 5	1 53	23 13	0 35	6 29	1 51	31 47	9 22	21 18	21 36	8 49		n.a.
T 13	5 55	24 50	1 26	12 17	1 27	14 45	6 10	24 14	1 25	20 37	0 8	14 3	1 53	23 13	0 35	6 29	1 51	31 46	9 22	21 18	21 35	8 46		n.a.
F 14	6 19	26 12	2 30	12 54	1 33	14 24	6 1	24 13	1 26	20 39	0 8	14 1	1 53	23 13	0 35	6 30	1 50	31 46	9 22	21 19	21 34	8 43		n.a.
S 15	6 42	26 7	3 29	13 32	1 38	14 1	5 51	24 11	1 28	20 42	0 8	14 0	1 54	23 13	0 35	6 30	1 50	31 46	9 22	21 19	21 34	8 40		n.a.
S 16	7 6	24 27	4 17	14 8	1 43	13 38	5 40	24 9	1 30	20 44	0 8	13 58	1 54	23 13	0 35	6 31	1 50	31 46	9 22	21 19	21 33	8 37		n.a.
M17	7 29	21 14	4 51	14 44	1 49	13 13	5 29	24 8	1 31	20 47	0 8	13 56	1 54	23 13	0 35	6 31	1 50	31 46	9 21	21 18	21 33	8 34		n.a.
T 18	7 52	16 39	5 7	15 19	1 53	12 48	5 16	24 6	1 33	20 49	0 8	13 54	1 54	23 13	0 35	6 32	1 50	31 45	9 21	21 17	21 32	8 31		n.a.
W19	8 15	10 58	5 4	15 53	1 58	12 22	5 4	24 4	1 34	20 52	0 8	13 53	1 54	23 12	0 35	6 32	1 50	31 45	9 21	21 16	21 32	8 28		n.a.
T 20	8 39	4 34	4 40	16 26	2 2	11 56	4 50	24 2	1 36	20 54	0 8	13 51	1 55	23 12	0 35	6 33	1 50	31 45	9 21	21 15	21 31	8 26		n.a.
F 21	9 1	2n 7	3 56	16 58	2 6	11 29	4 36	24 1	1 38	20 57	0 7	13 49	1 55	23 12	0 35	6 33	1 50	31 45	9 21	21 14	21 30	8 23		n.a.
S 22	9 24	8 40	2 56	17 29	2 10	11 2	4 22	23 59	1 39	20 59	0 7	13 47	1 55	23 12	0 35	6 34	1 50	31 44	9 21	21 13	21 30	8 20		n.a.
S 23	9 47	14 37	1 45	17 59	2 14	10 35	4 8	23 57	1 41	21 2	0 7	13 46	1 55	23 12	0 35	6 34	1 50	31 44	9 20	21 12	21 29	8 17		n.a.
M24	10 9	19 37	0 29	18 28	2 17	10 9	3 53	23 55	1 43	21 4	0 7	13 44	1 55	23 12	0 35	6 35	1 50	31 44	9 20	21 12	21 29	8 14		n.a.
T 25	10 32	23 21	0n47	18 56	2 20	9 42	3 37	23 54	1 44	21 7	0 7	13 43	1 56	23 11	0 34	6 35	1 50	31 44	9 20	21 12	21 28	8 11		n.a.
W26	10 54	25 38	1 57	19 23	2 22	9 16	3 22	23 52	1 46	21 9	0 7	13 41	1 56	23 11	0 34	6 36	1 50	31 43	9 20	21 12	21 28	8 8		n.a.
T 27	11 16	26 26	3 0	19 48	2 24	8 51	3 6	23 50	1 48	21 11	0 7	13 40	1 56	23 11	0 34	6 36	1 50	31 43	9 20	21 12	21 27	8 5		n.a.
F 28	11 37	25 48	3 51	20 12	2 25	8 26	2 51	23 49	1 50	21 14	0 7	13 38	1 56	23 11	0 34	6 37	1 50	31 43	9 19	21 13	21 26	8 2		n.a.
S 29	11 59	23 54	4 31	20 35	2 26	8 2	2 35	23 47	1 51	21 16	0 6	13 37	1 57	23 11	0 34	6 37	1 50	31 43	9 19	21 13	21 26	7 59		n.a.
S 30	12 20	20 57	4 57	20 56	2 27	7 40	2 20	23 45	1 53	21 19	0 6	13 35	1 57	23 11	0 34	6 37	1 50	31 42	9 19	21 12	21 25	7 57		n.a.
M31	12s42	17n10	5n11	21s15	2s26	7s18	2s 4	23n44	1n55	21s21	0n 6	13n34	1n57	23s10	0s34	6s38	1s50	31s42	9s19	21n12	21n25	7n54		n.a.

Julian Day Number = 1562082.5, Delta T = 04h23m29s
Ecliptic obliquity = 23°44'57, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'50, Lahiri = - 9°58'49 Julian Calendar 1 Oct. 437 BCE == Greg. Calendar 26 Sept. 437 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

NOVEMBER 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 20 1	4♏ 5'19	9♍51	24♏45	13°R12	22♋53	5♐29	29♌44	17♉24	17°R37	18♉18	3°R49	4♊58	21♍43	n.a.	T 1
W 2	2 23 58	5° 6'22	21°42	25°55	12♎57	23°12	5°42	29°48	17°25	17♓36	18°19	3♊44	4°55	21°49	n.a.	W 2
T 3	2 27 54	6° 7'27	3♎35	27° 3	12°44	23°31	5°55	29°53	17°27	17°35	18°20	3°39	4°52	21°56	n.a.	T 3
F 4	2 31 51	7° 8'33	15°33	28° 6	12°34	23°50	6° 8	29°57	17°29	17°34	18°20	3°34	4°49	22° 3	n.a.	F 4
S 5	2 35 47	8° 9'40	27°38	29° 6	12°27	24° 8	6°21	0♍ 1	17°30	17°33	18°21	3°30	4°46	22° 9	n.a.	S 5
S 6	2 39 44	9°10'48	9♏52	0♐ 1	12°21	24°26	6°35	0° 5	17°32	17°32	18°22	3°26	4°42	22°16	n.a.	S 6
M 7	2 43 40	10°11'57	22°16	0°51	12°19	24°44	6°48	0° 9	17°34	17°31	18°23	3°25	4°39	22°23	n.a.	M 7
T 8	2 47 37	11°13'07	4♐50	1°35	12°D19	25° 1	7° 1	0°13	17°36	17°31	18°24	3°D24	4°36	22°30	n.a.	T 8
W 9	2 51 33	12°14'17	17°36	2°12	12°21	25°17	7°14	0°17	17°37	17°30	18°24	3°25	4°33	22°36	n.a.	W 9
T 10	2 55 30	13°15'28	0♑34	2°42	12°26	25°33	7°28	0°20	17°39	17°29	18°25	3°26	4°30	22°43	n.a.	T 10
F 11	2 59 27	14°16'39	13°46	3° 2	12°33	25°49	7°41	0°24	17°41	17°28	18°26	3°28	4°26	22°50	n.a.	F 11
S 12	3 3 23	15°17'51	27°13	3°14	12°42	26° 4	7°55	0°28	17°43	17°27	18°27	3°29	4°23	22°57	n.a.	S 12
S 13	3 7 20	16°19'03	10♒57	3°R15	12°53	26°18	8° 8	0°31	17°45	17°27	18°28	3°R30	4°20	23° 3	n.a.	S 13
M14	3 11 16	17°20'16	24°56	3° 5	13° 7	26°32	8°22	0°34	17°47	17°26	18°29	3°30	4°17	23°10	n.a.	M14
T 15	3 15 13	18°21'29	9♓11	2°44	13°23	26°46	8°35	0°38	17°50	17°25	18°30	3°29	4°14	23°17	n.a.	T 15
W16	3 19 9	19°22'41	23°40	2°11	13°41	26°59	8°49	0°41	17°52	17°25	18°31	3°27	4°11	23°23	n.a.	W16
T 17	3 23 6	20°23'54	8♈17	1°26	14° 0	27°11	9° 2	0°44	17°54	17°24	18°32	3°26	4° 7	23°30	n.a.	T 17
F 18	3 27 3	21°25'07	22°58	0°31	14°22	27°23	9°16	0°47	17°56	17°24	18°33	3°24	4° 4	23°37	n.a.	F 18
S 19	3 30 59	22°26'21	7♉36	29♏26	14°46	27°34	9°30	0°50	17°58	17°23	18°34	3°23	4° 1	23°44	n.a.	S 19
S 20	3 34 56	23°27'35	22° 4	28°13	15°11	27°45	9°44	0°53	18° 1	17°23	18°35	3°22	3°58	23°50	n.a.	S 20
M21	3 38 52	24°28'49	6♊17	26°55	15°38	27°55	9°57	0°55	18° 3	17°22	18°36	3°D22	3°55	23°57	n.a.	M21
T 22	3 42 49	25°30'04	20° 9	25°33	16° 7	28° 4	10°11	0°58	18° 5	17°22	18°38	3°22	3°51	24° 4	n.a.	T 22
W23	3 46 45	26°31'18	3♋39	24°11	16°38	28°13	10°25	1° 0	18° 8	17°22	18°39	3°23	3°48	24°10	n.a.	W23
T 24	3 50 42	27°32'34	16°45	22°51	17°10	28°21	10°39	1° 3	18°10	17°21	18°40	3°23	3°45	24°17	n.a.	T 24
F 25	3 54 38	28°33'49	29°30	21°36	17°44	28°29	10°53	1° 5	18°13	17°21	18°41	3°24	3°42	24°24	n.a.	F 25
S 26	3 58 35	29°35'05	11♌55	20°28	18°19	28°36	11° 6	1° 7	18°15	17°21	18°42	3°24	3°39	24°31	n.a.	S 26
S 27	4 2 32	0♐36'22	24° 5	19°28	18°55	28°42	11°20	1° 9	18°18	17°20	18°44	3°25	3°36	24°37	n.a.	S 27
M28	4 6 28	1°37'38	6♍ 4	18°38	19°33	28°48	11°34	1°11	18°21	17°20	18°45	3°R25	3°32	24°44	n.a.	M28
T 29	4 10 25	2°38'55	17°56	17°58	20°12	28°53	11°48	1°13	18°23	17°20	18°46	3°25	3°29	24°51	n.a.	T 29
W30	4 14 21	3♐40'12	29♍48	17♏29	20♎52	28♋57	12♐ 2	1♍15	18♉26	17♓20	18♉48	3°D25	3♊26	24♍57	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s 3	12n45	5n11	21s33	2s25	6s57	1s49	23n42	1n57	21s24	0n 6	13n32	1n57	23s10	0s34	6s38	1s50	31s42	9s19	21n11	21n24	7n51		n.a.
W 2	13 23	7 53	4 57	21 49	2 24	6 37	1 34	23 41	1 59	21 26	0 6	13 31	1 57	23 10	0 34	6 39	1 50	31 42	9 19	21 10	21 24	7 48		n.a.
T 3	13 44	2 42	4 31	22 2	2 21	6 18	1 19	23 39	2 1	21 29	0 6	13 30	1 58	23 10	0 34	6 39	1 50	31 41	9 18	21 9	21 23	7 45		n.a.
F 4	14 4	2s37	3 53	22 14	2 18	6 1	1 5	23 38	2 3	21 31	0 6	13 28	1 58	23 9	0 34	6 39	1 50	31 41	9 18	21 8	21 22	7 42		n.a.
S 5	14 25	7 55	3 4	22 23	2 14	5 45	0 51	23 36	2 5	21 33	0 6	13 27	1 58	23 9	0 34	6 40	1 50	31 41	9 18	21 7	21 22	7 39		n.a.
S 6	14 44	12 58	2 6	22 30	2 8	5 30	0 37	23 35	2 7	21 36	0 6	13 26	1 58	23 9	0 34	6 40	1 50	31 40	9 18	21 7	21 21	7 36		n.a.
M 7	15 4	17 35	1 1	22 35	2 2	5 17	0 23	23 34	2 9	21 38	0 5	13 25	1 59	23 9	0 34	6 40	1 50	31 40	9 18	21 7	21 21	7 33		n.a.
T 8	15 23	21 30	0s 8	22 37	1 54	5 5	0 10	23 33	2 11	21 41	0 5	13 23	1 59	23 8	0 34	6 40	1 50	31 40	9 17	21 6	21 20	7 30		n.a.
W 9	15 42	24 27	1 17	22 36	1 46	4 54	0n 3	23 32	2 13	21 43	0 5	13 22	1 59	23 8	0 34	6 41	1 50	31 40	9 17	21 7	21 19	7 27		n.a.
T 10	16 1	26 9	2 24	22 32	1 35	4 44	0 15	23 31	2 15	21 45	0 5	13 21	1 59	23 8	0 34	6 41	1 49	31 39	9 17	21 7	21 19	7 24		n.a.
F 11	16 20	26 25	3 25	22 25	1 24	4 36	0 27	23 30	2 17	21 48	0 5	13 20	2 0	23 8	0 34	6 41	1 49	31 39	9 17	21 7	21 18	7 21		n.a.
S 12	16 38	25 9	4 15	22 14	1 11	4 29	0 39	23 29	2 19	21 50	0 5	13 19	2 0	23 7	0 34	6 42	1 49	31 39	9 17	21 7	21 18	7 18		n.a.
S 13	16 56	22 23	4 52	22 0	0 57	4 24	0 50	23 28	2 21	21 52	0 5	13 18	2 0	23 7	0 34	6 42	1 49	31 38	9 17	21 7	21 17	7 15		n.a.
M14	17 14	18 16	5 12	21 43	0 41	4 19	1 0	23 28	2 23	21 55	0 5	13 17	2 0	23 7	0 34	6 42	1 49	31 38	9 16	21 7	21 16	7 12		n.a.
T 15	17 31	13 4	5 14	21 22	0 24	4 16	1 11	23 27	2 25	21 57	0 4	13 16	2 1	23 6	0 34	6 42	1 49	31 38	9 16	21 7	21 16	7 9		n.a.
W16	17 48	7 5	4 57	20 57	0 5	4 14	1 21	23 27	2 28	21 59	0 4	13 15	2 1	23 6	0 34	6 42	1 49	31 37	9 16	21 7	21 15	7 6		n.a.
T 17	18 5	0 38	4 20	20 29	0n14	4 13	1 30	23 26	2 30	22 1	0 4	13 14	2 1	23 6	0 34	6 43	1 49	31 37	9 16	21 7	21 15	7 4		n.a.
F 18	18 21	5n52	3 25	19 58	0 34	4 13	1 39	23 26	2 32	22 3	0 4	13 14	2 1	23 5	0 34	6 43	1 49	31 37	9 16	21 6	21 14	7 1		n.a.
S 19	18 37	12 3	2 18	19 24	0 54	4 14	1 48	23 26	2 34	22 6	0 4	13 13	2 2	23 5	0 34	6 43	1 49	31 37	9 16	21 6	21 13	6 58		n.a.
S 20	18 53	17 31	1 2	18 48	1 15	4 17	1 56	23 26	2 36	22 8	0 4	13 12	2 2	23 5	0 34	6 43	1 49	31 36	9 16	21 6	21 13	6 55		n.a.
M21	19 8	21 54	0n16	18 12	1 34	4 20	2 4	23 26	2 39	22 10	0 4	13 11	2 2	23 4	0 34	6 43	1 49	31 36	9 15	21 6	21 12	6 52		n.a.
T 22	19 23	24 54	1 32	17 34	1 53	4 24	2 12	23 27	2 41	22 12	0 4	13 11	2 2	23 4	0 34	6 43	1 49	31 36	9 15	21 6	21 12	6 49		n.a.
W23	19 38	26 22	2 40	16 58	2 9	4 29	2 19	23 27	2 43	22 14	0 4	13 10	2 3	23 4	0 34	6 43	1 49	31 35	9 15	21 6	21 11	6 46		n.a.
T 24	19 52	26 17	3 38	16 24	2 24	4 35	2 25	23 28	2 46	22 16	0 4	13 9	2 3	23 3	0 34	6 43	1 49	31 35	9 15	21 6	21 10	6 43		n.a.
F 25	20 6	24 49	4 23	15 52	2 37	4 42	2 32	23 28	2 48	22 19	0 3	13 9	2 3	23 3	0 34	6 43	1 49	31 35	9 15	21 6	21 10	6 40		n.a.
S 26	20 19	22 9	4 55	15 24	2 47	4 50	2 38	23 29	2 51	22 21	0 3	13 8	2 4	23 3	0 34	6 44	1 49	31 34	9 15	21 6	21 9	6 37		n.a.
S 27	20 32	18 34	5 13	15 1	2 55	4 59	2 44	23 30	2 53	22 23	0 3	13 8	2 4	23 2	0 34	6 44	1 49	31 34	9 15	21 7	21 9	6 34		n.a.
M28	20 45	14 18	5 17	14 42	3 1	5 8	2 49	23 32	2 55	22 25	0 3	13 7	2 4	23 2	0 34	6 44	1 49	31 34	9 15	21 7	21 8	6 31		n.a.
T 29	20 58	9 31	5 7	14 27	3 5	5 19	2 54	23 33	2 58	22 27	0 3	13 7	2 4	23 2	0 34	6 44	1 48	31 33	9 14	21 7	21 7	6 28		n.a.
W30	21s 9	4n25	4n44	14s17	3n 6	5s29	2n59	23n34	3n 0	22s29	0n 3	13n 6	2n 5	23s 1	0s34	6s44	1s48	31s33	9s14	21n 7	21n 7	6n25		n.a.

Julian Day Number = 1562113.5, Delta T = 04h23m28s
Ecliptic obliquity = 23°44'57, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'46, Lahiri = - 9°58'45 Julian Calendar 1 Nov. 437 BCE == Greg. Calendar 27 Oct. 437 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 437 BCE
geocentric

DECEMBER 437 BCE (-436) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 18 18	4♐41'29	11♎42	17°R10	21♎34	29♋ 0	12♐16	1♍17	18♑29	17°R20	18♑49	3♊25	3♊23	25♍ 4	n.a.	T 1
F 2	4 22 14	5°42'46	23°44	17°D 1	22°17	29° 3	12°30	1°18	18°31	17♓20	18°50	3°25	3°20	25°11	n.a.	F 2
S 3	4 26 11	6°44'03	5♏55	17♏ 2	23° 0	29° 5	12°44	1°20	18°34	17°D20	18°52	3°25	3°17	25°18	n.a.	S 3
S 4	4 30 7	7°45'21	18°20	17°11	23°45	29° 6	12°58	1°21	18°37	17°20	18°53	3°26	3°13	25°24	n.a.	S 4
M 5	4 34 4	8°46'38	0♐59	17°28	24°31	29°R 7	13°12	1°22	18°40	17°20	18°54	3°R26	3°10	25°31	n.a.	M 5
T 6	4 38 1	9°47'55	13°53	17°52	25°18	29° 7	13°26	1°23	18°43	17°20	18°56	3°26	3° 7	25°38	n.a.	T 6
W 7	4 41 57	10°49'11	27° 2	18°23	26° 5	29° 6	13°40	1°24	18°46	17°20	18°57	3°25	3° 4	25°44	n.a.	W 7
T 8	4 45 54	11°50'27	10♑26	19° 0	26°54	29° 4	13°54	1°25	18°48	17°20	18°59	3°24	3° 1	25°51	n.a.	T 8
F 9	4 49 50	12°51'43	24° 3	19°42	27°43	29° 1	14° 8	1°26	18°51	17°20	19° 0	3°23	2°57	25°58	n.a.	F 9
S 10	4 53 47	13°52'58	7♒50	20°29	28°34	28°58	14°23	1°27	18°54	17°20	19° 2	3°22	2°54	26° 5	n.a.	S 10
S 11	4 57 43	14°54'12	21°47	21°20	29°25	28°54	14°37	1°27	18°57	17°21	19° 3	3°21	2°51	26°11	n.a.	S 11
M12	5 1 40	15°55'25	5♓51	22°15	0♏16	28°49	14°51	1°28	19° 0	17°21	19° 5	3°20	2°48	26°18	n.a.	M12
T 13	5 5 37	16°56'38	20° 0	23°13	1° 9	28°43	15° 5	1°28	19° 4	17°21	19° 6	3°D20	2°45	26°25	n.a.	T 13
W14	5 9 33	17°57'49	4♈12	24°15	2° 2	28°37	15°19	1°28	19° 7	17°22	19° 8	3°20	2°42	26°31	n.a.	W14
T 15	5 13 30	18°58'59	18°25	25°19	2°56	28°29	15°33	1°29	19°10	17°22	19° 9	3°21	2°38	26°38	n.a.	T 15
F 16	5 17 26	20° 0'09	2♉37	26°26	3°50	28°21	15°47	1°R29	19°13	17°22	19°11	3°22	2°35	26°45	n.a.	F 16
S 17	5 21 23	21° 1'17	16°45	27°35	4°45	28°12	16° 1	1°29	19°16	17°23	19°12	3°24	2°32	26°52	n.a.	S 17
S 18	5 25 19	22° 2'25	0♊44	28°46	5°41	28° 2	16°15	1°29	19°19	17°23	19°14	3°R24	2°29	26°58	n.a.	S 18
M19	5 29 16	23° 3'32	14°33	29°59	6°37	27°52	16°29	1°28	19°22	17°24	19°16	3°24	2°26	27° 5	n.a.	M19
T 20	5 33 12	24° 4'38	28° 9	1♐14	7°34	27°41	16°43	1°28	19°26	17°25	19°17	3°22	2°23	27°12	n.a.	T 20
W21	5 37 9	25° 5'43	11♋28	2°30	8°31	27°28	16°57	1°27	19°29	17°25	19°19	3°20	2°19	27°18	n.a.	W21
T 22	5 41 6	26° 6'47	24°29	3°48	9°29	27°16	17°11	1°27	19°32	17°26	19°21	3°16	2°16	27°25	n.a.	T 22
F 23	5 45 2	27° 7'51	7♌12	5° 7	10°28	27° 2	17°25	1°26	19°35	17°26	19°22	3°12	2°13	27°32	n.a.	F 23
S 24	5 48 59	28° 8'53	19°38	6°27	11°27	26°48	17°39	1°25	19°39	17°27	19°24	3° 8	2°10	27°39	n.a.	S 24
S 25	5 52 55	29° 9'55	1♍50	7°48	12°26	26°32	17°53	1°24	19°42	17°28	19°25	3° 5	2° 7	27°45	n.a.	S 25
M26	5 56 52	0♑10'56	13°51	9°11	13°26	26°17	18° 7	1°23	19°45	17°29	19°27	3° 3	2° 3	27°52	n.a.	M26
T 27	6 0 48	1°11'56	25°45	10°34	14°26	26° 0	18°21	1°22	19°49	17°29	19°29	3° 1	2° 0	27°59	n.a.	T 27
W28	6 4 45	2°12'55	7♎36	11°59	15°27	25°43	18°35	1°21	19°52	17°30	19°31	3°D 1	1°57	28° 5	n.a.	W28
T 29	6 8 42	3°13'53	19°30	13°24	16°28	25°25	18°49	1°20	19°55	17°31	19°32	3° 2	1°54	28°12	n.a.	T 29
F 30	6 12 38	4°14'51	1♏31	14°50	17°29	25° 6	19° 2	1°18	19°59	17°32	19°34	3° 4	1°51	28°19	n.a.	F 30
S 31	6 16 35	5♑15'47	13♏45	16♐17	18♏31	24♋47	19♐16	1♍17	20♑ 2	17♓33	19♑36	3♊ 6	1♊48	28♍25	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21 s21	0 s52	4n 9	14 s12	3n 6	5 s41	3n 3	23n36	3n 3	22 s31	0n 3	13n 6	2n 5	23 s 1	0 s34	6 s44	1 s48	31 s33	9 s14	21n 7	21n 6	6n22		n.a.
F 2	21 32	6 11	3 23	14 11	3 5	5 53	3 8	23 38	3 5	22 33	0 3	13 6	2 5	23 0	0 34	6 44	1 48	31 32	9 14	21 7	21 6	6 19		n.a.
S 3	21 43	11 22	2 27	14 14	3 2	6 6	3 12	23 40	3 8	22 35	0 3	13 6	2 5	23 0	0 34	6 44	1 48	31 32	9 14	21 7	21 5	6 16		n.a.
S 4	21 53	16 11	1 23	14 21	2 57	6 19	3 15	23 42	3 10	22 36	0 2	13 5	2 6	23 0	0 34	6 44	1 48	31 32	9 14	21 7	21 4	6 13		n.a.
M 5	22 3	20 24	0 14	14 30	2 52	6 33	3 18	23 45	3 13	22 38	0 2	13 5	2 6	22 59	0 34	6 43	1 48	31 32	9 14	21 7	21 4	6 10		n.a.
T 6	22 12	23 43	0 s58	14 43	2 46	6 47	3 21	23 47	3 15	22 40	0 2	13 5	2 6	22 59	0 34	6 43	1 48	31 31	9 14	21 7	21 3	6 7		n.a.
W 7	22 21	25 50	2 7	14 58	2 40	7 2	3 24	23 50	3 18	22 42	0 2	13 5	2 7	22 58	0 34	6 43	1 48	31 31	9 14	21 7	21 2	6 4		n.a.
T 8	22 30	26 30	3 11	15 15	2 33	7 17	3 27	23 53	3 21	22 44	0 2	13 5	2 7	22 58	0 34	6 43	1 48	31 31	9 13	21 6	21 2	6 1		n.a.
F 9	22 38	25 36	4 5	15 33	2 25	7 33	3 29	23 56	3 23	22 46	0 2	13 5	2 7	22 57	0 34	6 43	1 48	31 30	9 13	21 6	21 1	5 58		n.a.
S 10	22 46	23 8	4 46	15 54	2 17	7 49	3 31	23 59	3 26	22 47	0 2	13 5	2 7	22 57	0 34	6 43	1 48	31 30	9 13	21 6	21 1	5 55		n.a.
S 11	22 53	19 18	5 10	16 15	2 9	8 5	3 33	24 2	3 28	22 49	0 2	13 5	2 8	22 57	0 34	6 43	1 48	31 30	9 13	21 6	21 0	5 52		n.a.
M12	23 0	14 22	5 16	16 37	2 1	8 22	3 35	24 6	3 31	22 51	0 2	13 5	2 8	22 56	0 34	6 43	1 48	31 29	9 13	21 6	20 59	5 49		n.a.
T 13	23 6	8 39	5 3	17 1	1 52	8 39	3 36	24 9	3 33	22 53	0 1	13 5	2 8	22 56	0 34	6 42	1 48	31 29	9 13	21 6	20 59	5 46		n.a.
W14	23 12	2 27	4 32	17 24	1 44	8 56	3 37	24 13	3 36	22 54	0 1	13 5	2 9	22 55	0 34	6 42	1 48	31 29	9 13	21 6	20 58	5 43		n.a.
T 15	23 17	3n52	3 44	17 48	1 35	9 14	3 38	24 17	3 38	22 56	0 1	13 5	2 9	22 55	0 34	6 42	1 48	31 28	9 13	21 6	20 57	5 40		n.a.
F 16	23 22	10 0	2 42	18 13	1 26	9 32	3 39	24 22	3 41	22 58	0 1	13 6	2 9	22 54	0 34	6 42	1 47	31 28	9 13	21 6	20 57	5 36		n.a.
S 17	23 26	15 36	1 31	18 37	1 17	9 50	3 39	24 26	3 43	22 59	0 1	13 6	2 9	22 54	0 34	6 42	1 47	31 28	9 13	21 6	20 56	5 33		n.a.
S 18	23 30	20 20	0 15	19 2	1 9	10 8	3 40	24 30	3 46	23 1	0 1	13 6	2 10	22 53	0 34	6 41	1 47	31 28	9 13	21 6	20 56	5 30		n.a.
M19	23 34	23 51	1n 1	19 26	1 0	10 27	3 40	24 35	3 48	23 2	0 1	13 7	2 10	22 53	0 34	6 41	1 47	31 27	9 13	21 6	20 55	5 27		n.a.
T 20	23 37	25 56	2 12	19 50	0 51	10 45	3 40	24 40	3 51	23 4	0 1	13 7	2 10	22 53	0 34	6 41	1 47	31 27	9 13	21 6	20 54	5 24		n.a.
W21	23 39	26 28	3 14	20 14	0 43	11 4	3 40	24 44	3 53	23 5	0 1	13 7	2 10	22 52	0 34	6 40	1 47	31 27	9 13	21 6	20 54	5 21		n.a.
T 22	23 41	25 31	4 5	20 37	0 34	11 23	3 39	24 49	3 55	23 7	0 0	13 8	2 11	22 52	0 34	6 40	1 47	31 26	9 13	21 5	20 53	5 18		n.a.
F 23	23 43	23 15	4 42	21 0	0 26	11 41	3 39	24 54	3 58	23 8	0 0	13 8	2 11	22 51	0 34	6 40	1 47	31 26	9 13	21 4	20 52	5 15		n.a.
S 24	23 44	19 56	5 5	21 22	0 18	12 0	3 38	24 59	4 0	23 10	0 0	13 9	2 11	22 51	0 34	6 40	1 47	31 26	9 13	21 3	20 52	5 12		n.a.
S 25	23 45	15 49	5 14	21 44	0 10	12 19	3 37	25 5	4 2	23 11	0 0	13 9	2 12	22 50	0 34	6 39	1 47	31 26	9 12	21 3	20 51	5 9		n.a.
M26	23 45	11 9	5 8	22 5	0 2	12 38	3 36	25 10	4 4	23 13	0 0	13 10	2 12	22 50	0 34	6 39	1 47	31 25	9 12	21 2	20 50	5 6		n.a.
T 27	23 45	6 8	4 49	22 25	0 s 6	12 57	3 35	25 15	4 6	23 14	0 s 0	13 11	2 12	22 49	0 34	6 38	1 47	31 25	9 12	21 2	20 50	5 3		n.a.
W28	23 44	0 54	4 18	22 44	0 14	13 16	3 34	25 21	4 9	23 15	0 0	13 11	2 12	22 49	0 34	6 38	1 47	31 25	9 12	21 2	20 49	5 0		n.a.
T 29	23 43	4 s24	3 36	23 3	0 21	13 35	3 32	25 26	4 11	23 16	0 0	13 12	2 13	22 48	0 34	6 38	1 47	31 24	9 12	21 2	20 49	4 57		n.a.
F 30	23 41	9 35	2 44	23 20	0 28	13 54	3 31	25 31	4 12	23 18	0 0	13 13	2 13	22 48	0 34	6 37	1 47	31 24	9 12	21 3	20 48	4 54		n.a.
S 31	23 s39	14 s31	1n44	23 s37	0 s35	14 s13	3n29	25n37	4n14	23 s19	0 s 0	13n14	2n13	22 s47	0 s34	6 s37	1 s47	31 s24	9 s12	21n 3	20n47	4n51		n.a.

Julian Day Number = 1562143.5, Delta T = 04h23m27s
Ecliptic obliquity = 23°44'57, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'41, Lahiri = - 9°58'41 Julian Calendar 1 Dec. 437 BCE == Greg. Calendar 26 Nov. 437 BCE

The year -436 astronomical counting style corresponds to year 437 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

JANUARY 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 20 31	6♑16'42	26♏15	17♐45	19♏33	24°R27	19♐30	1°R15	20♑ 5	17♓34	19♑37	3♊ 7	1♊44	28♍32	n.a.	S 1
M 2	6 24 28	7°17'37	9♐ 5	19°14	20°35	24♋ 7	19°44	1♍13	20° 9	17°35	19°39	3°R 7	1°41	28°39	n.a.	M 2
T 3	6 28 24	8°18'30	22°15	20°44	21°38	23°46	19°58	1°12	20°12	17°36	19°41	3° 5	1°38	28°46	n.a.	T 3
W 4	6 32 21	9°19'22	5♑46	22°15	22°41	23°25	20°11	1°10	20°16	17°37	19°43	3° 2	1°35	28°52	n.a.	W 4
T 5	6 36 17	10°20'13	19°37	23°46	23°44	23° 3	20°25	1° 8	20°19	17°38	19°44	2°57	1°32	28°59	n.a.	T 5
F 6	6 40 14	11°21'02	3♒43	25°18	24°48	22°41	20°39	1° 6	20°22	17°39	19°46	2°51	1°29	29° 6	n.a.	F 6
S 7	6 44 11	12°21'49	18° 0	26°51	25°52	22°18	20°52	1° 3	20°26	17°40	19°48	2°44	1°25	29°12	n.a.	S 7
S 8	6 48 7	13°22'35	2♓22	28°25	26°56	21°56	21° 6	1° 1	20°29	17°42	19°49	2°38	1°22	29°19	n.a.	S 8
M 9	6 52 4	14°23'19	16°44	29°59	28° 1	21°32	21°19	0°59	20°33	17°43	19°51	2°34	1°19	29°26	n.a.	M 9
T 10	6 56 0	15°24'01	1♈ 2	1♑35	29° 5	21° 9	21°33	0°56	20°36	17°44	19°53	2°31	1°16	29°33	n.a.	T 10
W11	6 59 57	16°24'41	15°13	3°11	0♐10	20°45	21°46	0°54	20°40	17°45	19°55	2°D30	1°13	29°39	n.a.	W11
T 12	7 3 53	17°25'20	29°15	4°48	1°15	20°22	22° 0	0°51	20°43	17°47	19°56	2°30	1° 9	29°46	n.a.	T 12
F 13	7 7 50	18°25'56	13♉ 7	6°26	2°21	19°58	22°13	0°48	20°47	17°48	19°58	2°32	1° 6	29°53	n.a.	F 13
S 14	7 11 46	19°26'31	26°49	8° 4	3°26	19°34	22°26	0°45	20°50	17°49	20° 0	2°R33	1° 3	29°59	n.a.	S 14
S 15	7 15 43	20°27'04	10♊22	9°44	4°32	19°10	22°40	0°42	20°54	17°51	20° 2	2°33	1° 0	0♎ 6	n.a.	S 15
M16	7 19 40	21°27'34	23°44	11°24	5°38	18°46	22°53	0°39	20°57	17°52	20° 4	2°30	0°57	0°13	n.a.	M16
T 17	7 23 36	22°28'04	6♋55	13° 6	6°44	18°22	23° 6	0°36	21° 1	17°53	20° 5	2°26	0°54	0°20	n.a.	T 17
W18	7 27 33	23°28'31	19°54	14°48	7°51	17°59	23°19	0°33	21° 4	17°55	20° 7	2°19	0°50	0°26	n.a.	W18
T 19	7 31 29	24°28'56	2♌41	16°31	8°57	17°35	23°32	0°30	21° 8	17°56	20° 9	2°10	0°47	0°33	n.a.	T 19
F 20	7 35 26	25°29'20	15°14	18°15	10° 4	17°12	23°45	0°27	21°11	17°58	20°11	2° 0	0°44	0°40	n.a.	F 20
S 21	7 39 22	26°29'42	27°35	20° 0	11°11	16°49	23°58	0°23	21°14	17°59	20°12	1°50	0°41	0°46	n.a.	S 21
S 22	7 43 19	27°30'02	9♍44	21°47	12°18	16°26	24°11	0°20	21°18	18° 1	20°14	1°40	0°38	0°53	n.a.	S 22
M23	7 47 15	28°30'20	21°44	23°34	13°25	16° 4	24°24	0°16	21°21	18° 3	20°16	1°32	0°35	1° 0	n.a.	M23
T 24	7 51 12	29°30'37	3♎37	25°22	14°33	15°42	24°37	0°13	21°25	18° 4	20°18	1°26	0°31	1° 6	n.a.	T 24
W25	7 55 9	0♒30'52	15°27	27°11	15°40	15°20	24°50	0° 9	21°28	18° 6	20°19	1°22	0°28	1°13	n.a.	W25
T 26	7 59 5	1°31'06	27°19	29° 1	16°48	14°59	25° 2	0° 5	21°32	18° 8	20°21	1°D21	0°25	1°20	n.a.	T 26
F 27	8 3 2	2°31'18	9♏19	0♒52	17°56	14°38	25°15	0° 1	21°35	18° 9	20°23	1°21	0°22	1°27	n.a.	F 27
S 28	8 6 58	3°31'28	21°31	2°44	19° 4	14°18	25°28	29♌57	21°39	18°11	20°24	1°22	0°19	1°33	n.a.	S 28
S 29	8 10 55	4°31'36	4♐ 0	4°37	20°12	13°58	25°40	29°53	21°42	18°13	20°26	1°R22	0°15	1°40	n.a.	S 29
M30	8 14 51	5°31'43	16°52	6°30	21°20	13°39	25°52	29°49	21°45	18°14	20°28	1°21	0°12	1°47	n.a.	M30
T 31	8 18 48	6♒31'48	0♑ 9	8♒25	22♐29	13♋21	26♐ 5	29♌45	21♑49	18♓16	20♑30	1♊17	0♊ 9	1♎53	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s36	18s57	0n37	23s53	0s42	14s31	3n27	25n42	4n16	23s20	0s 1	13n15	2n13	22s47	0s34	6s36	1s47	31s24	9s12	21n 3	20n47	4n48			n.a.
M 2	23 33	22 38	0s32	24 7	0 49	14 50	3 25	25 48	4 18	23 21	0 1	13 15	2 14	22 46	0 34	6 36	1 47	31 23	9 12	21 3	20 46	4 45			n.a.
T 3	23 29	25 13	1 42	24 20	0 55	15 8	3 23	25 53	4 19	23 23	0 1	13 16	2 14	22 46	0 34	6 36	1 47	31 23	9 12	21 3	20 45	4 42			n.a.
W 4	23 25	26 25	2 48	24 32	1 1	15 27	3 21	25 58	4 21	23 24	0 1	13 17	2 14	22 45	0 34	6 35	1 46	31 23	9 12	21 2	20 45	4 38			n.a.
T 5	23 20	26 1	3 46	24 43	1 7	15 45	3 19	26 4	4 23	23 25	0 1	13 18	2 14	22 45	0 34	6 35	1 46	31 23	9 12	21 1	20 44	4 35			n.a.
F 6	23 15	23 57	4 31	24 53	1 13	16 3	3 16	26 9	4 24	23 26	0 1	13 19	2 15	22 44	0 34	6 34	1 46	31 22	9 12	21 0	20 43	4 32			n.a.
S 7	23 10	20 22	4 59	25 1	1 18	16 20	3 14	26 14	4 25	23 27	0 1	13 20	2 15	22 43	0 34	6 34	1 46	31 22	9 12	20 59	20 43	4 29			n.a.
S 8	23 4	15 34	5 9	25 8	1 23	16 38	3 11	26 19	4 26	23 28	0 1	13 21	2 15	22 43	0 34	6 33	1 46	31 22	9 12	20 57	20 42	4 26			n.a.
M 9	22 58	9 54	5 0	25 13	1 28	16 55	3 8	26 24	4 27	23 29	0 1	13 22	2 15	22 42	0 34	6 33	1 46	31 22	9 13	20 57	20 41	4 23			n.a.
T 10	22 51	3 44	4 32	25 17	1 33	17 12	3 6	26 29	4 28	23 30	0 2	13 24	2 16	22 42	0 34	6 32	1 46	31 21	9 13	20 56	20 41	4 20			n.a.
W11	22 44	2n34	3 48	25 20	1 37	17 28	3 3	26 33	4 29	23 31	0 2	13 25	2 16	22 41	0 34	6 31	1 46	31 21	9 13	20 56	20 40	4 17			n.a.
T 12	22 36	8 42	2 50	25 21	1 41	17 45	3 0	26 38	4 30	23 32	0 2	13 26	2 16	22 41	0 34	6 31	1 46	31 21	9 13	20 56	20 39	4 14			n.a.
F 13	22 28	14 20	1 43	25 20	1 45	18 1	2 57	26 42	4 31	23 33	0 2	13 27	2 16	22 40	0 34	6 30	1 46	31 21	9 13	20 56	20 39	4 11			n.a.
S 14	22 19	19 12	0 31	25 18	1 48	18 16	2 54	26 46	4 31	23 34	0 2	13 28	2 17	22 40	0 34	6 30	1 46	31 20	9 13	20 56	20 38	4 8			n.a.
S 15	22 10	22 59	0n42	25 14	1 51	18 32	2 50	26 50	4 32	23 35	0 2	13 30	2 17	22 39	0 34	6 29	1 46	31 20	9 13	20 56	20 37	4 5			n.a.
M16	22 1	25 27	1 52	25 9	1 54	18 47	2 47	26 54	4 32	23 36	0 2	13 31	2 17	22 39	0 34	6 29	1 46	31 20	9 13	20 56	20 37	4 1			n.a.
T 17	21 51	26 28	2 54	25 2	1 56	19 2	2 44	26 58	4 32	23 36	0 2	13 32	2 17	22 38	0 34	6 28	1 46	31 20	9 13	20 55	20 36	3 58			n.a.
W18	21 41	25 59	3 46	24 53	1 58	19 16	2 40	27 1	4 32	23 37	0 2	13 34	2 18	22 38	0 34	6 27	1 46	31 19	9 13	20 54	20 35	3 55			n.a.
T 19	21 30	24 8	4 26	24 42	2 0	19 30	2 37	27 5	4 32	23 38	0 3	13 35	2 18	22 37	0 34	6 27	1 46	31 19	9 13	20 52	20 35	3 52			n.a.
F 20	21 19	21 7	4 52	24 29	2 1	19 43	2 33	27 8	4 32	23 39	0 3	13 36	2 18	22 37	0 34	6 26	1 46	31 19	9 13	20 50	20 34	3 49			n.a.
S 21	21 8	17 13	5 4	24 15	2 2	19 56	2 30	27 10	4 32	23 39	0 3	13 38	2 18	22 36	0 34	6 25	1 46	31 19	9 13	20 48	20 33	3 46			n.a.
S 22	20 56	12 40	5 2	23 58	2 2	20 9	2 26	27 13	4 32	23 40	0 3	13 39	2 18	22 35	0 34	6 25	1 46	31 19	9 13	20 46	20 33	3 43			n.a.
M23	20 44	7 42	4 46	23 40	2 2	20 21	2 22	27 15	4 31	23 41	0 3	13 41	2 19	22 35	0 34	6 24	1 46	31 18	9 13	20 44	20 32	3 40			n.a.
T 24	20 31	2 30	4 19	23 20	2 1	20 33	2 19	27 18	4 31	23 41	0 3	13 42	2 19	22 34	0 34	6 23	1 46	31 18	9 13	20 43	20 31	3 37			n.a.
W25	20 18	2s47	3 40	22 58	2 0	20 44	2 15	27 20	4 30	23 42	0 3	13 44	2 19	22 34	0 34	6 23	1 45	31 18	9 14	20 42	20 31	3 34			n.a.
T 26	20 5	7 59	2 51	22 33	1 59	20 55	2 11	27 21	4 30	23 43	0 3	13 45	2 19	22 33	0 34	6 22	1 45	31 18	9 14	20 42	20 30	3 30			n.a.
F 27	19 51	12 58	1 55	22 7	1 57	21 5	2 7	27 23	4 29	23 43	0 4	13 47	2 19	22 33	0 34	6 21	1 45	31 18	9 14	20 42	20 29	3 27			n.a.
S 28	19 37	17 32	0 52	21 39	1 54	21 15	2 3	27 24	4 28	23 44	0 4	13 48	2 20	22 32	0 34	6 21	1 45	31 18	9 14	20 42	20 29	3 24			n.a.
S 29	19 23	21 27	0s14	21 9	1 51	21 24	1 59	27 26	4 27	23 44	0 4	13 50	2 20	22 32	0 34	6 20	1 45	31 17	9 14	20 42	20 28	3 21			n.a.
M30	19 8	24 27	1 22	20 37	1 47	21 32	1 56	27 27	4 26	23 45	0 4	13 51	2 20	22 31	0 34	6 19	1 45	31 17	9 14	20 42	20 27	3 18			n.a.
T 31	18s53	26s12	2s27	20s 3	1s43	21s41	1n52	27n27	4n25	23s45	0s 4	13n53	2n20	22s31	0s34	6s18	1s45	31s17	9s14	20n41	20n27	3n15			n.a.

Julian Day Number = 1562174.5, Delta T = 04h23m26s
Ecliptic obliquity = 23°44'57, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'37, Lahiri = - 9°58'37 Julian Calendar 1 Jan. 436 BCE == Greg. Calendar 27 Dec. 437 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

FEBRUARY 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 22 44	7♒31'52	13♑53	10♒20	23♐37	13°R 3	26♐17	29°R41	21♑52	18♓18	20♑31	1°R11	0♊ 6	2♎ 0	n.a.	W 1
T 2	8 26 41	8°31'53	28° 2	12°16	24°46	12♋46	26°29	29♌37	21°56	18°20	20°33	1♊ 3	0° 3	2° 7	n.a.	T 2
F 3	8 30 38	9°31'53	12♒32	14°13	25°55	12°29	26°41	29°33	21°59	18°22	20°35	0°52	29♉59	2°14	n.a.	F 3
S 4	8 34 34	10°31'50	27°16	16°10	27° 4	12°13	26°54	29°29	22° 2	18°24	20°36	0°42	29°56	2°20	n.a.	S 4
S 5	8 38 31	11°31'45	12♓ 6	18° 7	28°12	11°58	27° 6	29°24	22° 6	18°25	20°38	0°31	29°53	2°27	n.a.	S 5
M 6	8 42 27	12°31'38	26°54	20° 5	29°22	11°44	27°17	29°20	22° 9	18°27	20°40	0°23	29°50	2°34	n.a.	M 6
T 7	8 46 24	13°31'28	11♈31	22° 2	0♑31	11°30	27°29	29°16	22°12	18°29	20°41	0°17	29°47	2°40	n.a.	T 7
W 8	8 50 20	14°31'16	25°54	23°59	1°40	11°18	27°41	29°11	22°15	18°31	20°43	0°13	29°44	2°47	n.a.	W 8
T 9	8 54 17	15°31'02	9♉59	25°55	2°49	11° 6	27°53	29° 7	22°19	18°33	20°45	0°12	29°41	2°54	n.a.	T 9
F 10	8 58 13	16°30'46	23°46	27°50	3°59	10°54	28° 4	29° 2	22°22	18°35	20°46	0°12	29°37	3° 0	n.a.	F 10
S 11	9 2 10	17°30'27	7♊16	29°44	5° 8	10°44	28°16	28°58	22°25	18°37	20°48	0°12	29°34	3° 7	n.a.	S 11
S 12	9 6 7	18°30'05	20°31	1♓36	6°18	10°34	28°27	28°53	22°28	18°39	20°49	0°11	29°31	3°14	n.a.	S 12
M13	9 10 3	19°29'42	3♋33	3°26	7°27	10°25	28°39	28°49	22°32	18°41	20°51	0° 7	29°28	3°21	n.a.	M13
T 14	9 14 0	20°29'16	16°23	5°13	8°37	10°17	28°50	28°44	22°35	18°43	20°53	0° 0	29°25	3°27	n.a.	T 14
W15	9 17 56	21°28'47	29° 2	6°57	9°47	10°10	29° 1	28°40	22°38	18°45	20°54	29♉51	29°21	3°34	n.a.	W15
T 16	9 21 53	22°28'16	11♌31	8°37	10°57	10° 3	29°12	28°35	22°41	18°47	20°56	29°38	29°18	3°41	n.a.	T 16
F 17	9 25 49	23°27'43	23°51	10°14	12° 6	9°57	29°23	28°30	22°44	18°49	20°57	29°25	29°15	3°47	n.a.	F 17
S 18	9 29 46	24°27'08	6♍ 2	11°46	13°17	9°52	29°34	28°26	22°47	18°51	20°59	29°11	29°12	3°54	n.a.	S 18
S 19	9 33 42	25°26'31	18° 4	13°13	14°27	9°48	29°45	28°21	22°50	18°54	21° 0	28°57	29° 9	4° 1	n.a.	S 19
M20	9 37 39	26°25'52	0♎ 0	14°34	15°37	9°45	29°55	28°16	22°53	18°56	21° 2	28°45	29° 6	4° 7	n.a.	M20
T 21	9 41 36	27°25'10	11°51	15°50	16°47	9°42	0♑ 6	28°12	22°56	18°58	21° 3	28°36	29° 2	4°14	n.a.	T 21
W22	9 45 32	28°24'27	23°40	17° 0	17°57	9°40	0°16	28° 7	22°59	19° 0	21° 5	28°30	28°59	4°21	n.a.	W22
T 23	9 49 29	29°23'42	5♏31	18° 4	19° 8	9°39	0°27	28° 2	23° 2	19° 2	21° 6	28°26	28°56	4°27	n.a.	T 23
F 24	9 53 25	0♓22'54	17°29	19° 1	20°18	9°D39	0°37	27°58	23° 5	19° 4	21° 8	28°25	28°53	4°34	n.a.	F 24
S 25	9 57 22	1°22'05	29°38	19°51	21°28	9°39	0°47	27°53	23° 8	19° 6	21° 9	28°25	28°50	4°41	n.a.	S 25
S 26	10 1 18	2°21'15	12♐ 5	20°34	22°39	9°40	0°57	27°48	23°11	19° 9	21°10	28°25	28°47	4°48	n.a.	S 26
M27	10 5 15	3°20'22	24°53	21°11	23°50	9°42	1° 7	27°44	23°14	19°11	21°12	28°23	28°43	4°54	n.a.	M27
T 28	10 9 11	4♓19'27	8♑ 8	21♓40	25♑ 0	9♋44	1♑17	27♌39	23♑17	19♓13	21♑13	28♉20	28♉40	5♎ 1	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s38	26s26	3s26	19s27	1s38	21s48	1n48	27n28	4n23	23s46	0s 4	13n55	2n20	22s30	0s34	6s18	1s45	31s17	9s14	20n40	20n26	3n12		n.a.
T 2	18 22	24 58	4 14	18 49	1 32	21 55	1 44	27 29	4 22	23 46	0 4	13 56	2 20	22 30	0 34	6 17	1 45	31 17	9 14	20 38	20 25	3 9		n.a.
F 3	18 6	21 50	4 47	18 9	1 26	22 2	1 40	27 29	4 21	23 47	0 4	13 58	2 21	22 29	0 34	6 16	1 45	31 17	9 15	20 36	20 25	3 5		n.a.
S 4	17 49	17 17	5 1	17 27	1 19	22 7	1 36	27 29	4 19	23 47	0 4	14 0	2 21	22 28	0 34	6 15	1 45	31 16	9 15	20 34	20 24	3 2		n.a.
S 5	17 33	11 39	4 56	16 44	1 12	22 13	1 32	27 29	4 18	23 48	0 5	14 1	2 21	22 28	0 34	6 15	1 45	31 16	9 15	20 31	20 23	2 59		n.a.
M 6	17 16	5 23	4 30	15 59	1 4	22 17	1 27	27 29	4 16	23 48	0 5	14 3	2 21	22 27	0 34	6 14	1 45	31 16	9 15	20 30	20 23	2 56		n.a.
T 7	16 59	1n 8	3 48	15 13	0 55	22 21	1 23	27 28	4 15	23 48	0 5	14 5	2 21	22 27	0 34	6 13	1 45	31 16	9 15	20 28	20 22	2 53		n.a.
W 8	16 41	7 29	2 51	14 25	0 46	22 25	1 19	27 28	4 13	23 49	0 5	14 6	2 21	22 26	0 34	6 12	1 45	31 16	9 15	20 28	20 21	2 50		n.a.
T 9	16 23	13 20	1 45	13 36	0 36	22 28	1 15	27 27	4 11	23 49	0 5	14 8	2 21	22 26	0 34	6 11	1 45	31 16	9 15	20 27	20 21	2 47		n.a.
F 10	16 5	18 25	0 34	12 47	0 26	22 30	1 11	27 26	4 10	23 49	0 5	14 10	2 21	22 25	0 34	6 11	1 45	31 16	9 16	20 27	20 20	2 44		n.a.
S 11	15 47	22 25	0n37	11 56	0 14	22 32	1 7	27 25	4 8	23 50	0 5	14 11	2 22	22 25	0 34	6 10	1 45	31 16	9 16	20 27	20 19	2 40		n.a.
S 12	15 29	25 9	1 45	11 5	0 3	22 33	1 3	27 24	4 6	23 50	0 5	14 13	2 22	22 24	0 34	6 9	1 45	31 15	9 16	20 27	20 18	2 37		n.a.
M13	15 10	26 28	2 46	10 14	0n 9	22 33	0 59	27 23	4 4	23 50	0 6	14 15	2 22	22 24	0 34	6 8	1 45	31 15	9 16	20 26	20 18	2 34		n.a.
T 14	14 51	26 20	3 38	9 23	0 21	22 33	0 55	27 22	4 2	23 50	0 6	14 17	2 22	22 23	0 34	6 7	1 45	31 15	9 16	20 25	20 17	2 31		n.a.
W15	14 32	24 49	4 18	8 33	0 34	22 32	0 51	27 21	4 0	23 51	0 6	14 18	2 22	22 23	0 34	6 7	1 45	31 15	9 16	20 23	20 16	2 28		n.a.
T 16	14 12	22 6	4 45	7 43	0 47	22 31	0 47	27 19	3 58	23 51	0 6	14 20	2 22	22 22	0 34	6 6	1 45	31 15	9 17	20 20	20 16	2 25		n.a.
F 17	13 52	18 25	4 58	6 54	1 0	22 28	0 43	27 18	3 56	23 51	0 6	14 22	2 22	22 22	0 34	6 5	1 45	31 15	9 17	20 17	20 15	2 22		n.a.
S 18	13 32	14 1	4 57	6 7	1 13	22 26	0 39	27 16	3 54	23 51	0 6	14 23	2 22	22 21	0 34	6 4	1 45	31 15	9 17	20 14	20 14	2 18		n.a.
S 19	13 12	9 6	4 43	5 21	1 27	22 22	0 35	27 15	3 52	23 51	0 6	14 25	2 22	22 21	0 34	6 3	1 45	31 15	9 17	20 11	20 14	2 15		n.a.
M20	12 52	3 55	4 17	4 37	1 40	22 18	0 31	27 13	3 50	23 51	0 6	14 27	2 22	22 20	0 34	6 2	1 45	31 15	9 17	20 8	20 13	2 12		n.a.
T 21	12 31	1s23	3 39	3 56	1 52	22 13	0 28	27 11	3 48	23 52	0 7	14 29	2 22	22 20	0 34	6 1	1 45	31 15	9 18	20 6	20 12	2 9		n.a.
W22	12 11	6 38	2 52	3 17	2 5	22 8	0 24	27 9	3 46	23 52	0 7	14 30	2 23	22 19	0 34	6 1	1 45	31 15	9 18	20 5	20 12	2 6		n.a.
T 23	11 50	11 41	1 58	2 41	2 17	22 2	0 20	27 7	3 44	23 52	0 7	14 32	2 23	22 19	0 34	6 0	1 45	31 15	9 18	20 4	20 11	2 3		n.a.
F 24	11 29	16 21	0 58	2 8	2 28	21 56	0 16	27 5	3 42	23 52	0 7	14 34	2 23	22 18	0 34	5 59	1 45	31 15	9 18	20 4	20 10	2 0		n.a.
S 25	11 8	20 26	0s 6	1 38	2 39	21 48	0 12	27 3	3 40	23 52	0 7	14 35	2 23	22 18	0 34	5 58	1 45	31 15	9 18	20 4	20 9	1 56		n.a.
S 26	10 46	23 43	1 12	1 12	2 49	21 41	0 9	27 1	3 38	23 52	0 7	14 37	2 23	22 17	0 34	5 57	1 45	31 15	9 19	20 4	20 9	1 53		n.a.
M27	10 25	25 54	2 15	0 49	2 58	21 32	0 5	26 59	3 36	23 52	0 7	14 39	2 23	22 17	0 34	5 56	1 45	31 15	9 19	20 4	20 8	1 50		n.a.
T 28	10s 3	26s43	3s13	0s30	3n 6	21s23	0n 1	26n56	3n34	23s52	0s 8	14n40	2n23	22s16	0s34	5s55	1s45	31s15	9s19	20n 3	20n 7	1n47		n.a.

Julian Day Number = 1562205.5, Delta T = 04h23m24s
Ecliptic obliquity = 23°44'57, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'33, Lahiri = - 9°58'33 Julian Calendar 1 Feb. 436 BCE == Greg. Calendar 27 Jan. 436 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

MARCH 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 13 8	5♓18'31	21♉52	22♓ 1	26♉11	9♋48	1♉27	27°R35	23♉20	19♓15	21♉14	28°R14	28♌37	5♎ 8	n.a.	W 1
T 2	10 17 4	6°17'32	6♒ 6	22°16	27°22	9°52	1°36	27♏30	23°22	19°17	21°16	28♌ 6	28°34	5°14	n.a.	T 2
F 3	10 21 1	7°16'32	20°46	22°23	28°32	9°56	1°46	27°25	23°25	19°20	21°17	27°55	28°31	5°21	n.a.	F 3
S 4	10 24 58	8°15'29	5♓45	22°R24	29°43	10° 1	1°55	27°21	23°28	19°22	21°18	27°44	28°27	5°28	n.a.	S 4
S 5	10 28 54	9°14'25	20°54	22°17	0♒54	10° 7	2° 5	27°16	23°31	19°24	21°20	27°33	28°24	5°34	n.a.	S 5
M 6	10 32 51	10°13'18	6♈ 3	22° 4	2° 5	10°14	2°14	27°12	23°33	19°26	21°21	27°24	28°21	5°41	n.a.	M 6
T 7	10 36 47	11°12'08	21° 2	21°46	3°16	10°21	2°23	27° 7	23°36	19°29	21°22	27°18	28°18	5°48	n.a.	T 7
W 8	10 40 44	12°10'57	5♉43	21°21	4°27	10°29	2°32	27° 3	23°38	19°31	21°23	27°14	28°15	5°55	n.a.	W 8
T 9	10 44 40	13° 9'43	20° 1	20°52	5°38	10°37	2°40	26°59	23°41	19°33	21°25	27°12	28°12	6° 1	n.a.	T 9
F 10	10 48 37	14° 8'27	3♊55	20°18	6°49	10°46	2°49	26°54	23°43	19°35	21°26	27°D12	28° 8	6° 8	n.a.	F 10
S 11	10 52 33	15° 7'08	17°26	19°40	8° 0	10°56	2°57	26°50	23°46	19°38	21°27	27°R12	28° 5	6°15	n.a.	S 11
S 12	10 56 30	16° 5'47	0♋35	19° 0	9°11	11° 6	3° 6	26°46	23°48	19°40	21°28	27°11	28° 2	6°21	n.a.	S 12
M13	11 0 27	17° 4'24	13°27	18°17	10°22	11°17	3°14	26°41	23°51	19°42	21°29	27° 9	27°59	6°28	n.a.	M13
T 14	11 4 23	18° 2'59	26° 4	17°34	11°34	11°29	3°22	26°37	23°53	19°44	21°30	27° 3	27°56	6°35	n.a.	T 14
W15	11 8 20	19° 1'31	8♌30	16°49	12°45	11°41	3°30	26°33	23°55	19°47	21°31	26°55	27°53	6°41	n.a.	W15
T 16	11 12 16	20° 0'01	20°45	16° 5	13°56	11°53	3°38	26°29	23°58	19°49	21°32	26°45	27°49	6°48	n.a.	T 16
F 17	11 16 13	20°58'28	2♍52	15°23	15° 8	12° 6	3°46	26°25	24° 0	19°51	21°34	26°33	27°46	6°55	n.a.	F 17
S 18	11 20 9	21°56'54	14°53	14°42	16°19	12°20	3°53	26°21	24° 2	19°53	21°35	26°21	27°43	7° 1	n.a.	S 18
S 19	11 24 6	22°55'18	26°49	14° 4	17°30	12°34	4° 1	26°17	24° 4	19°56	21°36	26° 9	27°40	7° 8	n.a.	S 19
M20	11 28 2	23°53'39	8♎40	13°29	18°42	12°48	4° 8	26°13	24° 7	19°58	21°37	25°59	27°37	7°15	n.a.	M20
T 21	11 31 59	24°51'59	20°30	12°57	19°53	13° 3	4°15	26° 9	24° 9	20° 0	21°37	25°51	27°33	7°22	n.a.	T 21
W22	11 35 55	25°50'17	2♏20	12°30	21° 5	13°18	4°22	26° 6	24°11	20° 2	21°38	25°46	27°30	7°28	n.a.	W22
T 23	11 39 52	26°48'33	14°13	12° 7	22°16	13°34	4°29	26° 2	24°13	20° 5	21°39	25°43	27°27	7°35	n.a.	T 23
F 24	11 43 49	27°46'48	26°12	11°48	23°28	13°51	4°35	25°58	24°15	20° 7	21°40	25°D42	27°24	7°42	n.a.	F 24
S 25	11 47 45	28°45'01	8♐23	11°35	24°39	14° 7	4°42	25°55	24°17	20° 9	21°41	25°43	27°21	7°48	n.a.	S 25
S 26	11 51 42	29°43'12	20°48	11°26	25°51	14°25	4°48	25°51	24°19	20°11	21°42	25°44	27°18	7°55	n.a.	S 26
M27	11 55 38	0♈41'22	3♑34	11°D22	27° 2	14°42	4°55	25°48	24°20	20°14	21°43	25°R44	27°14	8° 2	n.a.	M27
T 28	11 59 35	1°39'30	16°44	11°23	28°14	15° 0	5° 1	25°45	24°22	20°16	21°44	25°43	27°11	8° 8	n.a.	T 28
W29	12 3 31	2°37'37	0♒22	11°29	29°26	15°19	5° 7	25°41	24°24	20°18	21°44	25°40	27° 8	8°15	n.a.	W29
T 30	12 7 28	3°35'42	14°29	11°40	0♓38	15°38	5°12	25°38	24°26	20°20	21°45	25°35	27° 5	8°22	n.a.	T 30
F 31	12 11 24	4♈33'45	29♒ 4	11♓56	1♓49	15♋57	5♉18	25♏35	24♉27	20♓23	21♉46	25♌28	27♌ 2	8♎28	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s41	25s56	4s 3	0s15	3n14	21s13	0s 2	26n54	3n32	23s52	0s 8	14n42	2n23	22s16	0s34	5s54	1s45	31s15	9s19	20n 1	20n 7	1n44		n.a.
T 2	9 19	23 29	4 39	0 4	3 20	21 3	0 6	26 52	3 29	23 52	0 8	14 44	2 23	22 16	0 34	5 54	1 45	31 15	9 19	20 0	20 6	1 41		n.a.
F 3	8 57	19 28	4 58	0n 4	3 24	20 52	0 9	26 49	3 27	23 52	0 8	14 45	2 23	22 15	0 34	5 53	1 45	31 15	9 20	19 57	20 5	1 37		n.a.
S 4	8 35	14 7	4 58	0 7	3 28	20 41	0 13	26 47	3 25	23 52	0 8	14 47	2 23	22 15	0 34	5 52	1 45	31 15	9 20	19 55	20 4	1 34		n.a.
S 5	8 12	7 52	4 36	0 6	3 30	20 29	0 16	26 44	3 23	23 52	0 8	14 48	2 23	22 14	0 34	5 51	1 45	31 15	9 20	19 52	20 4	1 31		n.a.
M 6	7 50	1 10	3 56	0 1	3 30	20 16	0 19	26 42	3 21	23 52	0 8	14 50	2 23	22 14	0 34	5 50	1 45	31 15	9 20	19 50	20 3	1 28		n.a.
T 7	7 27	5n33	2 59	0s 7	3 29	20 3	0 23	26 39	3 19	23 52	0 9	14 52	2 23	22 13	0 34	5 49	1 45	31 15	9 21	19 49	20 2	1 25		n.a.
W 8	7 5	11 51	1 51	0 19	3 26	19 49	0 26	26 36	3 17	23 52	0 9	14 53	2 23	22 13	0 34	5 48	1 45	31 15	9 21	19 48	20 2	1 22		n.a.
T 9	6 42	17 22	0 38	0 35	3 22	19 35	0 29	26 34	3 15	23 52	0 9	14 55	2 23	22 12	0 34	5 47	1 45	31 15	9 21	19 47	20 1	1 18		n.a.
F 10	6 19	21 47	0n36	0 54	3 16	19 20	0 32	26 31	3 13	23 52	0 9	14 56	2 23	22 12	0 34	5 46	1 45	31 15	9 21	19 47	20 0	1 15		n.a.
S 11	5 56	24 53	1 45	1 16	3 8	19 4	0 35	26 28	3 11	23 52	0 9	14 58	2 23	22 12	0 34	5 45	1 45	31 15	9 22	19 47	19 59	1 12		n.a.
S 12	5 33	26 32	2 47	1 40	2 59	18 48	0 38	26 25	3 9	23 52	0 9	14 59	2 23	22 11	0 34	5 45	1 45	31 15	9 22	19 47	19 59	1 9		n.a.
M13	5 10	26 42	3 39	2 6	2 49	18 32	0 41	26 22	3 7	23 52	0 9	15 1	2 23	22 11	0 35	5 44	1 45	31 15	9 22	19 46	19 58	1 6		n.a.
T 14	4 47	25 27	4 20	2 34	2 37	18 15	0 44	26 19	3 5	23 52	0 10	15 2	2 23	22 10	0 35	5 43	1 45	31 15	9 22	19 45	19 57	1 3		n.a.
W15	4 24	22 59	4 47	3 4	2 24	17 57	0 47	26 16	3 3	23 52	0 10	15 3	2 23	22 10	0 35	5 42	1 45	31 15	9 23	19 43	19 57	0 59		n.a.
T 16	4 1	19 30	5 0	3 34	2 10	17 39	0 50	26 13	3 1	23 52	0 10	15 5	2 23	22 10	0 35	5 41	1 45	31 15	9 23	19 41	19 56	0 56		n.a.
F 17	3 37	15 14	5 0	4 4	1 56	17 20	0 52	26 10	2 59	23 52	0 10	15 6	2 23	22 9	0 35	5 40	1 45	31 15	9 23	19 38	19 55	0 53		n.a.
S 18	3 14	10 25	4 47	4 34	1 40	17 1	0 55	26 7	2 57	23 52	0 10	15 7	2 22	22 9	0 35	5 39	1 45	31 15	9 23	19 35	19 54	0 50		n.a.
S 19	2 51	5 16	4 21	5 3	1 24	16 42	0 58	26 4	2 55	23 52	0 10	15 9	2 22	22 9	0 35	5 38	1 45	31 15	9 24	19 32	19 54	0 47		n.a.
M20	2 27	0s 4	3 43	5 32	1 8	16 22	1 0	26 0	2 54	23 52	0 11	15 10	2 22	22 8	0 35	5 37	1 45	31 15	9 24	19 30	19 53	0 43		n.a.
T 21	2 4	5 23	2 56	5 59	0 52	16 2	1 2	25 57	2 52	23 51	0 11	15 11	2 22	22 8	0 35	5 36	1 45	31 16	9 24	19 28	19 52	0 40		n.a.
W22	1 40	10 32	2 2	6 25	0 35	15 41	1 5	25 53	2 50	23 51	0 11	15 12	2 22	22 8	0 35	5 36	1 45	31 16	9 25	19 27	19 51	0 37		n.a.
T 23	1 17	15 20	1 1	6 49	0 19	15 19	1 7	25 50	2 48	23 51	0 11	15 14	2 22	22 7	0 35	5 35	1 45	31 16	9 25	19 26	19 51	0 34		n.a.
F 24	0 54	19 36	0s 3	7 11	0 3	14 58	1 9	25 46	2 46	23 51	0 11	15 15	2 22	22 7	0 35	5 34	1 45	31 16	9 25	19 26	19 50	0 31		n.a.
S 25	0 30	23 6	1 7	7 30	0s13	14 36	1 11	25 43	2 44	23 51	0 11	15 16	2 22	22 7	0 35	5 33	1 45	31 16	9 25	19 26	19 49	0 27		n.a.
S 26	0 7	25 36	2 10	7 48	0 28	14 13	1 13	25 39	2 43	23 51	0 11	15 17	2 22	22 6	0 35	5 32	1 45	31 16	9 26	19 26	19 49	0 24		n.a.
M27	0n17	26 51	3 9	8 2	0 42	13 50	1 15	25 35	2 41	23 51	0 12	15 18	2 22	22 6	0 35	5 31	1 45	31 16	9 26	19 26	19 48	0 21		n.a.
T 28	0 40	26 38	3 59	8 15	0 56	13 27	1 17	25 32	2 39	23 51	0 12	15 19	2 22	22 6	0 35	5 30	1 45	31 16	9 26	19 26	19 47	0 18		n.a.
W29	1 3	24 51	4 38	8 25	1 9	13 3	1 19	25 28	2 37	23 51	0 12	15 20	2 22	22 5	0 35	5 29	1 45	31 17	9 26	19 25	19 46	0 15		n.a.
T 30	1 27	21 29	5 1	8 32	1 22	12 39	1 21	25 24	2 36	23 51	0 12	15 21	2 21	22 5	0 35	5 29	1 45	31 17	9 27	19 24	19 46	0 12		n.a.
F 31	1n50	16s43	5s 6	8s37	1s34	12s15	1s23	25n20	2n34	23s51	0s12	15n22	2n21	22s 5	0s35	5s28	1s45	31s17	9s27	19n23	19n45	0n 8		n.a.

Julian Day Number = 1562233.5, Delta T = 04h23m23s
Ecliptic obliquity = 23°44'58, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'29, Lahiri = - 9°58'29 Julian Calendar 1 March 436 BCE == Greg. Calendar 24 Feb. 436 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

APRIL 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 15 21	5♈31'47	14♓ 2	12♓16	3♓ 1	16♋17	5♑23	25°R32	24♑29	20♓25	21♑46	25°R21	26♉58	8♎35	n.a.	S 1
S 2	12 19 18	6°29'47	29°14	12°40	4°13	16°37	5°29	25♌29	24°31	20°27	21°47	25♉13	26°55	8°42	n.a.	S 2
M 3	12 23 14	7°27'46	14♈30	13° 9	5°25	16°57	5°34	25°26	24°32	20°29	21°48	25° 7	26°52	8°49	n.a.	M 3
T 4	12 27 11	8°25'43	29°41	13°42	6°36	17°18	5°39	25°23	24°34	20°31	21°48	25° 3	26°49	8°55	n.a.	T 4
W 5	12 31 7	9°23'38	14♉35	14°19	7°48	17°39	5°43	25°21	24°35	20°34	21°49	25° 0	26°46	9° 2	n.a.	W 5
T 6	12 35 4	10°21'31	29° 7	14°59	9° 0	18° 1	5°48	25°18	24°37	20°36	21°50	25°D 0	26°43	9° 9	n.a.	T 6
F 7	12 39 0	11°19'23	13♊12	15°44	10°12	18°23	5°52	25°15	24°38	20°38	21°50	25° 1	26°39	9°15	n.a.	F 7
S 8	12 42 57	12°17'13	26°51	16°32	11°24	18°45	5°57	25°13	24°39	20°40	21°51	25° 2	26°36	9°22	n.a.	S 8
S 9	12 46 53	13°15'01	10♋ 5	17°23	12°36	19° 7	6° 1	25°11	24°41	20°42	21°51	25°R 3	26°33	9°29	n.a.	S 9
M10	12 50 50	14°12'47	22°57	18°17	13°48	19°30	6° 5	25° 8	24°42	20°44	21°52	25° 3	26°30	9°35	n.a.	M10
T 11	12 54 47	15°10'31	5♌31	19°15	15° 0	19°53	6° 8	25° 6	24°43	20°46	21°52	25° 1	26°27	9°42	n.a.	T 11
W12	12 58 43	16° 8'13	17°49	20°16	16°12	20°17	6°12	25° 4	24°44	20°48	21°53	24°57	26°24	9°49	n.a.	W12
T 13	13 2 40	17° 5'54	29°57	21°20	17°24	20°41	6°15	25° 2	24°45	20°51	21°53	24°52	26°20	9°55	n.a.	T 13
F 14	13 6 36	18° 3'33	11♍56	22°27	18°36	21° 5	6°18	25° 0	24°46	20°53	21°53	24°46	26°17	10° 2	n.a.	F 14
S 15	13 10 33	19° 1'10	23°50	23°36	19°48	21°29	6°21	24°58	24°47	20°55	21°54	24°39	26°14	10° 9	n.a.	S 15
S 16	13 14 29	19°58'46	5♎41	24°48	21° 0	21°54	6°24	24°57	24°48	20°57	21°54	24°33	26°11	10°15	n.a.	S 16
M17	13 18 26	20°56'20	17°32	26° 3	22°12	22°18	6°27	24°55	24°49	20°59	21°54	24°28	26° 8	10°22	n.a.	M17
T 18	13 22 22	21°53'53	29°23	27°21	23°24	22°44	6°29	24°53	24°50	21° 1	21°55	24°24	26° 4	10°29	n.a.	T 18
W19	13 26 19	22°51'25	11♏17	28°41	24°36	23° 9	6°32	24°52	24°51	21° 3	21°55	24°21	26° 1	10°36	n.a.	W19
T 20	13 30 15	23°48'55	23°16	0♐ 3	25°49	23°35	6°34	24°51	24°52	21° 5	21°55	24°D21	25°58	10°42	n.a.	T 20
F 21	13 34 12	24°46'25	5♐23	1°28	27° 1	24° 1	6°36	24°49	24°52	21° 7	21°55	24°21	25°55	10°49	n.a.	F 21
S 22	13 38 9	25°43'53	17°40	2°56	28°13	24°27	6°37	24°48	24°53	21° 9	21°55	24°22	25°52	10°56	n.a.	S 22
S 23	13 42 5	26°41'21	0♑11	4°26	29°25	24°53	6°39	24°47	24°54	21°11	21°55	24°24	25°49	11° 2	n.a.	S 23
M24	13 46 2	27°38'48	13° 0	5°58	0♈37	25°20	6°40	24°46	24°54	21°12	21°56	24°25	25°45	11° 9	n.a.	M24
T 25	13 49 58	28°36'13	26° 9	7°33	1°50	25°47	6°41	24°45	24°55	21°14	21°56	24°R26	25°42	11°16	n.a.	T 25
W26	13 53 55	29°33'38	9♒42	9°10	3° 2	26°14	6°42	24°45	24°55	21°16	21°56	24°26	25°39	11°22	n.a.	W26
T 27	13 57 51	0♉31'02	23°40	10°50	4°14	26°41	6°43	24°44	24°56	21°18	21°56	24°24	25°36	11°29	n.a.	T 27
F 28	14 1 48	1°28'26	8♓ 2	12°32	5°27	27° 9	6°44	24°44	24°56	21°20	21°R56	24°22	25°33	11°36	n.a.	F 28
S 29	14 5 45	2°25'48	22°46	14°16	6°39	27°37	6°44	24°43	24°56	21°22	21°56	24°19	25°29	11°42	n.a.	S 29
S 30	14 9 41	3♉23'10	7♈45	16♈ 2	7♈51	28♋ 5	6♑44	24♌43	24♑57	21♓24	21♑56	24♉17	25♉26	11♎49	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n13	10s49	4s51	8s39	1s45	11s50	1s24	25n15	2n32	23s51	0s12	15n23	2n21	22s 5	0s35	5s27	1s45	31s17	9s27	19n21	19n44	0n 5		n.a.
S 2	2 37	4 12	4 15	8 39	1 55	11 25	1 26	25 11	2 30	23 51	0 13	15 24	2 21	22 4	0 35	5 26	1 45	31 17	9 28	19 19	19 43	0 2		n.a.
M 3	3 0	2n43	3 21	8 37	2 4	11 0	1 27	25 7	2 29	23 51	0 13	15 25	2 21	22 4	0 35	5 25	1 45	31 17	9 28	19 18	19 43	0s 1		n.a.
T 4	3 23	9 26	2 12	8 32	2 13	10 34	1 29	25 3	2 27	23 51	0 13	15 26	2 21	22 4	0 35	5 24	1 45	31 18	9 28	19 16	19 42	0 4		n.a.
W 5	3 46	15 32	0 56	8 25	2 21	10 8	1 30	24 58	2 25	23 51	0 13	15 27	2 21	22 4	0 35	5 23	1 45	31 18	9 29	19 16	19 41	0 8		n.a.
T 6	4 9	20 35	0n22	8 16	2 28	9 42	1 31	24 54	2 24	23 51	0 13	15 27	2 21	22 3	0 35	5 23	1 45	31 18	9 29	19 16	19 40	0 11		n.a.
F 7	4 32	24 17	1 37	8 4	2 34	9 16	1 32	24 49	2 22	23 51	0 13	15 28	2 21	22 3	0 35	5 22	1 45	31 18	9 29	19 16	19 40	0 14		n.a.
S 8	4 55	26 27	2 44	7 50	2 40	8 49	1 33	24 44	2 21	23 51	0 14	15 29	2 20	22 3	0 35	5 21	1 45	31 18	9 29	19 16	19 39	0 17		n.a.
S 9	5 18	27 1	3 40	7 34	2 45	8 22	1 34	24 39	2 19	23 50	0 14	15 30	2 20	22 3	0 35	5 20	1 45	31 19	9 30	19 17	19 38	0 20		n.a.
M10	5 40	26 5	4 23	7 16	2 49	7 55	1 35	24 35	2 17	23 50	0 14	15 30	2 20	22 3	0 35	5 19	1 45	31 19	9 30	19 16	19 37	0 24		n.a.
T 11	6 3	23 51	4 52	6 57	2 52	7 27	1 36	24 30	2 16	23 50	0 14	15 31	2 20	22 2	0 35	5 18	1 45	31 19	9 30	19 16	19 37	0 27		n.a.
W12	6 26	20 33	5 8	6 35	2 55	7 0	1 37	24 24	2 14	23 51	0 14	15 31	2 20	22 2	0 35	5 18	1 45	31 19	9 31	19 15	19 36	0 30		n.a.
T 13	6 48	16 26	5 9	6 11	2 57	6 32	1 38	24 19	2 13	23 51	0 15	15 32	2 20	22 2	0 36	5 17	1 45	31 20	9 31	19 14	19 35	0 33		n.a.
F 14	7 10	11 44	4 56	5 46	2 58	6 4	1 38	24 14	2 11	23 51	0 15	15 32	2 20	22 2	0 36	5 16	1 45	31 20	9 31	19 12	19 34	0 36		n.a.
S 15	7 33	6 37	4 31	5 18	2 59	5 36	1 39	24 9	2 10	23 51	0 15	15 33	2 19	22 2	0 36	5 15	1 45	31 20	9 32	19 11	19 34	0 40		n.a.
S 16	7 55	1 17	3 54	4 49	2 59	5 8	1 39	24 3	2 8	23 51	0 15	15 33	2 19	22 2	0 36	5 14	1 45	31 20	9 32	19 9	19 33	0 43		n.a.
M17	8 17	4s 5	3 7	4 18	2 58	4 39	1 40	23 57	2 7	23 51	0 15	15 34	2 19	22 2	0 36	5 14	1 45	31 21	9 32	19 8	19 32	0 46		n.a.
T 18	8 38	9 20	2 12	3 46	2 57	4 11	1 40	23 52	2 5	23 51	0 15	15 34	2 19	22 1	0 36	5 13	1 45	31 21	9 33	19 7	19 31	0 49		n.a.
W19	9 0	14 17	1 11	3 12	2 54	3 42	1 40	23 46	2 4	23 51	0 16	15 35	2 19	22 1	0 36	5 12	1 45	31 21	9 33	19 6	19 31	0 53		n.a.
T 20	9 22	18 44	0 6	2 36	2 52	3 13	1 40	23 40	2 2	23 51	0 16	15 35	2 19	22 1	0 36	5 11	1 45	31 21	9 33	19 6	19 30	0 56		n.a.
F 21	9 43	22 28	1s 0	1 59	2 48	2 44	1 40	23 34	2 1	23 51	0 16	15 35	2 18	22 1	0 36	5 11	1 45	31 22	9 33	19 6	19 29	0 59		n.a.
S 22	10 4	25 14	2 5	1 20	2 45	2 15	1 40	23 28	1 59	23 51	0 16	15 35	2 18	22 1	0 36	5 10	1 45	31 22	9 34	19 6	19 28	1 2		n.a.
S 23	10 25	26 49	3 4	0 40	2 40	1 46	1 40	23 22	1 58	23 51	0 16	15 36	2 18	22 1	0 36	5 9	1 45	31 22	9 34	19 7	19 28	1 5		n.a.
M24	10 46	27 1	3 56	0n 2	2 35	1 17	1 40	23 15	1 57	23 51	0 17	15 36	2 18	22 1	0 36	5 8	1 45	31 22	9 34	19 7	19 27	1 9		n.a.
T 25	11 7	25 43	4 37	0 45	2 29	0 47	1 40	23 9	1 55	23 51	0 17	15 36	2 18	22 1	0 36	5 8	1 45	31 23	9 35	19 7	19 26	1 12		n.a.
W26	11 28	22 56	5 4	1 29	2 23	0 18	1 40	23 2	1 54	23 52	0 17	15 36	2 18	22 1	0 36	5 7	1 46	31 23	9 35	19 7	19 25	1 15		n.a.
T 27	11 48	18 44	5 14	2 15	2 16	0n11	1 39	22 56	1 52	23 52	0 17	15 36	2 17	22 1	0 36	5 6	1 46	31 23	9 35	19 7	19 24	1 18		n.a.
F 28	12 8	13 23	5 6	3 2	2 9	0 41	1 39	22 49	1 51	23 52	0 17	15 36	2 17	22 1	0 36	5 6	1 46	31 24	9 36	19 6	19 24	1 21		n.a.
S 29	12 28	7 8	4 37	3 50	2 1	1 10	1 38	22 42	1 50	23 52	0 18	15 36	2 17	22 1	0 36	5 5	1 46	31 24	9 36	19 6	19 23	1 25		n.a.
S 30	12n48	0s23	3s49	4n39	1s53	1n40	1s38	22n35	1n48	23s52	0s18	15n36	2n17	22s 1	0s36	5s 4	1s46	31s24	9s36	19n 5	19n22	1s28		n.a.

Julian Day Number = 1562264.5, Delta T = 04h23m22s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'25, Lahiri = - 9°58'25 Julian Calendar 1 Apr. 436 BCE == Greg. Calendar 27 March 436 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

MAY 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 13 38	4♉20'30	22♈52	17♈51	9♈ 4	28♋33	6°R44	24°R42	24♑57	21♓25	21°R56	24°R14	25♉23	11♎56	n.a.	M 1
T 2	14 17 34	5°17'50	7♉58	19°43	10°16	29° 1	6♑44	24♌42	24°57	21°27	21♑56	24♉13	25°20	12° 2	n.a.	T 2
W 3	14 21 31	6°15'09	22°53	21°36	11°29	29°30	6°44	24°D42	24°57	21°29	21°56	24°D12	25°17	12° 9	n.a.	W 3
T 4	14 25 27	7°12'28	7♊30	23°32	12°41	29°59	6°43	24°42	24°57	21°30	21°55	24°13	25°14	12°16	n.a.	T 4
F 5	14 29 24	8° 9'45	21°44	25°30	13°54	0♌28	6°42	24°42	24°R57	21°32	21°55	24°13	25°10	12°22	n.a.	F 5
S 6	14 33 20	9° 7'01	5♋31	27°30	15° 6	0°57	6°41	24°43	24°57	21°34	21°55	24°15	25° 7	12°29	n.a.	S 6
S 7	14 37 17	10° 4'16	18°52	29°32	16°19	1°27	6°40	24°43	24°57	21°36	21°55	24°16	25° 4	12°36	n.a.	S 7
M 8	14 41 14	11° 1'31	1♌49	1♉36	17°31	1°56	6°39	24°44	24°57	21°37	21°55	24°16	25° 1	12°43	n.a.	M 8
T 9	14 45 10	11°58'44	14°24	3°41	18°44	2°26	6°37	24°44	24°57	21°39	21°54	24°R17	24°58	12°49	n.a.	T 9
W10	14 49 7	12°55'56	26°42	5°48	19°56	2°56	6°36	24°45	24°57	21°40	21°54	24°16	24°55	12°56	n.a.	W10
T 11	14 53 3	13°53'07	8♍48	7°57	21° 9	3°27	6°34	24°46	24°56	21°42	21°54	24°15	24°51	13° 3	n.a.	T 11
F 12	14 57 0	14°50'17	20°44	10° 6	22°21	3°57	6°32	24°46	24°56	21°43	21°53	24°14	24°48	13° 9	n.a.	F 12
S 13	15 0 56	15°47'27	2♎35	12°17	23°34	4°28	6°30	24°47	24°56	21°45	21°53	24°13	24°45	13°16	n.a.	S 13
S 14	15 4 53	16°44'36	14°25	14°28	24°47	4°58	6°27	24°48	24°55	21°46	21°53	24°12	24°42	13°23	n.a.	S 14
M15	15 8 49	17°41'44	26°16	16°39	25°59	5°29	6°25	24°50	24°55	21°48	21°52	24°11	24°39	13°29	n.a.	M15
T 16	15 12 46	18°38'51	8♏12	18°51	27°12	6° 0	6°22	24°51	24°54	21°49	21°52	24°11	24°35	13°36	n.a.	T 16
W17	15 16 43	19°35'58	20°13	21° 2	28°25	6°32	6°19	24°52	24°54	21°51	21°51	24°D10	24°32	13°43	n.a.	W17
T 18	15 20 39	20°33'05	2♐23	23°13	29°37	7° 3	6°16	24°54	24°53	21°52	21°51	24°10	24°29	13°49	n.a.	T 18
F 19	15 24 36	21°30'12	14°44	25°23	0♑50	7°35	6°12	24°55	24°53	21°53	21°50	24°11	24°26	13°56	n.a.	F 19
S 20	15 28 32	22°27'18	27°15	27°32	2° 3	8° 6	6° 9	24°57	24°52	21°55	21°50	24°11	24°23	14° 3	n.a.	S 20
S 21	15 32 29	23°24'24	10♑ 0	29°41	3°16	8°38	6° 5	24°58	24°51	21°56	21°49	24°11	24°20	14° 9	n.a.	S 21
M22	15 36 25	24°21'30	23° 1	1♊47	4°29	9°10	6° 1	25° 0	24°51	21°57	21°49	24°R11	24°16	14°16	n.a.	M22
T 23	15 40 22	25°18'36	6♒17	3°53	5°41	9°42	5°57	25° 2	24°50	21°59	21°48	24°11	24°13	14°23	n.a.	T 23
W24	15 44 18	26°15'42	19°51	5°56	6°54	10°15	5°53	25° 4	24°49	22° 0	21°48	24°D11	24°10	14°29	n.a.	W24
T 25	15 48 15	27°12'48	3♓44	7°58	8° 7	10°47	5°49	25° 6	24°48	22° 1	21°47	24°11	24° 7	14°36	n.a.	T 25
F 26	15 52 12	28° 9'54	17°54	9°58	9°20	11°20	5°44	25° 9	24°47	22° 2	21°46	24°11	24° 4	14°43	n.a.	F 26
S 27	15 56 8	29° 7'01	2♈20	11°56	10°33	11°52	5°39	25°11	24°46	22° 3	21°46	24°11	24° 1	14°49	n.a.	S 27
S 28	16 0 5	0♊ 4'07	16°59	13°53	11°46	12°25	5°34	25°13	24°45	22° 4	21°45	24°12	23°57	14°56	n.a.	S 28
M29	16 4 1	1° 1'14	1♉45	15°47	12°59	12°58	5°29	25°16	24°44	22° 5	21°44	24°12	23°54	15° 3	n.a.	M29
T 30	16 7 58	1°58'21	16°32	17°39	14°12	13°32	5°24	25°18	24°43	22° 7	21°43	24°13	23°51	15° 9	n.a.	T 30
W31	16 11 54	2♊55'28	1♊14	19♊29	15♉25	14♌ 5	5♑19	25♌21	24♑42	22♓ 8	21♑43	24°R13	23♉48	15♎16	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	13n 8	6n28	2s44	5n29	1s45	2n 9	1s37	22n28	1n47	23s52	0s18	15n36	2n17	22s 1	0s36	5s 4	1s46	31s25	9s37	19n 4	19n21	1s31		n.a.	M 1
T 2	13 27	12 57	1 28	6 20	1 36	2 39	1 36	22 20	1 46	23 53	0 18	15 36	2 17	22 1	0 36	5 3	1 46	31 25	9 37	19 4	19 21	1 34		n.a.	T 2
W 3	13 47	18 37	0 7	7 12	1 26	3 8	1 36	22 13	1 44	23 53	0 18	15 36	2 16	22 1	0 36	5 2	1 46	31 25	9 37	19 4	19 20	1 38		n.a.	W 3
T 4	14 6	23 3	1n13	8 4	1 16	3 37	1 35	22 6	1 43	23 53	0 19	15 35	2 16	22 1	0 36	5 2	1 46	31 25	9 37	19 4	19 19	1 41		n.a.	T 4
F 5	14 25	25 55	2 26	8 57	1 6	4 7	1 34	21 58	1 42	23 53	0 19	15 35	2 16	22 1	0 36	5 1	1 46	31 26	9 38	19 4	19 18	1 44		n.a.	F 5
S 6	14 43	27 7	3 29	9 51	0 56	4 36	1 33	21 50	1 40	23 54	0 19	15 35	2 16	22 1	0 36	5 0	1 46	31 26	9 38	19 5	19 18	1 47		n.a.	S 6
S 7	15 2	26 40	4 18	10 44	0 45	5 5	1 32	21 42	1 39	23 54	0 19	15 35	2 16	22 1	0 36	5 0	1 46	31 26	9 38	19 5	19 17	1 50		n.a.	S 7
M 8	15 20	24 46	4 53	11 38	0 35	5 34	1 31	21 34	1 38	23 54	0 19	15 34	2 15	22 1	0 36	4 59	1 46	31 27	9 39	19 5	19 16	1 54		n.a.	M 8
T 9	15 38	21 41	5 12	12 32	0 24	6 3	1 30	21 26	1 37	23 54	0 20	15 34	2 15	22 1	0 36	4 59	1 46	31 27	9 39	19 5	19 15	1 57		n.a.	T 9
W10	15 55	17 43	5 16	13 25	0 13	6 32	1 28	21 18	1 35	23 55	0 20	15 34	2 15	22 1	0 36	4 58	1 46	31 27	9 39	19 5	19 14	2 0		n.a.	W10
T 11	16 13	13 6	5 6	14 18	0 2	7 1	1 27	21 10	1 34	23 55	0 20	15 33	2 15	22 1	0 37	4 57	1 46	31 28	9 40	19 5	19 14	2 3		n.a.	T 11
F 12	16 30	8 3	4 43	15 10	0n 8	7 29	1 26	21 1	1 33	23 55	0 20	15 33	2 15	22 1	0 37	4 57	1 46	31 28	9 40	19 4	19 13	2 7		n.a.	F 12
S 13	16 47	2 45	4 8	16 1	0 19	7 58	1 24	20 53	1 32	23 56	0 20	15 32	2 15	22 1	0 37	4 56	1 46	31 29	9 40	19 4	19 12	2 10		n.a.	S 13
S 14	17 3	2s39	3 23	16 51	0 29	8 26	1 23	20 44	1 30	23 56	0 21	15 32	2 14	22 1	0 37	4 56	1 46	31 29	9 40	19 4	19 11	2 13		n.a.	S 14
M15	17 20	7 58	2 29	17 39	0 39	8 54	1 21	20 35	1 29	23 56	0 21	15 31	2 14	22 1	0 37	4 55	1 46	31 29	9 41	19 4	19 11	2 16		n.a.	M15
T 16	17 36	13 3	1 27	18 26	0 49	9 22	1 20	20 26	1 28	23 57	0 21	15 30	2 14	22 2	0 37	4 55	1 46	31 30	9 41	19 4	19 10	2 19		n.a.	T 16
W17	17 52	17 41	0 22	19 11	0 58	9 50	1 18	20 17	1 27	23 57	0 21	15 30	2 14	22 2	0 37	4 54	1 47	31 30	9 41	19 4	19 9	2 23		n.a.	W17
T 18	18 7	21 39	0s45	19 53	1 6	10 17	1 17	20 8	1 26	23 57	0 21	15 29	2 14	22 2	0 37	4 54	1 47	31 30	9 42	19 4	19 8	2 26		n.a.	T 18
F 19	18 22	24 43	1 52	20 34	1 14	10 45	1 15	19 58	1 24	23 58	0 22	15 28	2 13	22 2	0 37	4 53	1 47	31 31	9 42	19 4	19 7	2 29		n.a.	F 19
S 20	18 37	26 37	2 53	21 12	1 22	11 12	1 13	19 49	1 23	23 58	0 22	15 28	2 13	22 2	0 37	4 53	1 47	31 31	9 42	19 4	19 7	2 32		n.a.	S 20
S 21	18 52	27 9	3 48	21 47	1 29	11 39	1 11	19 39	1 22	23 58	0 22	15 27	2 13	22 2	0 37	4 52	1 47	31 31	9 42	19 4	19 6	2 36		n.a.	S 21
M22	19 6	26 13	4 32	22 20	1 35	12 5	1 9	19 30	1 21	23 59	0 22	15 26	2 13	22 2	0 37	4 52	1 47	31 32	9 43	19 4	19 5	2 39		n.a.	M22
T 23	19 20	23 49	5 2	22 51	1 40	12 32	1 8	19 20	1 20	23 59	0 22	15 25	2 13	22 3	0 37	4 51	1 47	31 32	9 43	19 4	19 4	2 42		n.a.	T 23
W24	19 34	20 2	5 16	23 18	1 45	12 58	1 6	19 10	1 19	24 0	0 23	15 24	2 13	22 3	0 37	4 51	1 47	31 33	9 43	19 4	19 3	2 45		n.a.	W24
T 25	19 47	15 7	5 13	23 43	1 49	13 23	1 4	19 0	1 18	24 0	0 23	15 24	2 12	22 3	0 37	4 50	1 47	31 33	9 43	19 4	19 3	2 49		n.a.	T 25
F 26	20 0	9 17	4 51	24 6	1 53	13 49	1 2	18 50	1 16	24 0	0 23	15 23	2 12	22 3	0 37	4 50	1 47	31 33	9 44	19 4	19 2	2 52		n.a.	F 26
S 27	20 13	2 52	4 10	24 25	1 56	14 14	1 0	18 39	1 15	24 1	0 23	15 22	2 12	22 3	0 37	4 50	1 47	31 34	9 44	19 4	19 1	2 55		n.a.	S 27
S 28	20 26	3n48	3 12	24 42	1 58	14 39	0 58	18 29	1 14	24 1	0 23	15 21	2 12	22 4	0 37	4 49	1 47	31 34	9 44	19 4	19 0	2 58		n.a.	S 28
M29	20 38	10 20	2 1	24 57	1 59	15 3	0 55	18 18	1 13	24 2	0 24	15 20	2 12	22 4	0 37	4 49	1 47	31 34	9 45	19 4	18 59	3 1		n.a.	M29
T 30	20 49	16 19	0 42	25 9	2 0	15 27	0 53	18 8	1 12	24 2	0 24	15 19	2 11	22 4	0 37	4 49	1 47	31 35	9 45	19 4	18 59	3 5		n.a.	T 30
W31	21n 1	21n18	0n39	25n19	2n 0	15n51	0s51	17n57	1n11	24s 2	0s24	15n18	2n11	22s 4	0s37	4s48	1s47	31s35	9s45	19n 4	18n58	3s 8		n.a.	W31

Julian Day Number = 1562294.5, Delta T = 04h23m21s
Ecliptic obliquity = 23°44'58, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'21, Lahiri = - 9°58'20 Julian Calendar 1 May 436 BCE == Greg. Calendar 26 Apr. 436 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

JUNE 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 15 51	3♊52'35	15♊43	21♊18	16♉38	14♌38	5°R14	25♌24	24°R40	22♓ 9	21°R42	24°R12	23♉45	15♎23	n.a.	T 1
F 2	16 19 48	4°49'43	29°53	23° 4	17°51	15°12	5♋ 8	25°27	24♋39	22° 9	21♋41	24♉11	23°41	15°29	n.a.	F 2
S 3	16 23 44	5°46'50	13♋41	24°48	19° 4	15°46	5° 2	25°30	24°38	22°10	21°40	24°10	23°38	15°36	n.a.	S 3
S 4	16 27 41	6°43'57	27° 6	26°30	20°17	16°20	4°56	25°33	24°37	22°11	21°39	24° 8	23°35	15°43	n.a.	S 4
M 5	16 31 37	7°41'04	10♌ 6	28°10	21°30	16°54	4°50	25°36	24°35	22°12	21°39	24° 7	23°32	15°50	n.a.	M 5
T 6	16 35 34	8°38'11	22°45	29°47	22°44	17°28	4°44	25°39	24°34	22°13	21°38	24° 6	23°29	15°56	n.a.	T 6
W 7	16 39 30	9°35'18	5♍ 5	1♋23	23°57	18° 2	4°38	25°42	24°32	22°14	21°37	24°D 5	23°26	16° 3	n.a.	W 7
T 8	16 43 27	10°32'25	17°11	2°57	25°10	18°37	4°32	25°46	24°31	22°15	21°36	24° 5	23°22	16°10	n.a.	T 8
F 9	16 47 23	11°29'33	29° 7	4°28	26°23	19°11	4°25	25°49	24°29	22°15	21°35	24° 6	23°19	16°16	n.a.	F 9
S 10	16 51 20	12°26'40	10♎58	5°58	27°36	19°46	4°18	25°53	24°28	22°16	21°34	24° 7	23°16	16°23	n.a.	S 10
S 11	16 55 17	13°23'47	22°48	7°25	28°50	20°20	4°12	25°56	24°26	22°17	21°33	24° 9	23°13	16°30	n.a.	S 11
M12	16 59 13	14°20'55	4♏42	8°50	0♊ 3	20°55	4° 5	26° 0	24°25	22°17	21°32	24°10	23°10	16°36	n.a.	M12
T 13	17 3 10	15°18'03	16°43	10°13	1°16	21°30	3°58	26° 4	24°23	22°18	21°31	24°11	23° 7	16°43	n.a.	T 13
W14	17 7 6	16°15'11	28°54	11°34	2°30	22° 5	3°51	26° 8	24°21	22°19	21°30	24°R11	23° 3	16°50	n.a.	W14
T 15	17 11 3	17°12'20	11♐17	12°52	3°43	22°41	3°44	26°12	24°20	22°19	21°29	24°10	23° 0	16°56	n.a.	T 15
F 16	17 14 59	18° 9'29	23°54	14° 8	4°56	23°16	3°37	26°16	24°18	22°20	21°28	24° 8	22°57	17° 3	n.a.	F 16
S 17	17 18 56	19° 6'39	6♑46	15°22	6°10	23°52	3°30	26°20	24°16	22°20	21°27	24° 5	22°54	17°10	n.a.	S 17
S 18	17 22 52	20° 3'50	19°53	16°33	7°23	24°27	3°22	26°24	24°14	22°21	21°26	24° 1	22°51	17°16	n.a.	S 18
M19	17 26 49	21° 1'02	3♒13	17°42	8°37	25° 3	3°15	26°28	24°12	22°21	21°25	23°57	22°47	17°23	n.a.	M19
T 20	17 30 46	21°58'14	16°46	18°48	9°50	25°39	3° 7	26°33	24°10	22°21	21°24	23°54	22°44	17°30	n.a.	T 20
W21	17 34 42	22°55'27	0♓31	19°52	11° 4	26°14	3° 0	26°37	24° 8	22°22	21°22	23°51	22°41	17°36	n.a.	W21
T 22	17 38 39	23°52'42	14°27	20°53	12°17	26°50	2°52	26°42	24° 7	22°22	21°21	23°49	22°38	17°43	n.a.	T 22
F 23	17 42 35	24°49'57	28°32	21°51	13°31	27°27	2°45	26°46	24° 5	22°22	21°20	23°D49	22°35	17°50	n.a.	F 23
S 24	17 46 32	25°47'13	12♈45	22°45	14°45	28° 3	2°37	26°51	24° 3	22°23	21°19	23°50	22°32	17°56	n.a.	S 24
S 25	17 50 28	26°44'31	27° 4	23°37	15°58	28°39	2°29	26°55	24° 1	22°23	21°18	23°51	22°28	18° 3	n.a.	S 25
M26	17 54 25	27°41'50	11♉26	24°26	17°12	29°16	2°22	27° 0	23°58	22°23	21°17	23°53	22°25	18°10	n.a.	M26
T 27	17 58 22	28°39'10	25°49	25°11	18°26	29°52	2°14	27° 5	23°56	22°23	21°15	23°R53	22°22	18°16	n.a.	T 27
W28	18 2 18	29°36'31	10♊ 7	25°52	19°39	0♍29	2° 6	27°10	23°54	22°23	21°14	23°52	22°19	18°23	n.a.	W28
T 29	18 6 15	0♋33'53	24°16	26°30	20°53	1° 6	1°58	27°15	23°52	22°23	21°13	23°49	22°16	18°30	n.a.	T 29
F 30	18 10 11	1♋31'17	8♋12	27♋ 4	22♊ 7	1♍43	1♋50	27♌20	23♋50	22♓24	21♋12	23♉45	22♉13	18♎36	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n12	24n54	1n56	25n26	1n59	16n15	0s49	17n46	1n10	24s 3	0s24	15n16	2n11	22s 5	0s37	4s48	1s47	31s36	9s45	19n 4	18n57	3s11		n.a.
F 2	21 23	26 50	3 5	25 31	1 58	16 38	0 47	17 35	1 9	24 3	0 24	15 15	2 11	22 5	0 37	4 47	1 47	31 36	9 46	19 4	18 56	3 14		n.a.
S 3	21 33	27 2	4 1	25 34	1 56	17 0	0 44	17 23	1 8	24 4	0 25	15 14	2 11	22 5	0 37	4 47	1 48	31 36	9 46	19 3	18 55	3 18		n.a.
S 4	21 43	25 37	4 42	25 35	1 53	17 22	0 42	17 12	1 7	24 4	0 25	15 13	2 11	22 5	0 37	4 47	1 48	31 37	9 46	19 3	18 55	3 21		n.a.
M 5	21 52	22 51	5 7	25 34	1 50	17 44	0 40	17 1	1 5	24 5	0 25	15 12	2 10	22 6	0 37	4 47	1 48	31 37	9 46	19 3	18 54	3 24		n.a.
T 6	22 2	19 5	5 16	25 31	1 46	18 5	0 38	16 49	1 4	24 5	0 25	15 10	2 10	22 6	0 37	4 46	1 48	31 37	9 47	19 2	18 53	3 27		n.a.
W 7	22 11	14 34	5 10	25 27	1 42	18 26	0 35	16 38	1 3	24 5	0 25	15 9	2 10	22 6	0 37	4 46	1 48	31 38	9 47	19 2	18 52	3 31		n.a.
T 8	22 19	9 35	4 51	25 20	1 37	18 46	0 33	16 26	1 2	24 6	0 26	15 8	2 10	22 7	0 37	4 46	1 48	31 38	9 47	19 2	18 51	3 34		n.a.
F 9	22 27	4 19	4 19	25 12	1 32	19 6	0 30	16 14	1 1	24 6	0 26	15 7	2 10	22 7	0 37	4 46	1 48	31 39	9 47	19 2	18 51	3 37		n.a.
S 10	22 35	1s 5	3 37	25 3	1 26	19 26	0 28	16 2	1 0	24 7	0 26	15 5	2 10	22 7	0 37	4 45	1 48	31 39	9 47	19 3	18 50	3 40		n.a.
S 11	22 42	6 26	2 45	24 52	1 20	19 44	0 26	15 50	0 59	24 7	0 26	15 4	2 9	22 7	0 38	4 45	1 48	31 39	9 48	19 3	18 49	3 43		n.a.
M12	22 49	11 36	1 45	24 40	1 13	20 3	0 23	15 37	0 58	24 8	0 26	15 2	2 9	22 8	0 38	4 45	1 48	31 40	9 48	19 3	18 48	3 47		n.a.
T 13	22 56	16 23	0 41	24 26	1 5	20 21	0 21	15 25	0 57	24 8	0 27	15 1	2 9	22 8	0 38	4 45	1 48	31 40	9 48	19 4	18 47	3 50		n.a.
W14	23 2	20 36	0s26	24 12	0 57	20 38	0 18	15 13	0 56	24 8	0 27	14 59	2 9	22 8	0 38	4 45	1 48	31 41	9 48	19 4	18 47	3 53		n.a.
T 15	23 7	23 57	1 33	23 56	0 49	20 54	0 16	15 0	0 55	24 9	0 27	14 58	2 9	22 9	0 38	4 44	1 48	31 41	9 49	19 3	18 46	3 56		n.a.
F 16	23 13	26 12	2 36	23 40	0 41	21 11	0 13	14 47	0 54	24 9	0 27	14 56	2 9	22 9	0 38	4 44	1 48	31 41	9 49	19 3	18 45	4 0		n.a.
S 17	23 18	27 7	3 33	23 22	0 31	21 26	0 11	14 34	0 53	24 9	0 27	14 55	2 9	22 9	0 38	4 44	1 48	31 42	9 49	19 2	18 44	4 3		n.a.
S 18	23 22	26 32	4 20	23 4	0 22	21 41	0 9	14 21	0 52	24 10	0 28	14 53	2 8	22 10	0 38	4 44	1 48	31 42	9 49	19 1	18 43	4 6		n.a.
M19	23 26	24 26	4 53	22 46	0 12	21 55	0 6	14 8	0 51	24 10	0 28	14 52	2 8	22 10	0 38	4 44	1 49	31 42	9 49	19 0	18 43	4 9		n.a.
T 20	23 30	20 56	5 11	22 26	0 2	22 9	0 4	13 55	0 50	24 11	0 28	14 50	2 8	22 11	0 38	4 44	1 49	31 43	9 49	18 59	18 42	4 13		n.a.
W21	23 33	16 16	5 11	22 7	0s 9	22 22	0 1	13 42	0 49	24 11	0 28	14 48	2 8	22 11	0 38	4 44	1 49	31 43	9 50	18 59	18 41	4 16		n.a.
T 22	23 36	10 41	4 53	21 47	0 20	22 35	0n 1	13 29	0 48	24 11	0 28	14 47	2 8	22 11	0 38	4 44	1 49	31 44	9 50	18 58	18 40	4 19		n.a.
F 23	23 39	4 31	4 18	21 26	0 31	22 47	0 4	13 15	0 47	24 12	0 28	14 45	2 8	22 12	0 38	4 44	1 49	31 44	9 50	18 58	18 39	4 22		n.a.
S 24	23 41	1n57	3 26	21 6	0 43	22 58	0 6	13 2	0 46	24 12	0 29	14 43	2 8	22 12	0 38	4 44	1 49	31 44	9 50	18 58	18 38	4 25		n.a.
S 25	23 43	8 22	2 21	20 45	0 55	23 8	0 9	12 48	0 45	24 12	0 29	14 41	2 7	22 12	0 38	4 44	1 49	31 45	9 50	18 59	18 38	4 29		n.a.
M26	23 44	14 23	1 7	20 25	1 7	23 18	0 11	12 34	0 44	24 13	0 29	14 39	2 7	22 13	0 38	4 43	1 49	31 45	9 51	18 59	18 37	4 32		n.a.
T 27	23 45	19 38	0n11	20 5	1 19	23 28	0 13	12 20	0 43	24 13	0 29	14 38	2 7	22 13	0 38	4 43	1 49	31 45	9 51	18 59	18 36	4 35		n.a.
W28	23 45	23 42	1 27	19 45	1 32	23 36	0 16	12 6	0 42	24 13	0 29	14 36	2 7	22 14	0 38	4 43	1 49	31 46	9 51	18 59	18 35	4 38		n.a.
T 29	23 45	26 15	2 38	19 25	1 44	23 44	0 18	11 52	0 41	24 13	0 29	14 34	2 7	22 14	0 38	4 44	1 49	31 46	9 51	18 58	18 34	4 42		n.a.
F 30	23n44	27n 7	3n38	19n 6	1s57	23n51	0n20	11n38	0n40	24s14	0s30	14n32	2n 7	22s14	0s38	4s44	1s49	31s46	9s51	18n57	18n33	4s45		n.a.

Julian Day Number = 1562325.5, Delta T = 04h23m20s
Ecliptic obliquity = 23°44'58, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'17, Lahiri = - 9°58'16 Julian Calendar 1 June 436 BCE == Greg. Calendar 27 May 436 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

JULY 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 14 8	2♋28'41	21♋50	27♋34	23♊21	2♍19	1°R43	27♌25	23°R48	22°R24	21°R11	23°R39	22♉ 9	18♎43	n.a.	S 1
S 2	18 18 4	3°26'06	5♌ 9	27°59	24°35	2°57	1♏35	27°30	23♏46	22♓24	21♏ 9	23♉33	22° 6	18°50	n.a.	S 2
M 3	18 22 1	4°23'33	18° 8	28°20	25°49	3°34	1°27	27°36	23°44	22°24	21° 8	23°26	22° 3	18°56	n.a.	M 3
T 4	18 25 57	5°21'00	0♍46	28°36	27° 2	4°11	1°19	27°41	23°41	22°23	21° 7	23°20	22° 0	19° 3	n.a.	T 4
W 5	18 29 54	6°18'28	13° 6	28°48	28°16	4°48	1°12	27°46	23°39	22°23	21° 6	23°16	21°57	19°10	n.a.	W 5
T 6	18 33 51	7°15'56	25°12	28°54	29°30	5°26	1° 4	27°52	23°37	22°23	21° 4	23°14	21°53	19°16	n.a.	T 6
F 7	18 37 47	8°13'26	7♎ 8	28°R55	0♋44	6° 4	0°56	27°57	23°35	22°23	21° 3	23°D13	21°50	19°23	n.a.	F 7
S 8	18 41 44	9°10'57	18°59	28°51	1°58	6°41	0°49	28° 3	23°32	22°23	21° 2	23°13	21°47	19°30	n.a.	S 8
S 9	18 45 40	10° 8'29	0♏49	28°41	3°12	7°19	0°41	28° 8	23°30	22°23	21° 0	23°14	21°44	19°36	n.a.	S 9
M10	18 49 37	11° 6'02	12°45	28°26	4°26	7°57	0°33	28°14	23°28	22°22	20°59	23°16	21°41	19°43	n.a.	M10
T 11	18 53 33	12° 3'36	24°50	28° 6	5°40	8°35	0°26	28°20	23°25	22°22	20°58	23°R16	21°38	19°50	n.a.	T 11
W12	18 57 30	13° 1'11	7♐ 9	27°40	6°54	9°13	0°18	28°26	23°23	22°22	20°57	23°15	21°34	19°56	n.a.	W12
T 13	19 1 26	13°58'47	19°45	27° 9	8° 9	9°51	0°11	28°31	23°21	22°21	20°55	23°12	21°31	20° 3	n.a.	T 13
F 14	19 5 23	14°56'25	2♑39	26°33	9°23	10°29	0° 4	28°37	23°18	22°21	20°54	23° 7	21°28	20°10	n.a.	F 14
S 15	19 9 20	15°54'04	15°52	25°52	10°37	11° 8	29♐57	28°43	23°16	22°21	20°53	23° 0	21°25	20°16	n.a.	S 15
S 16	19 13 16	16°51'45	29°23	25° 8	11°51	11°46	29°49	28°49	23°14	22°20	20°51	22°51	21°22	20°23	n.a.	S 16
M17	19 17 13	17°49'27	13♒ 9	24°20	13° 5	12°25	29°42	28°55	23°11	22°20	20°50	22°42	21°19	20°30	n.a.	M17
T 18	19 21 9	18°47'11	27° 7	23°30	14°19	13° 3	29°35	29° 2	23° 9	22°19	20°49	22°34	21°15	20°36	n.a.	T 18
W19	19 25 6	19°44'56	11♓12	22°38	15°34	13°42	29°28	29° 8	23° 6	22°19	20°47	22°27	21°12	20°43	n.a.	W19
T 20	19 29 2	20°42'43	25°22	21°46	16°48	14°21	29°22	29°14	23° 4	22°18	20°46	22°22	21° 9	20°50	n.a.	T 20
F 21	19 32 59	21°40'32	9♈33	20°53	18° 2	15° 0	29°15	29°20	23° 2	22°17	20°45	22°19	21° 6	20°56	n.a.	F 21
S 22	19 36 55	22°38'23	23°42	20° 2	19°17	15°39	29° 8	29°26	22°59	22°17	20°43	22°D19	21° 3	21° 3	n.a.	S 22
S 23	19 40 52	23°36'16	7♉49	19°14	20°31	16°18	29° 2	29°33	22°57	22°16	20°42	22°19	20°59	21°10	n.a.	S 23
M24	19 44 49	24°34'11	21°52	18°29	21°45	16°57	28°56	29°39	22°54	22°15	20°41	22°R20	20°56	21°16	n.a.	M24
T 25	19 48 45	25°32'07	5♊51	17°48	23° 0	17°36	28°49	29°46	22°52	22°15	20°39	22°19	20°53	21°23	n.a.	T 25
W26	19 52 42	26°30'06	19°43	17°13	24°14	18°16	28°43	29°52	22°50	22°14	20°38	22°16	20°50	21°30	n.a.	W26
T 27	19 56 38	27°28'07	3♋27	16°44	25°29	18°55	28°37	29°58	22°47	22°13	20°37	22°11	20°47	21°36	n.a.	T 27
F 28	20 0 35	28°26'10	17° 1	16°22	26°43	19°35	28°32	0♍ 5	22°45	22°12	20°35	22° 3	20°44	21°43	n.a.	F 28
S 29	20 4 31	29°24'14	0♌22	16° 7	27°58	20°14	28°26	0°12	22°42	22°11	20°34	21°52	20°40	21°50	n.a.	S 29
S 30	20 8 28	0♌22'20	13°27	16°D 1	29°12	20°54	28°20	0°18	22°40	22°11	20°33	21°41	20°37	21°56	n.a.	S 30
M31	20 12 24	1♌20'28	26♌16	16♋ 2	0♌27	21♍34	28♐15	0♍25	22♏38	22♓10	20♏32	21♉29	20♉34	22♎ 3	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n44	26n17	4n24	18n48	2s10	23n57	0n23	11n24	0n39	24s14	0s30	14n30	2n 7	22s15	0s38	4s44	1s49	31s47	9s51	18n56	18n33	4s48		n.a.
S 2	23 42	23 58	4 54	18 30	2 23	24 3	0 25	11 9	0 38	24 14	0 30	14 28	2 6	22 15	0 38	4 44	1 49	31 47	9 51	18 54	18 32	4 51		n.a.
M 3	23 41	20 28	5 8	18 13	2 36	24 8	0 27	10 55	0 37	24 14	0 30	14 26	2 6	22 16	0 38	4 44	1 49	31 48	9 52	18 52	18 31	4 55		n.a.
T 4	23 38	16 7	5 7	17 58	2 48	24 12	0 30	10 40	0 37	24 15	0 30	14 24	2 6	22 16	0 38	4 44	1 50	31 48	9 52	18 51	18 30	4 58		n.a.
W 5	23 36	11 12	4 51	17 43	3 1	24 16	0 32	10 25	0 36	24 15	0 30	14 22	2 6	22 16	0 38	4 44	1 50	31 48	9 52	18 50	18 29	5 1		n.a.
T 6	23 33	5 56	4 23	17 30	3 13	24 19	0 34	10 11	0 35	24 15	0 30	14 20	2 6	22 17	0 38	4 44	1 50	31 49	9 52	18 49	18 28	5 4		n.a.
F 7	23 29	0 33	3 43	17 18	3 25	24 21	0 36	9 56	0 34	24 15	0 31	14 18	2 6	22 17	0 38	4 44	1 50	31 49	9 52	18 49	18 28	5 8		n.a.
S 8	23 26	4s50	2 55	17 7	3 37	24 22	0 38	9 41	0 33	24 16	0 31	14 16	2 6	22 18	0 38	4 44	1 50	31 49	9 52	18 49	18 27	5 11		n.a.
S 9	23 21	10 4	1 58	16 58	3 48	24 23	0 40	9 26	0 32	24 16	0 31	14 14	2 6	22 18	0 38	4 44	1 50	31 50	9 52	18 49	18 26	5 14		n.a.
M10	23 17	14 58	0 57	16 51	3 58	24 23	0 42	9 10	0 31	24 16	0 31	14 12	2 6	22 18	0 38	4 45	1 50	31 50	9 52	18 50	18 25	5 17		n.a.
T 11	23 12	19 22	0s 8	16 46	4 7	24 22	0 44	8 55	0 30	24 16	0 31	14 10	2 5	22 19	0 38	4 45	1 50	31 50	9 53	18 50	18 24	5 20		n.a.
W12	23 6	23 0	1 14	16 43	4 16	24 20	0 46	8 40	0 29	24 16	0 31	14 8	2 5	22 19	0 38	4 45	1 50	31 50	9 53	18 50	18 23	5 24		n.a.
T 13	23 0	25 38	2 18	16 42	4 23	24 18	0 48	8 25	0 28	24 16	0 31	14 6	2 5	22 20	0 38	4 45	1 50	31 51	9 53	18 49	18 23	5 27		n.a.
F 14	22 54	26 59	3 15	16 43	4 29	24 15	0 50	8 9	0 27	24 16	0 32	14 3	2 5	22 20	0 38	4 45	1 50	31 51	9 53	18 47	18 22	5 30		n.a.
S 15	22 47	26 50	4 4	16 46	4 33	24 11	0 52	7 53	0 26	24 17	0 32	14 1	2 5	22 20	0 38	4 46	1 50	31 51	9 53	18 46	18 21	5 33		n.a.
S 16	22 40	25 6	4 40	16 51	4 36	24 7	0 54	7 38	0 26	24 17	0 32	13 59	2 5	22 21	0 38	4 46	1 50	31 52	9 53	18 43	18 20	5 37		n.a.
M17	22 33	21 53	5 1	16 59	4 37	24 1	0 56	7 22	0 25	24 17	0 32	13 57	2 5	22 21	0 38	4 46	1 50	31 52	9 53	18 41	18 19	5 40		n.a.
T 18	22 25	17 23	5 4	17 8	4 37	23 55	0 58	7 6	0 24	24 17	0 32	13 54	2 5	22 22	0 38	4 46	1 50	31 52	9 53	18 39	18 18	5 43		n.a.
W19	22 16	11 54	4 49	17 19	4 34	23 49	0 59	6 50	0 23	24 17	0 32	13 52	2 5	22 22	0 38	4 47	1 51	31 53	9 53	18 37	18 18	5 46		n.a.
T 20	22 8	5 47	4 16	17 31	4 30	23 41	1 1	6 35	0 22	24 17	0 32	13 50	2 5	22 23	0 38	4 47	1 51	31 53	9 53	18 36	18 17	5 49		n.a.
F 21	21 59	0n39	3 28	17 46	4 24	23 33	1 3	6 18	0 21	24 17	0 32	13 48	2 5	22 23	0 38	4 47	1 51	31 53	9 53	18 35	18 16	5 53		n.a.
S 22	21 49	7 3	2 27	18 1	4 15	23 24	1 4	6 2	0 20	24 17	0 32	13 45	2 5	22 23	0 38	4 48	1 51	31 53	9 53	18 35	18 15	5 56		n.a.
S 23	21 39	13 5	1 17	18 18	4 5	23 14	1 6	5 46	0 19	24 17	0 33	13 43	2 4	22 24	0 38	4 48	1 51	31 54	9 53	18 35	18 14	5 59		n.a.
M24	21 29	18 26	0 2	18 36	3 54	23 4	1 7	5 30	0 19	24 17	0 33	13 41	2 4	22 24	0 38	4 48	1 51	31 54	9 53	18 35	18 13	6 2		n.a.
T 25	21 19	22 44	1n11	18 54	3 41	22 53	1 8	5 14	0 18	24 17	0 33	13 38	2 4	22 25	0 38	4 49	1 51	31 54	9 53	18 35	18 13	6 6		n.a.
W26	21 8	25 41	2 20	19 13	3 26	22 41	1 10	4 57	0 17	24 17	0 33	13 36	2 4	22 25	0 38	4 49	1 51	31 54	9 53	18 34	18 12	6 9		n.a.
T 27	20 56	27 3	3 20	19 32	3 11	22 29	1 11	4 41	0 16	24 17	0 33	13 34	2 4	22 25	0 38	4 49	1 51	31 55	9 54	18 33	18 11	6 12		n.a.
F 28	20 44	26 45	4 8	19 51	2 54	22 16	1 12	4 24	0 15	24 17	0 33	13 31	2 4	22 26	0 38	4 50	1 51	31 55	9 54	18 31	18 10	6 15		n.a.
S 29	20 32	24 55	4 41	20 10	2 37	22 2	1 14	4 8	0 14	24 17	0 33	13 29	2 4	22 26	0 38	4 50	1 51	31 55	9 54	18 28	18 9	6 19		n.a.
S 30	20 20	21 46	4 59	20 28	2 19	21 48	1 15	3 51	0 13	24 17	0 33	13 26	2 4	22 27	0 38	4 50	1 51	31 55	9 54	18 25	18 8	6 22		n.a.
M31	20n 7	17n38	5n 1	20n46	2s 1	21n33	1n16	3n35	0n13	24s18	0s33	13n24	2n 4	22s27	0s38	4s51	1s51	31s56	9s54	18n22	18n 7	6s25		n.a.

Julian Day Number = 1562355.5, Delta T = 04h23m18s
Ecliptic obliquity = 23°44'58, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'13, Lahiri = - 9°58'12 Julian Calendar 1 July 436 BCE == Greg. Calendar 26 June 436 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

AUGUST 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 16 21	2♌18'37	8♍48	16♋12	1♌41	22♍14	28°R10	0♍32	22°R35	22°R 9	20°R30	21°R18	20♉31	22♎10	n.a.	T 1
W 2	20 20 18	3°16'48	21° 5	16°31	2°56	22°54	28♐ 5	0°38	22♑33	22♓ 8	20♑29	21♉ 9	20°28	22°16	n.a.	W 2
T 3	20 24 14	4°15'01	3♎ 8	16°58	4°10	23°34	28° 0	0°45	22°31	22° 7	20°28	21° 3	20°25	22°23	n.a.	T 3
F 4	20 28 11	5°13'15	15° 3	17°34	5°25	24°14	27°55	0°52	22°28	22° 6	20°26	20°59	20°21	22°30	n.a.	F 4
S 5	20 32 7	6°11'31	26°52	18°17	6°40	24°54	27°50	0°59	22°26	22° 5	20°25	20°57	20°18	22°36	n.a.	S 5
S 6	20 36 4	7° 9'49	8♏41	19° 9	7°54	25°35	27°46	1° 6	22°24	22° 4	20°24	20°D57	20°15	22°43	n.a.	S 6
M 7	20 40 0	8° 8'08	20°36	20° 8	9° 9	26°15	27°42	1°12	22°21	22° 3	20°23	20°R57	20°12	22°50	n.a.	M 7
T 8	20 43 57	9° 6'30	2♐42	21°14	10°24	26°56	27°37	1°19	22°19	22° 1	20°21	20°56	20° 9	22°56	n.a.	T 8
W 9	20 47 53	10° 4'52	15° 4	22°26	11°38	27°36	27°34	1°26	22°17	22° 0	20°20	20°54	20° 5	23° 3	n.a.	W 9
T 10	20 51 50	11° 3'17	27°46	23°45	12°53	28°17	27°30	1°33	22°15	21°59	20°19	20°50	20° 2	23°10	n.a.	T 10
F 11	20 55 47	12° 1'44	10♑52	25° 9	14° 8	28°58	27°26	1°40	22°13	21°58	20°18	20°43	19°59	23°16	n.a.	F 11
S 12	20 59 43	13° 0'12	24°21	26°38	15°23	29°38	27°23	1°47	22°10	21°57	20°17	20°33	19°56	23°23	n.a.	S 12
S 13	21 3 40	13°58'42	8♒13	28°11	16°37	0♎19	27°20	1°54	22° 8	21°56	20°15	20°22	19°53	23°30	n.a.	S 13
M14	21 7 36	14°57'14	22°25	29°49	17°52	1° 0	27°17	2° 1	22° 6	21°54	20°14	20°10	19°50	23°36	n.a.	M14
T 15	21 11 33	15°55'48	6♓49	1♌29	19° 7	1°41	27°14	2° 9	22° 4	21°53	20°13	19°59	19°46	23°43	n.a.	T 15
W16	21 15 29	16°54'24	21°21	3°12	20°22	2°22	27°11	2°16	22° 2	21°52	20°12	19°49	19°43	23°50	n.a.	W16
T 17	21 19 26	17°53'03	5♈53	4°58	21°36	3° 4	27° 9	2°23	22° 0	21°50	20°11	19°42	19°40	23°56	n.a.	T 17
F 18	21 23 22	18°51'43	20°20	6°45	22°51	3°45	27° 6	2°30	21°58	21°49	20°10	19°38	19°37	24° 3	n.a.	F 18
S 19	21 27 19	19°50'27	4♉38	8°33	24° 6	4°26	27° 4	2°37	21°56	21°48	20° 8	19°36	19°34	24°10	n.a.	S 19
S 20	21 31 16	20°49'12	18°45	10°23	25°21	5° 8	27° 2	2°44	21°54	21°46	20° 7	19°36	19°31	24°16	n.a.	S 20
M21	21 35 12	21°48'00	2♊40	12°13	26°36	5°49	27° 1	2°51	21°52	21°45	20° 6	19°36	19°27	24°23	n.a.	M21
T 22	21 39 9	22°46'51	16°23	14° 4	27°51	6°31	26°59	2°59	21°50	21°44	20° 5	19°35	19°24	24°30	n.a.	T 22
W23	21 43 5	23°45'44	29°55	15°55	29° 6	7°13	26°58	3° 6	21°48	21°42	20° 4	19°31	19°21	24°36	n.a.	W23
T 24	21 47 2	24°44'39	13♋17	17°46	0♍21	7°54	26°57	3°13	21°46	21°41	20° 3	19°25	19°18	24°43	n.a.	T 24
F 25	21 50 58	25°43'37	26°27	19°36	1°35	8°36	26°56	3°20	21°44	21°39	20° 2	19°15	19°15	24°50	n.a.	F 25
S 26	21 54 55	26°42'36	9♌26	21°27	2°50	9°18	26°55	3°28	21°42	21°38	20° 1	19° 4	19°11	24°56	n.a.	S 26
S 27	21 58 51	27°41'38	22°12	23°16	4° 5	10° 0	26°54	3°35	21°40	21°36	20° 0	18°50	19° 8	25° 3	n.a.	S 27
M28	22 2 48	28°40'43	4♍46	25° 6	5°20	10°42	26°54	3°42	21°39	21°35	19°59	18°37	19° 5	25°10	n.a.	M28
T 29	22 6 45	29°39'49	17° 7	26°54	6°35	11°25	26°D54	3°49	21°37	21°33	19°58	18°24	19° 2	25°16	n.a.	T 29
W30	22 10 41	0♍38'57	29°17	28°42	7°50	12° 7	26°54	3°57	21°35	21°32	19°57	18°14	18°59	25°23	n.a.	W30
T 31	22 14 38	1♍38'07	11♎15	0♍30	9♍ 5	12♎49	26♐54	4♍ 4	21♑33	21♓30	19♑56	18♉ 6	18♉56	25♎29	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	19n54	12n49	4n48	21n 2	1s43	21n17	1n17	3n18	0n12	24s18	0s33	13n21	2n 4	22s27	0s38	4s51	1s51	31s56	9s54	18n19	18n 7	6s28			n.a.
W 2	19 41	7 35	4 22	21 18	1 26	21 1	1 18	3 1	0 11	24 18	0 33	13 19	2 4	22 28	0 38	4 52	1 51	31 56	9 54	18 17	18 6	6 31			n.a.
T 3	19 27	2 10	3 45	21 32	1 8	20 44	1 19	2 44	0 10	24 18	0 33	13 16	2 4	22 28	0 38	4 52	1 51	31 56	9 54	18 15	18 5	6 35			n.a.
F 4	19 13	3s16	2 58	21 44	0 51	20 27	1 19	2 28	0 9	24 18	0 34	13 14	2 4	22 29	0 38	4 53	1 51	31 56	9 54	18 14	18 4	6 38			n.a.
S 5	18 58	8 33	2 4	21 55	0 34	20 8	1 20	2 11	0 8	24 18	0 34	13 11	2 4	22 29	0 38	4 53	1 51	31 57	9 54	18 14	18 3	6 41			n.a.
S 6	18 43	13 34	1 5	22 4	0 18	19 50	1 21	1 54	0 8	24 18	0 34	13 9	2 4	22 29	0 38	4 54	1 52	31 57	9 54	18 13	18 2	6 44			n.a.
M 7	18 28	18 6	0 2	22 10	0 3	19 31	1 22	1 37	0 7	24 18	0 34	13 6	2 4	22 30	0 38	4 54	1 52	31 57	9 54	18 13	18 1	6 47			n.a.
T 8	18 13	21 59	1s 2	22 14	0n12	19 11	1 22	1 20	0 6	24 18	0 34	13 4	2 4	22 30	0 38	4 55	1 52	31 57	9 54	18 13	18 1	6 51			n.a.
W 9	17 57	24 57	2 4	22 16	0 25	18 50	1 23	1 3	0 5	24 17	0 34	13 1	2 4	22 30	0 38	4 55	1 52	31 57	9 53	18 13	18 0	6 54			n.a.
T 10	17 41	26 46	3 2	22 15	0 38	18 29	1 23	0 45	0 4	24 17	0 34	12 59	2 4	22 31	0 38	4 56	1 52	31 57	9 53	18 12	17 59	6 57			n.a.
F 11	17 24	27 9	3 52	22 11	0 49	18 8	1 24	0 28	0 3	24 17	0 34	12 56	2 4	22 31	0 38	4 56	1 52	31 58	9 53	18 10	17 58	7 0			n.a.
S 12	17 8	25 57	4 30	22 5	1 0	17 46	1 24	0 11	0 3	24 17	0 34	12 54	2 3	22 32	0 38	4 57	1 52	31 58	9 53	18 7	17 57	7 4			n.a.
S 13	16 51	23 10	4 54	21 55	1 9	17 24	1 24	0s 6	0 2	24 17	0 34	12 51	2 3	22 32	0 38	4 57	1 52	31 58	9 53	18 4	17 56	7 7			n.a.
M14	16 34	18 56	5 0	21 43	1 18	17 1	1 24	0 23	0 1	24 17	0 34	12 48	2 3	22 32	0 38	4 58	1 52	31 58	9 53	18 1	17 55	7 10			n.a.
T 15	16 16	13 34	4 48	21 28	1 25	16 37	1 25	0 41	0 0	24 17	0 34	12 46	2 3	22 33	0 38	4 58	1 52	31 58	9 53	17 58	17 54	7 13			n.a.
W16	15 58	7 23	4 17	21 10	1 31	16 13	1 25	0 58	0s 1	24 17	0 34	12 43	2 3	22 33	0 38	4 59	1 52	31 58	9 53	17 55	17 54	7 16			n.a.
T 17	15 40	0 49	3 29	20 50	1 37	15 49	1 25	1 15	0 1	24 17	0 34	12 41	2 3	22 33	0 38	4 59	1 52	31 58	9 53	17 53	17 53	7 20			n.a.
F 18	15 22	5n46	2 28	20 27	1 41	15 24	1 25	1 33	0 2	24 17	0 34	12 38	2 3	22 34	0 38	5 0	1 52	31 59	9 53	17 52	17 52	7 23			n.a.
S 19	15 3	12 0	1 18	20 2	1 45	14 59	1 24	1 50	0 3	24 17	0 34	12 35	2 3	22 34	0 38	5 0	1 52	31 59	9 53	17 52	17 51	7 26			n.a.
S 20	14 44	17 33	0 5	19 35	1 47	14 33	1 24	2 7	0 4	24 17	0 34	12 33	2 3	22 34	0 38	5 1	1 52	31 59	9 53	17 52	17 50	7 29			n.a.
M21	14 25	22 5	1n 8	19 6	1 49	14 7	1 24	2 25	0 4	24 17	0 35	12 30	2 3	22 35	0 38	5 2	1 52	31 59	9 53	17 52	17 49	7 32			n.a.
T 22	14 6	25 18	2 16	18 35	1 50	13 41	1 24	2 42	0 5	24 17	0 35	12 27	2 3	22 35	0 38	5 2	1 52	31 59	9 53	17 51	17 48	7 36			n.a.
W23	13 46	27 1	3 16	18 2	1 51	13 14	1 23	2 59	0 6	24 17	0 35	12 25	2 3	22 35	0 38	5 3	1 52	31 59	9 53	17 50	17 48	7 39			n.a.
T 24	13 27	27 7	4 3	17 27	1 50	12 47	1 23	3 17	0 7	24 17	0 35	12 22	2 3	22 35	0 38	5 3	1 52	31 59	9 53	17 49	17 47	7 42			n.a.
F 25	13 7	25 40	4 37	16 52	1 49	12 20	1 22	3 34	0 8	24 17	0 35	12 20	2 3	22 36	0 38	5 4	1 52	31 59	9 52	17 46	17 46	7 45			n.a.
S 26	12 46	22 52	4 56	16 14	1 48	11 52	1 22	3 52	0 8	24 17	0 35	12 17	2 3	22 36	0 38	5 5	1 52	31 59	9 52	17 43	17 45	7 48			n.a.
S 27	12 26	19 0	5 0	15 36	1 46	11 24	1 21	4 9	0 9	24 17	0 35	12 14	2 3	22 36	0 38	5 5	1 52	31 59	9 52	17 39	17 44	7 52			n.a.
M28	12 5	14 21	4 49	14 57	1 43	10 55	1 21	4 27	0 10	24 18	0 35	12 12	2 4	22 37	0 38	5 6	1 52	31 59	9 52	17 35	17 43	7 55			n.a.
T 29	11 44	9 11	4 24	14 16	1 40	10 26	1 20	4 44	0 11	24 18	0 35	12 9	2 4	22 37	0 38	5 7	1 52	31 59	9 52	17 32	17 42	7 58			n.a.
W30	11 23	3 46	3 48	13 35	1 37	9 57	1 19	5 1	0 11	24 18	0 35	12 6	2 4	22 37	0 38	5 7	1 52	31 59	9 52	17 29	17 41	8 1			n.a.
T 31	11n 2	1s44	3n 1	12n54	1n33	9n28	1n18	5s19	0s12	24s18	0s35	12n 4	2n 4	22s37	0s38	5s 8	1s53	32s 0	9s52	17n26	17n40	8s 4			n.a.

Julian Day Number = 1562386.5, Delta T = 04h23m17s
Ecliptic obliquity = 23°44'58, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'08, Lahiri = - 9°58'08 Julian Calendar 1 Aug. 436 BCE == Greg. Calendar 27 July 436 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

SEPTEMBER 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 18 34	2♍37'20	23♎ 7	2♍16	10♍20	13♎32	26♐55	4♍11	21°R32	21°R29	19°R55	18°R 0	18♉52	25♎36	n.a.	F 1
S 2	22 22 31	3°36'34	4♏54	4° 2	11°35	14°14	26°55	4°19	21♑30	21♓27	19♑54	17♉58	18°49	25°43	n.a.	S 2
S 3	22 26 27	4°35'50	16°41	5°47	12°50	14°57	26°56	4°26	21°29	21°25	19°54	17°D57	18°46	25°49	n.a.	S 3
M 4	22 30 24	5°35'08	28°34	7°31	14° 5	15°39	26°57	4°33	21°27	21°24	19°53	17°57	18°43	25°56	n.a.	M 4
T 5	22 34 20	6°34'28	10♐38	9°14	15°20	16°22	26°59	4°40	21°26	21°22	19°52	17°R57	18°40	26° 3	n.a.	T 5
W 6	22 38 17	7°33'50	22°58	10°57	16°35	17° 5	27° 0	4°48	21°24	21°21	19°51	17°56	18°36	26° 9	n.a.	W 6
T 7	22 42 13	8°33'14	5♑39	12°39	17°50	17°48	27° 2	4°55	21°23	21°19	19°50	17°53	18°33	26°16	n.a.	T 7
F 8	22 46 10	9°32'40	18°46	14°20	19° 5	18°31	27° 4	5° 2	21°22	21°17	19°49	17°47	18°30	26°23	n.a.	F 8
S 9	22 50 7	10°32'08	2♒21	16° 0	20°20	19°14	27° 6	5°10	21°20	21°16	19°49	17°39	18°27	26°29	n.a.	S 9
S 10	22 54 3	11°31'37	16°24	17°39	21°35	19°57	27° 8	5°17	21°19	21°14	19°48	17°30	18°24	26°36	n.a.	S 10
M11	22 58 0	12°31'09	0♓51	19°18	22°50	20°40	27°10	5°24	21°18	21°12	19°47	17°19	18°21	26°43	n.a.	M11
T 12	23 1 56	13°30'43	15°36	20°56	24° 5	21°23	27°13	5°31	21°16	21°11	19°47	17° 9	18°17	26°49	n.a.	T 12
W13	23 5 53	14°30'18	0♈32	22°33	25°20	22° 6	27°16	5°39	21°15	21° 9	19°46	17° 1	18°14	26°56	n.a.	W13
T 14	23 9 49	15°29'56	15°29	24°10	26°35	22°50	27°19	5°46	21°14	21° 7	19°45	16°55	18°11	27° 3	n.a.	T 14
F 15	23 13 46	16°29'37	0♉18	25°46	27°50	23°33	27°22	5°53	21°13	21° 6	19°45	16°52	18° 8	27° 9	n.a.	F 15
S 16	23 17 42	17°29'19	14°55	27°21	29° 5	24°17	27°25	6° 0	21°12	21° 4	19°44	16°D51	18° 5	27°16	n.a.	S 16
S 17	23 21 39	18°29'04	29°13	28°56	0♎20	25° 0	27°29	6° 7	21°11	21° 2	19°44	16°51	18° 2	27°23	n.a.	S 17
M18	23 25 36	19°28'52	13♊13	0♎30	1°35	25°44	27°32	6°14	21°10	21° 1	19°43	16°R52	17°58	27°29	n.a.	M18
T 19	23 29 32	20°28'42	26°53	2° 4	2°50	26°28	27°36	6°22	21° 9	20°59	19°42	16°52	17°55	27°36	n.a.	T 19
W20	23 33 29	21°28'34	10♋16	3°37	4° 5	27°11	27°40	6°29	21° 9	20°57	19°42	16°50	17°52	27°43	n.a.	W20
T 21	23 37 25	22°28'29	23°23	5° 9	5°20	27°55	27°45	6°36	21° 8	20°56	19°41	16°46	17°49	27°49	n.a.	T 21
F 22	23 41 22	23°28'26	6♌15	6°41	6°35	28°39	27°49	6°43	21° 7	20°54	19°41	16°39	17°46	27°56	n.a.	F 22
S 23	23 45 18	24°28'25	18°55	8°12	7°50	29°23	27°54	6°50	21° 6	20°52	19°41	16°31	17°42	28° 3	n.a.	S 23
S 24	23 49 15	25°28'26	1♍23	9°43	9° 5	0♏ 7	27°59	6°57	21° 6	20°51	19°40	16°21	17°39	28° 9	n.a.	S 24
M25	23 53 11	26°28'29	13°41	11°13	10°20	0°51	28° 4	7° 4	21° 5	20°49	19°40	16°12	17°36	28°16	n.a.	M25
T 26	23 57 8	27°28'35	25°50	12°42	11°35	1°35	28° 9	7°11	21° 5	20°47	19°39	16° 2	17°33	28°23	n.a.	T 26
W27	0 1 4	28°28'42	7♎50	14°11	12°51	2°20	28°14	7°18	21° 4	20°45	19°39	15°55	17°30	28°29	n.a.	W27
T 28	0 5 1	29°28'51	19°43	15°40	14° 6	3° 4	28°20	7°25	21° 4	20°44	19°39	15°49	17°27	28°36	n.a.	T 28
F 29	0 8 58	0♎29'03	1♏31	17° 7	15°21	3°48	28°26	7°32	21° 3	20°42	19°39	15°46	17°23	28°42	n.a.	F 29
S 30	0 12 54	1♎29'16	13♏17	18♎35	16♎36	4♏33	28♐31	7♍39	21♑ 3	20♓40	19♑38	15°D44	17♉20	28♎49	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n40	7s 7	2n 8	12n11	1n29	8n59	1n17	5s36	0s13	24s18	0s35	12n 1	2n 4	22s38	0s38	5s 9	1s53	32s 0	9s52	17n25	17n40	8s 8		n.a.
S 2	10 19	12 14	1 9	11 28	1 25	8 29	1 16	5 54	0 14	24 18	0 35	11 58	2 4	22 38	0 38	5 9	1 53	32 0	9 52	17 24	17 39	8 11		n.a.
S 3	9 57	16 56	0 7	10 45	1 20	7 59	1 15	6 11	0 14	24 18	0 35	11 56	2 4	22 38	0 38	5 10	1 53	32 0	9 51	17 24	17 38	8 14		n.a.
M 4	9 35	21 1	0s56	10 1	1 15	7 29	1 14	6 28	0 15	24 18	0 35	11 53	2 4	22 38	0 38	5 11	1 53	32 0	9 51	17 24	17 37	8 17		n.a.
T 5	9 13	24 16	1 58	9 17	1 10	6 58	1 13	6 46	0 16	24 18	0 35	11 50	2 4	22 38	0 38	5 11	1 53	32 0	9 51	17 24	17 36	8 20		n.a.
W 6	8 50	26 28	2 55	8 32	1 4	6 27	1 12	7 3	0 16	24 18	0 35	11 48	2 4	22 39	0 38	5 12	1 53	32 0	9 51	17 24	17 35	8 24		n.a.
T 7	8 28	27 23	3 45	7 48	0 58	5 57	1 10	7 20	0 17	24 18	0 35	11 45	2 4	22 39	0 38	5 13	1 53	32 0	9 51	17 23	17 34	8 27		n.a.
F 8	8 5	26 48	4 26	7 3	0 52	5 26	1 9	7 37	0 18	24 18	0 35	11 42	2 4	22 39	0 38	5 13	1 53	32 0	9 51	17 21	17 33	8 30		n.a.
S 9	7 43	24 38	4 53	6 18	0 46	4 55	1 7	7 55	0 19	24 18	0 35	11 40	2 4	22 39	0 38	5 14	1 53	32 0	9 51	17 19	17 33	8 33		n.a.
S 10	7 20	20 56	5 3	5 33	0 40	4 23	1 6	8 12	0 19	24 18	0 35	11 37	2 4	22 39	0 38	5 15	1 53	31 59	9 50	17 16	17 32	8 36		n.a.
M11	6 57	15 54	4 55	4 48	0 34	3 52	1 5	8 29	0 20	24 18	0 35	11 34	2 4	22 40	0 38	5 15	1 53	31 59	9 50	17 13	17 31	8 40		n.a.
T 12	6 34	9 50	4 27	4 3	0 27	3 20	1 3	8 46	0 21	24 18	0 35	11 32	2 4	22 40	0 38	5 16	1 53	31 59	9 50	17 11	17 30	8 43		n.a.
W13	6 11	3 9	3 41	3 19	0 21	2 49	1 1	9 3	0 21	24 18	0 35	11 29	2 4	22 40	0 38	5 17	1 53	31 59	9 50	17 8	17 29	8 46		n.a.
T 14	5 47	3n43	2 39	2 34	0 14	2 17	1 0	9 20	0 22	24 18	0 35	11 26	2 4	22 40	0 38	5 17	1 53	31 59	9 50	17 6	17 28	8 49		n.a.
F 15	5 24	10 22	1 27	1 49	0 8	1 45	0 58	9 37	0 23	24 19	0 35	11 24	2 4	22 40	0 38	5 18	1 53	31 59	9 50	17 5	17 27	8 52		n.a.
S 16	5 0	16 21	0 10	1 5	0 1	1 14	0 56	9 54	0 24	24 19	0 35	11 21	2 4	22 40	0 38	5 19	1 53	31 59	9 49	17 5	17 26	8 56		n.a.
S 17	4 37	21 19	1n 6	0 20	0s 6	0 42	0 54	10 11	0 24	24 19	0 35	11 18	2 5	22 41	0 38	5 19	1 53	31 59	9 49	17 5	17 25	8 59		n.a.
M18	4 13	24 56	2 16	0s24	0 13	0 10	0 53	10 27	0 25	24 19	0 35	11 16	2 5	22 41	0 38	5 20	1 53	31 59	9 49	17 5	17 24	9 2		n.a.
T 19	3 49	27 0	3 18	1 8	0 19	0s22	0 51	10 44	0 26	24 19	0 35	11 13	2 5	22 41	0 38	5 21	1 53	31 59	9 49	17 5	17 24	9 5		n.a.
W20	3 25	27 26	4 6	1 51	0 26	0 54	0 49	11 1	0 26	24 19	0 35	11 11	2 5	22 41	0 38	5 21	1 53	31 59	9 49	17 5	17 23	9 8		n.a.
T 21	3 1	26 19	4 41	2 35	0 33	1 26	0 47	11 17	0 27	24 19	0 35	11 8	2 5	22 41	0 38	5 22	1 53	31 59	9 49	17 4	17 22	9 11		n.a.
F 22	2 37	23 48	5 1	3 18	0 40	1 58	0 45	11 34	0 28	24 19	0 35	11 5	2 5	22 41	0 38	5 23	1 53	31 59	9 48	17 2	17 21	9 15		n.a.
S 23	2 13	20 11	5 6	4 0	0 47	2 30	0 43	11 50	0 28	24 19	0 35	11 3	2 5	22 41	0 37	5 23	1 53	31 59	9 48	16 59	17 20	9 18		n.a.
S 24	1 49	15 43	4 56	4 43	0 53	3 2	0 40	12 6	0 29	24 19	0 35	11 0	2 5	22 41	0 37	5 24	1 53	31 58	9 48	16 57	17 19	9 21		n.a.
M25	1 25	10 40	4 32	5 24	1 0	3 34	0 38	12 23	0 29	24 19	0 35	10 58	2 5	22 41	0 37	5 25	1 53	31 58	9 48	16 54	17 18	9 24		n.a.
T 26	1 1	5 17	3 56	6 6	1 6	4 5	0 36	12 39	0 30	24 19	0 35	10 55	2 5	22 41	0 37	5 25	1 53	31 58	9 48	16 51	17 17	9 27		n.a.
W27	0 37	0s14	3 10	6 47	1 13	4 37	0 34	12 55	0 31	24 20	0 35	10 53	2 6	22 41	0 37	5 26	1 53	31 58	9 48	16 49	17 16	9 30		n.a.
T 28	0 13	5 43	2 16	7 27	1 19	5 9	0 32	13 11	0 31	24 20	0 35	10 50	2 6	22 41	0 37	5 27	1 53	31 58	9 47	16 47	17 15	9 34		n.a.
F 29	0s12	10 58	1 16	8 8	1 26	5 40	0 29	13 27	0 32	24 20	0 35	10 48	2 6	22 42	0 37	5 27	1 53	31 58	9 47	16 46	17 15	9 37		n.a.
S 30	0s36	15s49	0n13	8s47	1s32	6s11	0n27	13s43	0s33	24s20	0s35	10n45	2n 6	22s42	0s37	5s28	1s53	31s58	9s47	16n46	17n14	9s40		n.a.

Julian Day Number = 1562417.5, Delta T = 04h23m16s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'04, Lahiri = - 9°58'04 Julian Calendar 1 Sept. 436 BCE == Greg. Calendar 27 Aug. 436 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

OCTOBER 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 16 51	2♎29'30	25♏ 4	20♎ 1	17♎51	5♏17	28♐37	7♑46	21°R 3	20°R39	19°R38	15♉45	17♉17	28♎56	n.a.	S 1
M 2	0 20 47	3°29'47	6♐56	21°27	19° 6	6° 2	28°44	7°53	21♉ 2	20♓37	19♉38	15°46	17°14	29° 2	n.a.	M 2
T 3	0 24 44	4°30'05	18°58	22°53	20°21	6°46	28°50	7°59	21° 2	20°36	19°38	15°48	17°11	29° 9	n.a.	T 3
W 4	0 28 40	5°30'25	1♉16	24°17	21°36	7°31	28°57	8° 6	21° 2	20°34	19°38	15°R49	17° 8	29°16	n.a.	W 4
T 5	0 32 37	6°30'46	13°53	25°41	22°51	8°16	29° 3	8°13	21° 2	20°32	19°38	15°48	17° 4	29°22	n.a.	T 5
F 6	0 36 33	7°31'09	26°54	27° 4	24° 6	9° 1	29°10	8°20	21°D 2	20°31	19°37	15°47	17° 1	29°29	n.a.	F 6
S 7	0 40 30	8°31'34	10♒23	28°26	25°21	9°46	29°17	8°26	21° 2	20°29	19°37	15°43	16°58	29°36	n.a.	S 7
S 8	0 44 27	9°32'00	24°22	29°47	26°36	10°31	29°24	8°33	21° 2	20°28	19°37	15°38	16°55	29°42	n.a.	S 8
M 9	0 48 23	10°32'27	8♓48	1♏ 7	27°51	11°16	29°32	8°39	21° 2	20°26	19°D37	15°33	16°52	29°49	n.a.	M 9
T 10	0 52 20	11°32'56	23°38	2°25	29° 5	12° 1	29°39	8°46	21° 2	20°24	19°37	15°28	16°48	29°56	n.a.	T 10
W11	0 56 16	12°33'26	8♈45	3°43	0♏20	12°46	29°47	8°52	21° 3	20°23	19°37	15°23	16°45	0♏ 2	n.a.	W11
T 12	1 0 13	13°33'58	23°58	4°59	1°35	13°31	29°55	8°59	21° 3	20°21	19°37	15°20	16°42	0° 9	n.a.	T 12
F 13	1 4 9	14°34'32	9♉ 7	6°13	2°50	14°16	0♉ 2	9° 5	21° 3	20°20	19°38	15°D19	16°39	0°16	n.a.	F 13
S 14	1 8 6	15°35'08	24° 5	7°25	4° 5	15° 1	0°10	9°12	21° 3	20°18	19°38	15°19	16°36	0°22	n.a.	S 14
S 15	1 12 2	16°35'46	8♊42	8°35	5°20	15°47	0°19	9°18	21° 4	20°17	19°38	15°20	16°33	0°29	n.a.	S 15
M16	1 15 59	17°36'25	22°57	9°43	6°35	16°32	0°27	9°24	21° 4	20°15	19°38	15°22	16°29	0°36	n.a.	M16
T 17	1 19 56	18°37'06	6♋46	10°48	7°50	17°17	0°36	9°30	21° 5	20°14	19°38	15°23	16°26	0°42	n.a.	T 17
W18	1 23 52	19°37'50	20°12	11°50	9° 5	18° 3	0°44	9°37	21° 6	20°13	19°38	15°R23	16°23	0°49	n.a.	W18
T 19	1 27 49	20°38'35	3♌15	12°48	10°20	18°48	0°53	9°43	21° 6	20°11	19°39	15°23	16°20	0°56	n.a.	T 19
F 20	1 31 45	21°39'21	15°59	13°43	11°35	19°34	1° 2	9°49	21° 7	20°10	19°39	15°21	16°17	1° 2	n.a.	F 20
S 21	1 35 42	22°40'09	28°28	14°33	12°50	20°20	1°11	9°55	21° 8	20° 8	19°39	15°18	16°13	1° 9	n.a.	S 21
S 22	1 39 38	23°40'59	10♍43	15°18	14° 4	21° 5	1°20	10° 1	21° 8	20° 7	19°40	15°15	16°10	1°15	n.a.	S 22
M23	1 43 35	24°41'51	22°48	15°57	15°19	21°51	1°29	10° 7	21° 9	20° 6	19°40	15°11	16° 7	1°22	n.a.	M23
T 24	1 47 31	25°42'44	4♎46	16°30	16°34	22°37	1°39	10°12	21°10	20° 4	19°40	15° 8	16° 4	1°29	n.a.	T 24
W25	1 51 28	26°43'38	16°38	16°55	17°49	23°23	1°48	10°18	21°11	20° 3	19°41	15° 5	16° 1	1°35	n.a.	W25
T 26	1 55 25	27°44'34	28°26	17°13	19° 4	24° 9	1°58	10°24	21°12	20° 2	19°41	15° 3	15°58	1°42	n.a.	T 26
F 27	1 59 21	28°45'31	10♏13	17°R22	20°19	24°55	2° 8	10°30	21°13	20° 1	19°42	15°D 2	15°54	1°49	n.a.	F 27
S 28	2 3 18	29°46'29	22° 1	17°21	21°34	25°41	2°18	10°35	21°14	19°59	19°42	15° 2	15°51	1°55	n.a.	S 28
S 29	2 7 14	0♏47'28	3♐52	17°10	22°48	26°27	2°28	10°41	21°15	19°58	19°43	15° 3	15°48	2° 2	n.a.	S 29
M30	2 11 11	1°48'28	15°49	16°48	24° 3	27°13	2°38	10°46	21°16	19°57	19°43	15° 4	15°45	2° 9	n.a.	M30
T 31	2 15 7	2♏49'30	27♐55	16♏15	25♏18	27♏59	2♉48	10♑52	21♉18	19♓56	19♉44	15♉ 5	15♉42	2♏15	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s 0	20s 6	0s50	9s26	1s38	6s42	0n25	13s59	0s33	24s20	0s35	10n43	2n 6	22s42	0s37	5s29	1s53	31s57	9s47	16n46	17n13	9s43		n.a.
M 2	1 24	23 36	1 53	10 4	1 44	7 14	0 22	14 14	0 34	24 20	0 35	10 40	2 6	22 42	0 37	5 29	1 53	31 57	9 47	16 46	17 12	9 46		n.a.
T 3	1 49	26 7	2 51	10 42	1 49	7 44	0 20	14 30	0 35	24 20	0 35	10 38	2 6	22 42	0 37	5 30	1 53	31 57	9 46	16 47	17 11	9 49		n.a.
W 4	2 13	27 27	3 42	11 19	1 55	8 15	0 18	14 45	0 35	24 20	0 35	10 35	2 6	22 42	0 37	5 31	1 53	31 57	9 46	16 47	17 10	9 53		n.a.
T 5	2 37	27 24	4 25	11 55	2 0	8 46	0 15	15 0	0 36	24 20	0 35	10 33	2 7	22 42	0 37	5 31	1 53	31 57	9 46	16 47	17 9	9 56		n.a.
F 6	3 1	25 52	4 55	12 30	2 5	9 16	0 13	15 16	0 36	24 20	0 35	10 30	2 7	22 42	0 37	5 32	1 53	31 57	9 46	16 47	17 8	9 59		n.a.
S 7	3 25	22 50	5 10	13 4	2 10	9 46	0 10	15 31	0 37	24 20	0 35	10 28	2 7	22 42	0 37	5 32	1 53	31 56	9 46	16 46	17 7	10 2		n.a.
S 8	3 49	18 24	5 8	13 38	2 15	10 16	0 8	15 45	0 37	24 20	0 35	10 26	2 7	22 41	0 37	5 33	1 53	31 56	9 45	16 44	17 6	10 5		n.a.
M 9	4 14	12 47	4 47	14 11	2 19	10 46	0 5	16 0	0 38	24 20	0 35	10 23	2 7	22 41	0 37	5 34	1 53	31 56	9 45	16 43	17 5	10 8		n.a.
T 10	4 37	6 18	4 6	14 42	2 23	11 15	0 3	16 15	0 39	24 20	0 35	10 21	2 7	22 41	0 37	5 34	1 53	31 56	9 45	16 41	17 5	10 11		n.a.
W11	5 1	0n39	3 7	15 12	2 26	11 44	0 0	16 29	0 39	24 20	0 35	10 19	2 7	22 41	0 37	5 35	1 53	31 56	9 45	16 40	17 4	10 15		n.a.
T 12	5 25	7 39	1 54	15 41	2 30	12 13	0s 2	16 44	0 40	24 20	0 35	10 16	2 8	22 41	0 37	5 35	1 53	31 55	9 45	16 39	17 3	10 18		n.a.
F 13	5 49	14 11	0 34	16 9	2 32	12 41	0 5	16 58	0 40	24 20	0 35	10 14	2 8	22 41	0 37	5 36	1 53	31 55	9 44	16 38	17 2	10 21		n.a.
S 14	6 13	19 49	0n48	16 36	2 35	13 10	0 7	17 12	0 41	24 20	0 35	10 12	2 8	22 41	0 37	5 37	1 53	31 55	9 44	16 38	17 1	10 24		n.a.
S 15	6 36	24 6	2 5	17 1	2 36	13 38	0 10	17 26	0 41	24 20	0 35	10 9	2 8	22 41	0 37	5 37	1 53	31 55	9 44	16 39	17 0	10 27		n.a.
M16	7 0	26 45	3 12	17 24	2 38	14 5	0 13	17 40	0 42	24 20	0 36	10 7	2 8	22 41	0 37	5 38	1 53	31 55	9 44	16 39	16 59	10 30		n.a.
T 17	7 23	27 40	4 6	17 45	2 38	14 32	0 15	17 54	0 43	24 20	0 36	10 5	2 8	22 41	0 37	5 38	1 53	31 54	9 44	16 40	16 58	10 34		n.a.
W18	7 47	26 54	4 45	18 5	2 38	14 59	0 18	18 7	0 43	24 20	0 36	10 3	2 8	22 41	0 37	5 39	1 52	31 54	9 43	16 40	16 57	10 37		n.a.
T 19	8 10	24 40	5 8	18 23	2 37	15 26	0 20	18 20	0 44	24 20	0 36	10 1	2 9	22 41	0 37	5 39	1 52	31 54	9 43	16 39	16 56	10 40		n.a.
F 20	8 33	21 15	5 15	18 38	2 36	15 52	0 23	18 34	0 44	24 20	0 36	9 58	2 9	22 40	0 37	5 40	1 52	31 54	9 43	16 39	16 55	10 43		n.a.
S 21	8 56	16 56	5 7	18 51	2 33	16 17	0 25	18 47	0 45	24 20	0 36	9 56	2 9	22 40	0 37	5 40	1 52	31 53	9 43	16 38	16 54	10 46		n.a.
S 22	9 19	12 1	4 44	19 1	2 30	16 43	0 28	18 59	0 45	24 20	0 36	9 54	2 9	22 40	0 37	5 41	1 52	31 53	9 43	16 37	16 53	10 49		n.a.
M23	9 41	6 42	4 10	19 8	2 25	17 8	0 30	19 12	0 46	24 20	0 36	9 52	2 9	22 40	0 37	5 41	1 52	31 53	9 42	16 36	16 53	10 52		n.a.
T 24	10 4	1 12	3 25	19 12	2 19	17 32	0 33	19 24	0 46	24 20	0 36	9 50	2 10	22 40	0 37	5 42	1 52	31 53	9 42	16 35	16 52	10 55		n.a.
W25	10 26	4s18	2 31	19 13	2 12	17 56	0 35	19 37	0 47	24 20	0 36	9 48	2 10	22 40	0 37	5 42	1 52	31 52	9 42	16 34	16 51	10 59		n.a.
T 26	10 48	9 39	1 31	19 10	2 4	18 19	0 38	19 49	0 47	24 20	0 36	9 46	2 10	22 39	0 37	5 43	1 52	31 52	9 42	16 34	16 50	11 2		n.a.
F 27	11 10	14 39	0 27	19 3	1 54	18 42	0 40	20 1	0 48	24 20	0 36	9 44	2 10	22 39	0 37	5 43	1 52	31 52	9 42	16 33	16 49	11 5		n.a.
S 28	11 32	19 8	0s39	18 52	1 43	19 5	0 43	20 12	0 48	24 19	0 36	9 42	2 10	22 39	0 37	5 44	1 52	31 52	9 41	16 33	16 48	11 8		n.a.
S 29	11 54	22 53	1 43	18 37	1 30	19 27	0 45	20 24	0 49	24 19	0 36	9 40	2 11	22 39	0 37	5 44	1 52	31 51	9 41	16 34	16 47	11 11		n.a.
M30	12 15	25 41	2 43	18 17	1 15	19 48	0 48	20 35	0 49	24 19	0 36	9 38	2 11	22 39	0 37	5 45	1 52	31 51	9 41	16 34	16 46	11 14		n.a.
T 31	12s37	27s20	3s36	17s52	0s59	20s 9	0s50	20s46	0s50	24s19	0s36	9n36	2n11	22s38	0s37	5s45	1s52	31s51	9s41	16n34	16n45	11s17		n.a.

Julian Day Number = 1562447.5, Delta T = 04h23m15s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°05'00, Lahiri = - 9°58'00 Julian Calendar 1 Oct. 436 BCE == Greg. Calendar 26 Sept. 436 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

NOVEMBER 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 19 4	3♏50'32	10♑14	15°R31	26♏33	28♏45	2♑59	10♍57	21♑19	19°R55	19♑45	15♉ 7	15♉39	2♏22	n.a.	W 1
T 2	2 23 0	4°51'35	22°49	14♏37	27°48	29°31	3° 9	11° 2	21°20	19♓54	19°45	15° 7	15°35	2°29	n.a.	T 2
F 3	2 26 57	5°52'38	5♒45	13°33	29° 2	0♐18	3°20	11° 7	21°22	19°53	19°46	15°R 8	15°32	2°35	n.a.	F 3
S 4	2 30 54	6°53'43	19° 5	12°20	0♐17	1° 4	3°31	11°12	21°23	19°52	19°47	15° 7	15°29	2°42	n.a.	S 4
S 5	2 34 50	7°54'48	2♓51	11° 2	1°32	1°50	3°41	11°18	21°25	19°51	19°47	15° 7	15°26	2°49	n.a.	S 5
M 6	2 38 47	8°55'53	17° 4	9°40	2°47	2°37	3°52	11°23	21°26	19°50	19°48	15° 6	15°23	2°55	n.a.	M 6
T 7	2 42 43	9°56'59	1♈41	8°17	4° 1	3°23	4° 3	11°27	21°28	19°49	19°49	15° 5	15°19	3° 2	n.a.	T 7
W 8	2 46 40	10°58'06	16°39	6°56	5°16	4° 9	4°14	11°32	21°29	19°48	19°50	15° 5	15°16	3° 9	n.a.	W 8
T 9	2 50 36	11°59'13	1♉49	5°40	6°31	4°56	4°26	11°37	21°31	19°47	19°50	15° 5	15°13	3°15	n.a.	T 9
F 10	2 54 33	13° 0'21	17° 4	4°30	7°45	5°42	4°37	11°42	21°33	19°46	19°51	15°D 5	15°10	3°22	n.a.	F 10
S 11	2 58 29	14° 1'30	2♊12	3°30	9° 0	6°29	4°48	11°46	21°34	19°45	19°52	15° 5	15° 7	3°28	n.a.	S 11
S 12	3 2 26	15° 2'40	17° 4	2°39	10°15	7°16	5° 0	11°51	21°36	19°44	19°53	15°R 5	15° 4	3°35	n.a.	S 12
M13	3 6 23	16° 3'51	1♋35	2° 0	11°29	8° 2	5°12	11°55	21°38	19°44	19°54	15° 5	15° 0	3°42	n.a.	M13
T 14	3 10 19	17° 5'02	15°39	1°32	12°44	8°49	5°23	12° 0	21°40	19°43	19°55	15° 4	14°57	3°48	n.a.	T 14
W15	3 14 16	18° 6'14	29°15	1°14	13°58	9°36	5°35	12° 4	21°42	19°42	19°56	15° 4	14°54	3°55	n.a.	W15
T 16	3 18 12	19° 7'27	12♌25	1°D 8	15°13	10°22	5°47	12° 8	21°44	19°41	19°57	15° 4	14°51	4° 2	n.a.	T 16
F 17	3 22 9	20° 8'41	25°11	1°11	16°27	11° 9	5°59	12°12	21°46	19°41	19°58	15°D 4	14°48	4° 8	n.a.	F 17
S 18	3 26 5	21° 9'56	7♍36	1°23	17°42	11°56	6°11	12°16	21°48	19°40	19°59	15° 4	14°45	4°15	n.a.	S 18
S 19	3 30 2	22°11'11	19°46	1°44	18°57	12°43	6°23	12°20	21°50	19°40	20° 0	15° 5	14°41	4°22	n.a.	S 19
M20	3 33 59	23°12'26	1♎45	2°13	20°11	13°30	6°35	12°24	21°52	19°39	20° 1	15° 6	14°38	4°28	n.a.	M20
T 21	3 37 55	24°13'43	13°36	2°49	21°25	14°17	6°48	12°28	21°54	19°38	20° 2	15° 7	14°35	4°35	n.a.	T 21
W22	3 41 52	25°14'59	25°23	3°31	22°40	15° 4	7° 0	12°32	21°57	19°38	20° 3	15° 8	14°32	4°42	n.a.	W22
T 23	3 45 48	26°16'16	7♏10	4°18	23°54	15°51	7°13	12°35	21°59	19°38	20° 4	15° 8	14°29	4°48	n.a.	T 23
F 24	3 49 45	27°17'34	18°59	5°10	25° 9	16°38	7°25	12°39	22° 1	19°37	20° 5	15°R 8	14°25	4°55	n.a.	F 24
S 25	3 53 41	28°18'52	0♐52	6° 6	26°23	17°25	7°38	12°42	22° 3	19°37	20° 6	15° 8	14°22	5° 2	n.a.	S 25
S 26	3 57 38	29°20'09	12°52	7° 6	27°38	18°12	7°50	12°45	22° 6	19°36	20° 8	15° 6	14°19	5° 8	n.a.	S 26
M27	4 1 34	0♐21'27	25° 0	8°10	28°52	18°59	8° 3	12°49	22° 8	19°36	20° 9	15° 4	14°16	5°15	n.a.	M27
T 28	4 5 31	1°22'45	7♑18	9°16	0♑ 6	19°46	8°16	12°52	22°11	19°36	20°10	15° 2	14°13	5°21	n.a.	T 28
W29	4 9 28	2°24'03	19°47	10°25	1°21	20°33	8°29	12°55	22°13	19°36	20°11	14°59	14°10	5°28	n.a.	W29
T 30	4 13 24	3♐25'20	2♒30	11♏37	2♑35	21♐20	8♑42	12♍58	22♑16	19♓35	20♑13	14♉57	14♉ 6	5♏35	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	12s58	27s41	4s21	17s22	0s42	20s29	0s53	20s57	0s50	24s19	0s36	9n34	2n11	22s38	0s36	5s45	1s52	31s50	9s41	16n35	16n44	11s20		n.a.	W 1
T 2	13 19	26 37	4 54	16 48	0 23	20 49	0 55	21 8	0 51	24 18	0 36	9 32	2 11	22 38	0 36	5 46	1 52	31 50	9 40	16 35	16 43	11 24		n.a.	T 2
F 3	13 39	24 8	5 14	16 9	0 3	21 8	0 57	21 18	0 51	24 18	0 36	9 31	2 12	22 38	0 36	5 46	1 52	31 50	9 40	16 35	16 42	11 27		n.a.	F 3
S 4	14 0	20 18	5 17	15 28	0n17	21 27	0 59	21 29	0 51	24 18	0 36	9 29	2 12	22 37	0 36	5 47	1 52	31 50	9 40	16 35	16 41	11 30		n.a.	S 4
S 5	14 20	15 17	5 3	14 44	0 38	21 44	1 2	21 39	0 52	24 18	0 36	9 27	2 12	22 37	0 36	5 47	1 52	31 49	9 40	16 35	16 40	11 33		n.a.	S 5
M 6	14 40	9 18	4 30	13 59	0 58	22 2	1 4	21 48	0 52	24 17	0 36	9 25	2 12	22 37	0 36	5 47	1 52	31 49	9 40	16 35	16 39	11 36		n.a.	M 6
T 7	14 59	2 39	3 39	13 14	1 18	22 18	1 6	21 58	0 53	24 17	0 36	9 24	2 12	22 37	0 36	5 48	1 52	31 49	9 40	16 34	16 39	11 39		n.a.	T 7
W 8	15 19	4n18	2 32	12 30	1 36	22 34	1 8	22 7	0 53	24 17	0 36	9 22	2 13	22 36	0 36	5 48	1 52	31 48	9 39	16 34	16 38	11 42		n.a.	W 8
T 9	15 38	11 7	1 13	11 49	1 52	22 50	1 10	22 16	0 54	24 16	0 36	9 20	2 13	22 36	0 36	5 48	1 52	31 48	9 39	16 34	16 37	11 45		n.a.	T 9
F 10	15 57	17 19	0n11	11 12	2 7	23 5	1 12	22 25	0 54	24 16	0 36	9 19	2 13	22 36	0 36	5 49	1 52	31 48	9 39	16 34	16 36	11 48		n.a.	F 10
S 11	16 15	22 24	1 34	10 40	2 19	23 19	1 14	22 34	0 54	24 16	0 36	9 17	2 13	22 35	0 36	5 49	1 52	31 47	9 39	16 34	16 35	11 51		n.a.	S 11
S 12	16 34	25 55	2 49	10 13	2 29	23 32	1 16	22 42	0 55	24 15	0 36	9 16	2 14	22 35	0 36	5 49	1 51	31 47	9 39	16 34	16 34	11 55		n.a.	S 12
M13	16 52	27 35	3 51	9 52	2 37	23 45	1 18	22 50	0 55	24 15	0 36	9 14	2 14	22 35	0 36	5 49	1 51	31 47	9 39	16 34	16 33	11 58		n.a.	M13
T 14	17 9	27 24	4 37	9 36	2 43	23 57	1 20	22 58	0 56	24 14	0 36	9 13	2 14	22 35	0 36	5 50	1 51	31 46	9 38	16 34	16 32	12 1		n.a.	T 14
W15	17 27	25 33	5 6	9 27	2 47	24 8	1 22	23 6	0 56	24 14	0 36	9 11	2 14	22 34	0 36	5 50	1 51	31 46	9 38	16 34	16 31	12 4		n.a.	W15
T 16	17 44	22 22	5 18	9 22	2 50	24 18	1 24	23 13	0 56	24 13	0 36	9 10	2 15	22 34	0 36	5 50	1 51	31 46	9 38	16 34	16 30	12 7		n.a.	T 16
F 17	18 1	18 12	5 13	9 23	2 50	24 28	1 26	23 20	0 57	24 13	0 36	9 9	2 15	22 34	0 36	5 50	1 51	31 46	9 38	16 34	16 29	12 10		n.a.	F 17
S 18	18 17	13 21	4 54	9 28	2 49	24 37	1 27	23 27	0 57	24 12	0 36	9 7	2 15	22 33	0 36	5 51	1 51	31 45	9 38	16 34	16 28	12 13		n.a.	S 18
S 19	18 33	8 6	4 22	9 37	2 47	24 45	1 29	23 34	0 57	24 12	0 36	9 6	2 15	22 33	0 36	5 51	1 51	31 45	9 38	16 34	16 27	12 16		n.a.	S 19
M20	18 49	2 38	3 39	9 50	2 44	24 53	1 30	23 40	0 58	24 11	0 36	9 5	2 16	22 32	0 36	5 51	1 51	31 45	9 37	16 34	16 26	12 19		n.a.	M20
T 21	19 4	2s53	2 46	10 6	2 41	25 0	1 32	23 46	0 58	24 11	0 36	9 3	2 16	22 32	0 36	5 51	1 51	31 44	9 37	16 35	16 25	12 22		n.a.	T 21
W22	19 19	8 17	1 48	10 24	2 36	25 6	1 33	23 52	0 58	24 10	0 36	9 2	2 16	22 32	0 36	5 51	1 51	31 44	9 37	16 35	16 24	12 25		n.a.	W22
T 23	19 34	13 23	0 44	10 45	2 30	25 11	1 35	23 58	0 59	24 9	0 36	9 1	2 16	22 31	0 36	5 51	1 51	31 44	9 37	16 35	16 23	12 28		n.a.	T 23
F 24	19 49	18 2	0s21	11 9	2 25	25 16	1 36	24 3	0 59	24 9	0 36	9 0	2 17	22 31	0 36	5 51	1 51	31 43	9 37	16 35	16 22	12 32		n.a.	F 24
S 25	20 3	22 0	1 26	11 33	2 18	25 19	1 37	24 8	0 59	24 8	0 36	8 59	2 17	22 30	0 36	5 52	1 51	31 43	9 37	16 35	16 21	12 35		n.a.	S 25
S 26	20 16	25 5	2 28	12 0	2 12	25 22	1 39	24 12	1 0	24 7	0 36	8 58	2 17	22 30	0 36	5 52	1 51	31 43	9 36	16 35	16 21	12 38		n.a.	S 26
M27	20 29	27 2	3 23	12 27	2 4	25 24	1 40	24 17	1 0	24 7	0 37	8 57	2 17	22 30	0 36	5 52	1 51	31 42	9 36	16 34	16 20	12 41		n.a.	M27
T 28	20 42	27 42	4 10	12 55	1 57	25 26	1 41	24 21	1 0	24 6	0 37	8 56	2 18	22 29	0 36	5 52	1 51	31 42	9 36	16 33	16 19	12 44		n.a.	T 28
W29	20 55	26 59	4 46	13 24	1 50	25 26	1 42	24 25	1 1	24 5	0 37	8 55	2 18	22 29	0 36	5 52	1 51	31 42	9 36	16 32	16 18	12 47		n.a.	W29
T 30	21s 7	24s51	5s 8	13s54	1n42	25s26	1s43	24s28	1s 1	24s 4	0s37	8n54	2n18	22s28	0s36	5s52	1s51	31s41	9s36	16n32	16n17	12s50		n.a.	T 30

Julian Day Number = 1562478.5, Delta T = 04h23m14s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'56, Lahiri = - 9°57'55 Julian Calendar 1 Nov. 436 BCE == Greg. Calendar 27 Oct. 436 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 436 BCE
geocentric

DECEMBER 436 BCE (-435) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 17 21	4♐26'37	15♒29	12♏50	3♑49	22♐ 7	8♑55	13♍ 1	22♑18	19°R35	20♑14	14°R55	14♉ 3	5♏41	n.a.	F 1
S 2	4 21 17	5°27'54	28°45	14° 5	5° 3	22°54	9° 8	13° 3	22°21	19♓35	20°15	14♉54	14° 0	5°48	n.a.	S 2
S 3	4 25 14	6°29'10	12♓21	15°22	6°17	23°42	9°21	13° 6	22°24	19°35	20°17	14°D54	13°57	5°55	n.a.	S 3
M 4	4 29 10	7°30'26	26°18	16°41	7°32	24°29	9°34	13° 9	22°26	19°35	20°18	14°54	13°54	6° 1	n.a.	M 4
T 5	4 33 7	8°31'41	10♈35	18° 0	8°46	25°16	9°48	13°11	22°29	19°35	20°19	14°56	13°51	6° 8	n.a.	T 5
W 6	4 37 3	9°32'55	25°11	19°21	10° 0	26° 3	10° 1	13°14	22°32	19°D35	20°21	14°57	13°47	6°15	n.a.	W 6
T 7	4 41 0	10°34'09	10♉ 2	20°43	11°14	26°51	10°14	13°16	22°34	19°35	20°22	14°R58	13°44	6°21	n.a.	T 7
F 8	4 44 57	11°35'23	25° 1	22° 6	12°28	27°38	10°28	13°18	22°37	19°35	20°24	14°58	13°41	6°28	n.a.	F 8
S 9	4 48 53	12°36'36	10♊ 0	23°30	13°42	28°25	10°41	13°20	22°40	19°35	20°25	14°56	13°38	6°35	n.a.	S 9
S 10	4 52 50	13°37'48	24°52	24°55	14°56	29°12	10°55	13°22	22°43	19°35	20°26	14°53	13°35	6°41	n.a.	S 10
M11	4 56 46	14°39'01	9♋27	26°20	16°10	29°59	11° 8	13°24	22°46	19°35	20°28	14°49	13°31	6°48	n.a.	M11
T 12	5 0 43	15°40'12	23°39	27°47	17°23	0♑47	11°22	13°26	22°49	19°35	20°29	14°44	13°28	6°55	n.a.	T 12
W13	5 4 39	16°41'24	7♌25	29°14	18°37	1°34	11°36	13°27	22°52	19°36	20°31	14°39	13°25	7° 1	n.a.	W13
T 14	5 8 36	17°42'35	20°44	0♐42	19°51	2°22	11°49	13°29	22°55	19°36	20°32	14°35	13°22	7° 8	n.a.	T 14
F 15	5 12 33	18°43'46	3♍36	2°10	21° 5	3° 9	12° 3	13°30	22°58	19°36	20°34	14°32	13°19	7°15	n.a.	F 15
S 16	5 16 29	19°44'56	16° 6	3°39	22°18	3°57	12°17	13°32	23° 1	19°37	20°35	14°D31	13°16	7°21	n.a.	S 16
S 17	5 20 26	20°46'06	28°17	5° 8	23°32	4°44	12°31	13°33	23° 4	19°37	20°37	14°31	13°12	7°28	n.a.	S 17
M18	5 24 22	21°47'15	10♎14	6°39	24°46	5°31	12°44	13°34	23° 7	19°37	20°38	14°33	13° 9	7°34	n.a.	M18
T 19	5 28 19	22°48'24	22° 4	8°10	25°59	6°19	12°58	13°35	23°10	19°38	20°40	14°35	13° 6	7°41	n.a.	T 19
W20	5 32 15	23°49'32	3♏50	9°41	27°13	7° 6	13°12	13°36	23°13	19°38	20°42	14°36	13° 3	7°48	n.a.	W20
T 21	5 36 12	24°50'39	15°37	11°13	28°26	7°54	13°26	13°37	23°16	19°39	20°43	14°R37	13° 0	7°54	n.a.	T 21
F 22	5 40 8	25°51'46	27°30	12°46	29°40	8°41	13°40	13°37	23°19	19°39	20°45	14°36	12°57	8° 1	n.a.	F 22
S 23	5 44 5	26°52'52	9♐30	14°19	0♒53	9°28	13°54	13°38	23°22	19°40	20°46	14°33	12°53	8° 8	n.a.	S 23
S 24	5 48 2	27°53'57	21°42	15°53	2° 6	10°16	14° 8	13°39	23°26	19°40	20°48	14°27	12°50	8°14	n.a.	S 24
M25	5 51 58	28°55'02	4♑ 5	17°27	3°20	11° 3	14°23	13°39	23°29	19°41	20°50	14°20	12°47	8°21	n.a.	M25
T 26	5 55 55	29°56'05	16°41	19° 2	4°33	11°51	14°37	13°39	23°32	19°42	20°51	14°12	12°44	8°28	n.a.	T 26
W27	5 59 51	0♑57'07	29°29	20°38	5°46	12°38	14°51	13°39	23°35	19°43	20°53	14° 3	12°41	8°34	n.a.	W27
T 28	6 3 48	1°58'08	12♒30	22°14	6°59	13°26	15° 5	13°R40	23°39	19°43	20°55	13°54	12°37	8°41	n.a.	T 28
F 29	6 7 44	2°59'07	25°43	23°51	8°12	14°13	15°19	13°40	23°42	19°44	20°56	13°47	12°34	8°48	n.a.	F 29
S 30	6 11 41	4° 0'05	9♓ 9	25°29	9°25	15° 0	15°33	13°39	23°45	19°45	20°58	13°42	12°31	8°54	n.a.	S 30
S 31	6 15 38	5♑ 1'01	22♓47	27♐ 7	10♒38	15♑48	15♑48	13♍39	23♑48	19♓46	21♑ 0	13♉40	12♉28	9♏ 1	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s18	21s25	5s16	14s24	1n34	25s25	1s44	24s32	1s 1	24s 3	0s37	8n53	2n18	22s28	0s36	5s52	1s50	31s41	9s36	16n31	16n16	12s53		n.a.
S 2	21 30	16 50	5 7	14 54	1 26	25 23	1 44	24 35	1 1	24 2	0 37	8 52	2 19	22 27	0 36	5 52	1 50	31 41	9 36	16 31	16 15	12 56		n.a.
S 3	21 40	11 19	4 40	15 24	1 19	25 21	1 45	24 37	1 2	24 2	0 37	8 51	2 19	22 27	0 36	5 52	1 50	31 40	9 36	16 31	16 14	12 59		n.a.
M 4	21 51	5 6	3 57	15 55	1 11	25 17	1 46	24 40	1 2	24 1	0 37	8 51	2 19	22 27	0 36	5 52	1 50	31 40	9 35	16 31	16 13	13 2		n.a.
T 5	22 1	1n31	2 58	16 25	1 3	25 13	1 46	24 42	1 2	24 0	0 37	8 50	2 20	22 26	0 36	5 52	1 50	31 40	9 35	16 32	16 12	13 5		n.a.
W 6	22 10	8 13	1 47	16 55	0 55	25 9	1 47	24 44	1 2	23 59	0 37	8 49	2 20	22 26	0 36	5 52	1 50	31 39	9 35	16 32	16 11	13 8		n.a.
T 7	22 19	14 35	0 27	17 25	0 47	25 3	1 47	24 45	1 3	23 58	0 37	8 49	2 20	22 25	0 36	5 52	1 50	31 39	9 35	16 32	16 10	13 11		n.a.
F 8	22 28	20 9	0n55	17 54	0 39	24 56	1 48	24 46	1 3	23 57	0 37	8 48	2 20	22 25	0 36	5 52	1 50	31 39	9 35	16 32	16 9	13 14		n.a.
S 9	22 36	24 26	2 13	18 23	0 31	24 49	1 48	24 47	1 3	23 56	0 37	8 48	2 21	22 24	0 36	5 52	1 50	31 38	9 35	16 32	16 8	13 17		n.a.
S 10	22 44	27 0	3 22	18 52	0 23	24 41	1 48	24 48	1 3	23 55	0 37	8 47	2 21	22 24	0 36	5 51	1 50	31 38	9 35	16 31	16 7	13 20		n.a.
M11	22 51	27 39	4 16	19 20	0 16	24 33	1 48	24 48	1 3	23 54	0 37	8 47	2 21	22 23	0 36	5 51	1 50	31 38	9 35	16 29	16 6	13 23		n.a.
T 12	22 58	26 26	4 52	19 47	0 8	24 23	1 48	24 48	1 4	23 52	0 37	8 46	2 22	22 23	0 36	5 51	1 50	31 37	9 35	16 28	16 5	13 26		n.a.
W13	23 4	23 39	5 10	20 14	0 1	24 13	1 48	24 48	1 4	23 51	0 37	8 46	2 22	22 22	0 36	5 51	1 50	31 37	9 35	16 27	16 4	13 29		n.a.
T 14	23 10	19 40	5 11	20 40	0s 7	24 2	1 48	24 48	1 4	23 50	0 37	8 45	2 22	22 22	0 36	5 51	1 50	31 37	9 34	16 25	16 3	13 32		n.a.
F 15	23 16	14 54	4 56	21 5	0 14	23 51	1 48	24 47	1 4	23 49	0 37	8 45	2 22	22 21	0 36	5 51	1 50	31 36	9 34	16 25	16 2	13 36		n.a.
S 16	23 21	9 38	4 27	21 30	0 21	23 38	1 47	24 46	1 4	23 48	0 37	8 45	2 23	22 21	0 36	5 50	1 50	31 36	9 34	16 24	16 1	13 39		n.a.
S 17	23 25	4 9	3 46	21 53	0 28	23 25	1 47	24 44	1 4	23 46	0 37	8 45	2 23	22 20	0 36	5 50	1 50	31 36	9 34	16 24	16 0	13 42		n.a.
M18	23 29	1s24	2 57	22 16	0 34	23 12	1 47	24 43	1 5	23 45	0 38	8 44	2 23	22 20	0 36	5 50	1 49	31 35	9 34	16 25	15 59	13 45		n.a.
T 19	23 33	6 51	2 0	22 37	0 41	22 57	1 46	24 40	1 5	23 44	0 38	8 44	2 24	22 19	0 36	5 50	1 49	31 35	9 34	16 25	15 58	13 48		n.a.
W20	23 36	12 3	0 58	22 58	0 47	22 42	1 45	24 38	1 5	23 43	0 38	8 44	2 24	22 18	0 36	5 50	1 49	31 35	9 34	16 26	15 57	13 51		n.a.
T 21	23 39	16 49	0s 5	23 18	0 53	22 27	1 45	24 36	1 5	23 41	0 38	8 44	2 24	22 18	0 36	5 49	1 49	31 34	9 34	16 26	15 56	13 54		n.a.
F 22	23 41	20 59	1 10	23 36	0 59	22 11	1 44	24 33	1 5	23 40	0 38	8 44	2 24	22 17	0 36	5 49	1 49	31 34	9 34	16 25	15 55	13 57		n.a.
S 23	23 43	24 19	2 11	23 54	1 5	21 54	1 43	24 29	1 5	23 38	0 38	8 44	2 25	22 17	0 36	5 49	1 49	31 34	9 34	16 25	15 54	14 0		n.a.
S 24	23 44	26 36	3 7	24 10	1 11	21 36	1 42	24 26	1 5	23 37	0 38	8 44	2 25	22 16	0 36	5 48	1 49	31 33	9 34	16 23	15 54	14 3		n.a.
M25	23 45	27 37	3 56	24 25	1 16	21 18	1 41	24 22	1 5	23 36	0 38	8 44	2 25	22 16	0 36	5 48	1 49	31 33	9 34	16 21	15 53	14 6		n.a.
T 26	23 45	27 13	4 33	24 38	1 21	20 59	1 40	24 18	1 6	23 34	0 38	8 45	2 26	22 15	0 36	5 48	1 49	31 33	9 34	16 18	15 52	14 9		n.a.
W27	23 45	25 22	4 58	24 51	1 26	20 40	1 38	24 14	1 6	23 33	0 38	8 45	2 26	22 15	0 36	5 48	1 49	31 32	9 34	16 16	15 51	14 12		n.a.
T 28	23 44	22 11	5 7	25 2	1 31	20 20	1 37	24 9	1 6	23 31	0 38	8 45	2 26	22 14	0 36	5 47	1 49	31 32	9 34	16 13	15 50	14 15		n.a.
F 29	23 43	17 49	5 1	25 11	1 35	19 59	1 36	24 4	1 6	23 29	0 38	8 45	2 26	22 13	0 36	5 47	1 49	31 32	9 34	16 11	15 49	14 18		n.a.
S 30	23 41	12 31	4 38	25 19	1 39	19 38	1 34	23 59	1 6	23 28	0 38	8 46	2 27	22 13	0 36	5 46	1 49	31 32	9 34	16 9	15 48	14 21		n.a.
S 31	23s39	6s33	3s59	25s26	1s43	19s17	1s33	23s54	1s 6	23s26	0s38	8n46	2n27	22s12	0s36	5s46	1s49	31s31	9s34	16n 9	15n47	14s24		n.a.

Julian Day Number = 1562508.5, Delta T = 04h23m12s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'52, Lahiri = - 9°57'51 Julian Calendar 1 Dec. 436 BCE == Greg. Calendar 26 Nov. 436 BCE

The year -435 astronomical counting style corresponds to year 436 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

JANUARY 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 19 34	6♑ 1'56	6♈37	28♐47	11♒51	16♑35	16♑ 2	13°R39	23♑52	19♓47	21♑ 1	13°D39	12♉25	9♏ 7	n.a.	M 1
T 2	6 23 31	7° 2'49	20°39	0♑26	13° 3	17°23	16°16	13♏38	23°55	19°48	21° 3	13♉39	12°22	9°14	n.a.	T 2
W 3	6 27 27	8° 3'41	4♉54	2° 7	14°16	18°10	16°30	13°38	23°58	19°48	21° 5	13°40	12°18	9°21	n.a.	W 3
T 4	6 31 24	9° 4'31	19°20	3°48	15°29	18°57	16°45	13°37	24° 2	19°49	21° 7	13°R40	12°15	9°27	n.a.	T 4
F 5	6 35 20	10° 5'19	3♊53	5°30	16°41	19°45	16°59	13°36	24° 5	19°50	21° 8	13°39	12°12	9°34	n.a.	F 5
S 6	6 39 17	11° 6'06	18°28	7°13	17°54	20°32	17°13	13°35	24° 9	19°52	21°10	13°34	12° 9	9°41	n.a.	S 6
S 7	6 43 13	12° 6'52	3♋ 0	8°57	19° 6	21°19	17°28	13°34	24°12	19°53	21°12	13°28	12° 6	9°47	n.a.	S 7
M 8	6 47 10	13° 7'36	17°22	10°41	20°18	22° 7	17°42	13°33	24°15	19°54	21°13	13°19	12° 3	9°54	n.a.	M 8
T 9	6 51 7	14° 8'18	1♌28	12°26	21°30	22°54	17°56	13°32	24°19	19°55	21°15	13° 8	11°59	10° 1	n.a.	T 9
W10	6 55 3	15° 8'59	15°12	14°13	22°42	23°41	18°11	13°31	24°22	19°56	21°17	12°58	11°56	10° 7	n.a.	W10
T 11	6 59 0	16° 9'38	28°32	15°59	23°54	24°29	18°25	13°30	24°26	19°57	21°19	12°48	11°53	10°14	n.a.	T 11
F 12	7 2 56	17°10'16	11♍28	17°47	25° 6	25°16	18°40	13°28	24°29	19°58	21°20	12°40	11°50	10°21	n.a.	F 12
S 13	7 6 53	18°10'53	24° 1	19°35	26°18	26° 3	18°54	13°27	24°33	20° 0	21°22	12°35	11°47	10°27	n.a.	S 13
S 14	7 10 49	19°11'28	6♎15	21°25	27°30	26°50	19° 8	13°25	24°36	20° 1	21°24	12°32	11°43	10°34	n.a.	S 14
M15	7 14 46	20°12'02	18°15	23°14	28°42	27°38	19°23	13°23	24°40	20° 2	21°26	12°D31	11°40	10°41	n.a.	M15
T 16	7 18 42	21°12'34	0♏ 5	25° 5	29°53	28°25	19°37	13°21	24°43	20° 4	21°27	12°31	11°37	10°47	n.a.	T 16
W17	7 22 39	22°13'05	11°52	26°56	1♓ 5	29°12	19°51	13°19	24°46	20° 5	21°29	12°R32	11°34	10°54	n.a.	W17
T 18	7 26 36	23°13'35	23°41	28°48	2°16	29°59	20° 6	13°17	24°50	20° 6	21°31	12°31	11°31	11° 0	n.a.	T 18
F 19	7 30 32	24°14'03	5♐37	0♒40	3°27	0♒47	20°20	13°15	24°53	20° 8	21°33	12°29	11°28	11° 7	n.a.	F 19
S 20	7 34 29	25°14'29	17°44	2°32	4°38	1°34	20°35	13°13	24°57	20° 9	21°34	12°24	11°24	11°14	n.a.	S 20
S 21	7 38 25	26°14'54	0♑ 5	4°25	5°49	2°21	20°49	13°10	25° 0	20°11	21°36	12°16	11°21	11°20	n.a.	S 21
M22	7 42 22	27°15'18	12°43	6°17	7° 0	3° 8	21° 3	13° 8	25° 4	20°12	21°38	12° 5	11°18	11°27	n.a.	M22
T 23	7 46 18	28°15'39	25°38	8°10	8°11	3°55	21°18	13° 5	25° 7	20°14	21°40	11°53	11°15	11°34	n.a.	T 23
W24	7 50 15	29°15'59	8♒49	10° 2	9°22	4°42	21°32	13° 3	25°11	20°15	21°41	11°40	11°12	11°40	n.a.	W24
T 25	7 54 11	0♒16'16	22°14	11°53	10°32	5°29	21°46	13° 0	25°14	20°17	21°43	11°27	11° 9	11°47	n.a.	T 25
F 26	7 58 8	1°16'32	5♓51	13°43	11°43	6°16	22° 1	12°57	25°18	20°19	21°45	11°16	11° 5	11°54	n.a.	F 26
S 27	8 2 5	2°16'45	19°38	15°31	12°53	7° 3	22°15	12°55	25°21	20°20	21°46	11° 8	11° 2	12° 0	n.a.	S 27
S 28	8 6 1	3°16'57	3♈31	17°18	14° 3	7°50	22°29	12°52	25°24	20°22	21°48	11° 3	10°59	12° 7	n.a.	S 28
M29	8 9 58	4°17'06	17°29	19° 2	15°14	8°37	22°43	12°49	25°28	20°23	21°50	11° 0	10°56	12°14	n.a.	M29
T 30	8 13 54	5°17'12	1♉31	20°44	16°23	9°24	22°58	12°45	25°31	20°25	21°52	10°59	10°53	12°20	n.a.	T 30
W31	8 17 51	6♒17'17	15♉36	22♒22	17♓33	10♒11	23♑12	12♏42	25♑35	20♓27	21♑53	10♉59	10♉49	12♏27	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23s37	0s11	3s 6	25s31	1s46	18s55	1s31	23s48	1s 6	23s25	0s38	8n46	2n27	22s12	0s36	5s46	1s49	31s31	9s34	16n 8	15n46	14s27			n.a.
T 2	23 34	6n19	2 1	25 34	1 49	18 32	1 29	23 42	1 6	23 23	0 39	8 47	2 28	22 11	0 35	5 45	1 49	31 31	9 34	16 9	15 45	14 30			n.a.
W 3	23 30	12 35	0 47	25 36	1 52	18 9	1 27	23 35	1 6	23 21	0 39	8 47	2 28	22 10	0 35	5 45	1 49	31 30	9 34	16 9	15 44	14 32			n.a.
T 4	23 26	18 16	0n30	25 36	1 55	17 46	1 26	23 29	1 6	23 20	0 39	8 48	2 28	22 10	0 35	5 44	1 48	31 30	9 34	16 9	15 43	14 35			n.a.
F 5	23 22	22 56	1 46	25 35	1 57	17 22	1 24	23 22	1 6	23 18	0 39	8 48	2 28	22 9	0 35	5 44	1 48	31 30	9 34	16 8	15 42	14 38			n.a.
S 6	23 17	26 9	2 55	25 31	1 58	16 57	1 21	23 15	1 6	23 16	0 39	8 49	2 29	22 9	0 35	5 43	1 48	31 30	9 34	16 7	15 41	14 41			n.a.
S 7	23 11	27 35	3 52	25 26	2 0	16 33	1 19	23 7	1 6	23 14	0 39	8 50	2 29	22 8	0 35	5 43	1 48	31 29	9 34	16 5	15 40	14 44			n.a.
M 8	23 6	27 8	4 34	25 19	2 1	16 7	1 17	23 0	1 6	23 12	0 39	8 50	2 29	22 7	0 35	5 42	1 48	31 29	9 34	16 2	15 39	14 47			n.a.
T 9	22 59	24 56	4 58	25 10	2 1	15 42	1 15	22 52	1 6	23 11	0 39	8 51	2 29	22 7	0 35	5 42	1 48	31 29	9 34	15 59	15 38	14 50			n.a.
W10	22 53	21 19	5 4	24 59	2 1	15 16	1 12	22 44	1 6	23 9	0 39	8 52	2 30	22 6	0 35	5 41	1 48	31 28	9 34	15 56	15 37	14 53			n.a.
T 11	22 45	16 42	4 53	24 47	2 1	14 49	1 10	22 35	1 6	23 7	0 39	8 52	2 30	22 6	0 35	5 41	1 48	31 28	9 34	15 53	15 36	14 56			n.a.
F 12	22 38	11 27	4 27	24 32	2 0	14 22	1 7	22 26	1 6	23 5	0 39	8 53	2 30	22 5	0 35	5 40	1 48	31 28	9 34	15 51	15 35	14 59			n.a.
S 13	22 30	5 54	3 49	24 15	1 59	13 55	1 5	22 18	1 6	23 3	0 39	8 54	2 31	22 4	0 35	5 40	1 48	31 28	9 34	15 49	15 34	15 2			n.a.
S 14	22 21	0 15	3 1	23 57	1 57	13 28	1 2	22 8	1 6	23 1	0 40	8 55	2 31	22 4	0 35	5 39	1 48	31 27	9 34	15 48	15 33	15 5			n.a.
M15	22 12	5s19	2 6	23 36	1 54	13 0	0 59	21 59	1 6	22 59	0 40	8 56	2 31	22 3	0 35	5 39	1 48	31 27	9 34	15 48	15 32	15 8			n.a.
T 16	22 3	10 37	1 6	23 13	1 51	12 32	0 56	21 49	1 6	22 57	0 40	8 57	2 31	22 2	0 35	5 38	1 48	31 27	9 34	15 48	15 31	15 11			n.a.
W17	21 53	15 32	0 4	22 48	1 48	12 4	0 53	21 39	1 6	22 55	0 40	8 58	2 32	22 2	0 35	5 38	1 48	31 27	9 34	15 48	15 30	15 14			n.a.
T 18	21 43	19 53	0s59	22 21	1 44	11 35	0 50	21 29	1 6	22 53	0 40	8 59	2 32	22 1	0 35	5 37	1 48	31 26	9 34	15 48	15 29	15 17			n.a.
F 19	21 33	23 29	2 0	21 53	1 39	11 6	0 47	21 19	1 6	22 51	0 40	9 0	2 32	22 1	0 36	5 36	1 48	31 26	9 34	15 47	15 28	15 20			n.a.
S 20	21 22	26 5	2 55	21 22	1 33	10 37	0 44	21 8	1 6	22 49	0 40	9 1	2 32	22 0	0 36	5 36	1 48	31 26	9 34	15 45	15 27	15 23			n.a.
S 21	21 10	27 29	3 44	20 49	1 27	10 7	0 41	20 57	1 5	22 47	0 40	9 2	2 33	21 59	0 36	5 35	1 48	31 26	9 34	15 43	15 26	15 26			n.a.
M22	20 59	27 29	4 23	20 14	1 21	9 38	0 37	20 46	1 5	22 44	0 40	9 3	2 33	21 59	0 36	5 34	1 48	31 26	9 34	15 40	15 25	15 29			n.a.
T 23	20 47	26 1	4 49	19 38	1 13	9 8	0 34	20 35	1 5	22 42	0 40	9 5	2 33	21 58	0 36	5 34	1 48	31 25	9 34	15 36	15 24	15 31			n.a.
W24	20 34	23 7	5 0	19 0	1 5	8 38	0 31	20 23	1 5	22 40	0 41	9 6	2 33	21 57	0 36	5 33	1 48	31 25	9 35	15 32	15 23	15 34			n.a.
T 25	20 21	18 55	4 55	18 21	0 56	8 8	0 27	20 12	1 5	22 38	0 41	9 7	2 34	21 57	0 36	5 32	1 47	31 25	9 35	15 28	15 22	15 37			n.a.
F 26	20 8	13 43	4 34	17 40	0 47	7 37	0 23	20 0	1 5	22 36	0 41	9 8	2 34	21 56	0 36	5 32	1 47	31 25	9 35	15 24	15 21	15 40			n.a.
S 27	19 54	7 46	3 56	16 58	0 36	7 7	0 20	19 48	1 5	22 33	0 41	9 10	2 34	21 56	0 36	5 31	1 47	31 24	9 35	15 22	15 20	15 43			n.a.
S 28	19 40	1 24	3 4	16 15	0 25	6 36	0 16	19 35	1 5	22 31	0 41	9 11	2 34	21 55	0 36	5 30	1 47	31 24	9 35	15 20	15 19	15 46			n.a.
M29	19 26	5n 5	2 1	15 32	0 14	6 5	0 12	19 23	1 5	22 29	0 41	9 13	2 35	21 54	0 36	5 30	1 47	31 24	9 35	15 19	15 18	15 49			n.a.
T 30	19 12	11 22	0 50	14 48	0 2	5 34	0 9	19 10	1 4	22 27	0 41	9 14	2 35	21 54	0 36	5 29	1 47	31 24	9 35	15 19	15 17	15 52			n.a.
W31	18s57	17n 7	0n24	14s 4	0n11	5s 3	0s 5	18s57	1s 4	22s24	0s41	9n15	2n35	21s53	0s36	5s28	1s47	31s24	9s35	15n19	15n16	15s55			n.a.

Julian Day Number = 1562539.5, Delta T = 04h23m11s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'48, Lahiri = - 9°57'47 Julian Calendar 1 Jan. 435 BCE == Greg. Calendar 27 Dec. 436 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

FEBRUARY 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 21 47	7♒17'19	29♉44	23♒56	18♓43	10♒58	23♑26	12°R39	25♑38	20♓29	21♑55	10°R59	10♉46	12♏34	n.a.	T 1
F 2	8 25 44	8°17'19	13♊54	25°26	19°52	11°45	23°40	12♍36	25°42	20°30	21°57	10♉56	10°43	12°40	n.a.	F 2
S 3	8 29 40	9°17'17	28° 2	26°51	21° 2	12°32	23°54	12°32	25°45	20°32	21°58	10°50	10°40	12°47	n.a.	S 3
S 4	8 33 37	10°17'12	12♋ 7	28°10	22°11	13°18	24° 8	12°29	25°48	20°34	22° 0	10°42	10°37	12°53	n.a.	S 4
M 5	8 37 34	11°17'06	26° 4	29°23	23°20	14° 5	24°22	12°25	25°52	20°36	22° 2	10°31	10°34	13° 0	n.a.	M 5
T 6	8 41 30	12°16'57	9♌48	0♓30	24°29	14°52	24°37	12°22	25°55	20°38	22° 3	10°18	10°30	13° 7	n.a.	T 6
W 7	8 45 27	13°16'46	23°17	1°29	25°38	15°38	24°51	12°18	25°58	20°40	22° 5	10° 6	10°27	13°13	n.a.	W 7
T 8	8 49 23	14°16'32	6♍27	2°21	26°46	16°25	25° 5	12°14	26° 2	20°41	22° 7	9°53	10°24	13°20	n.a.	T 8
F 9	8 53 20	15°16'17	19°17	3° 6	27°54	17°12	25°19	12°10	26° 5	20°43	22° 8	9°43	10°21	13°27	n.a.	F 9
S 10	8 57 16	16°16'00	1♎48	3°42	29° 3	17°58	25°32	12° 7	26° 8	20°45	22°10	9°36	10°18	13°33	n.a.	S 10
S 11	9 1 13	17°15'41	14° 1	4°10	0♈11	18°45	25°46	12° 3	26°12	20°47	22°12	9°31	10°15	13°40	n.a.	S 11
M12	9 5 9	18°15'20	26° 2	4°29	1°18	19°31	26° 0	11°59	26°15	20°49	22°13	9°29	10°11	13°47	n.a.	M12
T 13	9 9 6	19°14'57	7♏53	4°40	2°26	20°18	26°14	11°55	26°18	20°51	22°15	9°D28	10° 8	13°53	n.a.	T 13
W14	9 13 2	20°14'32	19°41	4°R43	3°33	21° 4	26°28	11°51	26°22	20°53	22°16	9°R28	10° 5	14° 0	n.a.	W14
T 15	9 16 59	21°14'06	1♐31	4°37	4°41	21°51	26°42	11°46	26°25	20°55	22°18	9°28	10° 2	14° 7	n.a.	T 15
F 16	9 20 56	22°13'38	13°28	4°24	5°48	22°37	26°55	11°42	26°28	20°57	22°19	9°26	9°59	14°13	n.a.	F 16
S 17	9 24 52	23°13'07	25°38	4° 3	6°55	23°23	27° 9	11°38	26°31	20°59	22°21	9°22	9°55	14°20	n.a.	S 17
S 18	9 28 49	24°12'35	8♑ 5	3°35	8° 1	24°10	27°23	11°34	26°34	21° 1	22°23	9°15	9°52	14°26	n.a.	S 18
M19	9 32 45	25°12'01	20°52	3° 1	9° 8	24°56	27°36	11°30	26°38	21° 3	22°24	9° 6	9°49	14°33	n.a.	M19
T 20	9 36 42	26°11'25	4♒ 0	2°22	10°14	25°42	27°50	11°25	26°41	21° 5	22°26	8°55	9°46	14°40	n.a.	T 20
W21	9 40 38	27°10'47	17°30	1°38	11°20	26°28	28° 3	11°21	26°44	21° 8	22°27	8°43	9°43	14°46	n.a.	W21
T 22	9 44 35	28°10'06	1♓18	0°50	12°25	27°14	28°17	11°16	26°47	21°10	22°29	8°31	9°40	14°53	n.a.	T 22
F 23	9 48 31	29° 9'24	15°21	0° 0	13°31	28° 1	28°30	11°12	26°50	21°12	22°30	8°21	9°36	15° 0	n.a.	F 23
S 24	9 52 28	0♓ 8'39	29°34	29♒ 9	14°36	28°47	28°43	11° 8	26°53	21°14	22°32	8°14	9°33	15° 6	n.a.	S 24
S 25	9 56 25	1° 7'52	13♈51	28°17	15°41	29°33	28°56	11° 3	26°56	21°16	22°33	8° 9	9°30	15°13	n.a.	S 25
M26	10 0 21	2° 7'02	28°10	27°26	16°46	0♓19	29°10	10°59	26°59	21°18	22°34	8° 7	9°27	15°20	n.a.	M26
T 27	10 4 18	3° 6'10	12♉25	26°37	17°50	1° 5	29°23	10°54	27° 2	21°20	22°36	8°D 7	9°24	15°26	n.a.	T 27
W28	10 8 14	4♓ 5'16	26♉35	25♒50	18♈55	1♓50	29♑36	10♍49	27♑ 5	21♓23	22♑37	8♉ 7	9♉20	15♏33	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s41	21n56	1n37	13s20	0n24	4s32	0s 1	18s44	1s 4	22s22	0s41	9n17	2n35	21s52	0s36	5s28	1s47	31s23	9s35	15n19	15n15	15s58		n.a.
F 2	18 26	25 29	2 44	12 37	0 38	4 1	0n 3	18 31	1 4	22 20	0 42	9 18	2 35	21 52	0 36	5 27	1 47	31 23	9 35	15 18	15 14	16 0		n.a.
S 3	18 10	27 25	3 41	11 55	0 52	3 29	0 7	18 17	1 4	22 17	0 42	9 20	2 36	21 51	0 36	5 26	1 47	31 23	9 36	15 16	15 13	16 3		n.a.
S 4	17 53	27 34	4 24	11 14	1 6	2 58	0 11	18 3	1 4	22 15	0 42	9 21	2 36	21 51	0 36	5 25	1 47	31 23	9 36	15 14	15 12	16 6		n.a.
M 5	17 37	25 58	4 51	10 35	1 21	2 27	0 16	17 49	1 3	22 13	0 42	9 23	2 36	21 50	0 36	5 25	1 47	31 23	9 36	15 10	15 11	16 9		n.a.
T 6	17 20	22 50	5 0	9 57	1 35	1 55	0 20	17 35	1 3	22 10	0 42	9 25	2 36	21 49	0 36	5 24	1 47	31 23	9 36	15 6	15 10	16 12		n.a.
W 7	17 3	18 31	4 52	9 23	1 50	1 24	0 24	17 21	1 3	22 8	0 42	9 26	2 36	21 49	0 36	5 23	1 47	31 23	9 36	15 2	15 9	16 15		n.a.
T 8	16 46	13 25	4 29	8 51	2 4	0 52	0 28	17 7	1 3	22 5	0 42	9 28	2 37	21 48	0 36	5 22	1 47	31 22	9 36	14 58	15 8	16 18		n.a.
F 9	16 28	7 51	3 52	8 22	2 18	0 21	0 33	16 52	1 2	22 3	0 42	9 29	2 37	21 47	0 36	5 21	1 47	31 22	9 36	14 55	15 7	16 21		n.a.
S 10	16 10	2 6	3 5	7 56	2 31	0n11	0 37	16 38	1 2	22 0	0 43	9 31	2 37	21 47	0 36	5 21	1 47	31 22	9 37	14 52	15 6	16 23		n.a.
S 11	15 52	3s36	2 10	7 34	2 44	0 42	0 41	16 23	1 2	21 58	0 43	9 33	2 37	21 46	0 36	5 20	1 47	31 22	9 37	14 51	15 5	16 26		n.a.
M12	15 33	9 5	1 11	7 16	2 55	1 13	0 46	16 8	1 2	21 55	0 43	9 34	2 37	21 46	0 36	5 19	1 47	31 22	9 37	14 50	15 4	16 29		n.a.
T 13	15 15	14 11	0 8	7 2	3 6	1 45	0 50	15 53	1 2	21 53	0 43	9 36	2 37	21 45	0 36	5 18	1 47	31 22	9 37	14 50	15 3	16 32		n.a.
W14	14 56	18 45	0s54	6 52	3 16	2 16	0 55	15 38	1 1	21 50	0 43	9 38	2 37	21 44	0 36	5 17	1 47	31 22	9 37	14 50	15 2	16 35		n.a.
T 15	14 36	22 36	1 54	6 46	3 25	2 47	0 59	15 22	1 1	21 48	0 43	9 40	2 38	21 44	0 36	5 17	1 47	31 21	9 37	14 50	15 1	16 38		n.a.
F 16	14 17	25 31	2 50	6 44	3 32	3 18	1 4	15 7	1 1	21 45	0 43	9 41	2 38	21 43	0 36	5 16	1 47	31 21	9 38	14 49	15 0	16 41		n.a.
S 17	13 57	27 20	3 39	6 47	3 37	3 49	1 8	14 51	1 1	21 43	0 43	9 43	2 38	21 43	0 36	5 15	1 47	31 21	9 38	14 48	14 59	16 43		n.a.
S 18	13 37	27 48	4 19	6 53	3 41	4 20	1 13	14 35	1 0	21 40	0 44	9 45	2 38	21 42	0 36	5 14	1 47	31 21	9 38	14 46	14 58	16 46		n.a.
M19	13 17	26 50	4 47	7 4	3 43	4 51	1 17	14 19	1 0	21 38	0 44	9 47	2 38	21 41	0 36	5 13	1 47	31 21	9 38	14 43	14 57	16 49		n.a.
T 20	12 57	24 22	5 1	7 17	3 44	5 21	1 22	14 3	1 0	21 35	0 44	9 48	2 38	21 41	0 36	5 12	1 47	31 21	9 38	14 39	14 56	16 52		n.a.
W21	12 37	20 31	4 58	7 35	3 42	5 52	1 27	13 47	0 59	21 32	0 44	9 50	2 38	21 40	0 36	5 11	1 47	31 21	9 38	14 35	14 55	16 55		n.a.
T 22	12 16	15 29	4 39	7 55	3 39	6 22	1 31	13 31	0 59	21 30	0 44	9 52	2 39	21 40	0 36	5 11	1 47	31 21	9 39	14 32	14 54	16 58		n.a.
F 23	11 55	9 33	4 2	8 17	3 34	6 52	1 36	13 14	0 59	21 27	0 44	9 54	2 39	21 39	0 36	5 10	1 47	31 21	9 39	14 28	14 53	17 0		n.a.
S 24	11 34	3 4	3 10	8 41	3 27	7 22	1 41	12 58	0 59	21 25	0 45	9 56	2 39	21 38	0 36	5 9	1 47	31 21	9 39	14 26	14 52	17 3		n.a.
S 25	11 13	3n37	2 5	9 7	3 18	7 52	1 45	12 41	0 58	21 22	0 45	9 57	2 39	21 38	0 36	5 8	1 47	31 21	9 39	14 24	14 51	17 6		n.a.
M26	10 51	10 8	0 53	9 34	3 8	8 21	1 50	12 24	0 58	21 19	0 45	9 59	2 39	21 37	0 36	5 7	1 47	31 21	9 39	14 24	14 50	17 9		n.a.
T 27	10 30	16 8	0n23	10 2	2 57	8 51	1 54	12 8	0 58	21 17	0 45	10 1	2 39	21 37	0 36	5 6	1 47	31 21	9 40	14 24	14 49	17 12		n.a.
W28	10s 8	21n13	1n37	10s30	2n44	9n20	1n59	11s51	0s57	21s14	0s45	10n 3	2n39	21s36	0s36	5s 5	1s46	31s21	9s40	14n24	14n48	17s14		n.a.

Julian Day Number = 1562570.5, Delta T = 04h23m10s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'43, Lahiri = - 9°57'43 Julian Calendar 1 Feb. 435 BCE == Greg. Calendar 27 Jan. 435 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

MARCH 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 12 11	5♓ 4'19	10♊40	25°R 7	19♈58	2♓36	29♑49	10°R45	27♑ 8	21♓25	22♑39	8°R 7	9♉17	15♏40	n.a.	T 1
F 2	10 16 7	6° 3'20	24°37	24♒27	21° 2	3°22	0♒ 2	10♍40	27°11	21°27	22°40	8♉ 6	9°14	15°46	n.a.	F 2
S 3	10 20 4	7° 2'18	8♋26	23°52	22° 5	4° 8	0°15	10°36	27°14	21°29	22°41	8° 2	9°11	15°53	n.a.	S 3
S 4	10 24 0	8° 1'14	22° 7	23°21	23° 8	4°54	0°28	10°31	27°16	21°31	22°43	7°56	9° 8	16° 0	n.a.	S 4
M 5	10 27 57	9° 0'08	5♌37	22°56	24°11	5°39	0°41	10°27	27°19	21°34	22°44	7°47	9° 5	16° 6	n.a.	M 5
T 6	10 31 54	9°58'59	18°56	22°36	25°13	6°25	0°53	10°22	27°22	21°36	22°45	7°37	9° 1	16°13	n.a.	T 6
W 7	10 35 50	10°57'48	2♍ 2	22°22	26°15	7°10	1° 6	10°17	27°25	21°38	22°46	7°27	8°58	16°19	n.a.	W 7
T 8	10 39 47	11°56'35	14°53	22°13	27°17	7°56	1°19	10°13	27°27	21°40	22°48	7°18	8°55	16°26	n.a.	T 8
F 9	10 43 43	12°55'19	27°29	22°D10	28°18	8°41	1°31	10° 8	27°30	21°42	22°49	7°10	8°52	16°33	n.a.	F 9
S 10	10 47 40	13°54'02	9♎51	22°12	29°19	9°27	1°44	10° 4	27°33	21°45	22°50	7° 4	8°49	16°39	n.a.	S 10
S 11	10 51 36	14°52'42	21°59	22°19	0♉20	10°12	1°56	9°59	27°35	21°47	22°51	7° 1	8°46	16°46	n.a.	S 11
M12	10 55 33	15°51'21	3♏57	22°31	1°20	10°57	2° 8	9°54	27°38	21°49	22°52	6°D59	8°42	16°53	n.a.	M12
T 13	10 59 29	16°49'58	15°47	22°48	2°19	11°43	2°20	9°50	27°40	21°51	22°54	7° 0	8°39	16°59	n.a.	T 13
W14	11 3 26	17°48'33	27°35	23°10	3°19	12°28	2°33	9°45	27°43	21°54	22°55	7° 1	8°36	17° 6	n.a.	W14
T 15	11 7 22	18°47'06	9♐26	23°36	4°18	13°13	2°45	9°41	27°45	21°56	22°56	7° 2	8°33	17°13	n.a.	T 15
F 16	11 11 19	19°45'38	21°23	24° 7	5°16	13°58	2°57	9°36	27°48	21°58	22°57	7°R 2	8°30	17°19	n.a.	F 16
S 17	11 15 16	20°44'08	3♑33	24°42	6°14	14°43	3° 9	9°32	27°50	22° 1	22°58	7° 1	8°26	17°26	n.a.	S 17
S 18	11 19 12	21°42'36	16° 1	25°21	7°12	15°29	3°21	9°27	27°53	22° 3	22°59	6°59	8°23	17°33	n.a.	S 18
M19	11 23 9	22°41'02	28°50	26° 3	8° 9	16°14	3°32	9°23	27°55	22° 5	23° 0	6°54	8°20	17°39	n.a.	M19
T 20	11 27 5	23°39'27	12♒ 3	26°50	9° 5	16°58	3°44	9°19	27°57	22° 7	23° 1	6°48	8°17	17°46	n.a.	T 20
W21	11 31 2	24°37'50	25°41	27°39	10° 1	17°43	3°56	9°14	28° 0	22°10	23° 2	6°41	8°14	17°53	n.a.	W21
T 22	11 34 58	25°36'11	9♓42	28°32	10°57	18°28	4° 7	9°10	28° 2	22°12	23° 3	6°35	8°11	17°59	n.a.	T 22
F 23	11 38 55	26°34'30	24° 4	29°28	11°52	19°13	4°18	9° 6	28° 4	22°14	23° 4	6°29	8° 7	18° 6	n.a.	F 23
S 24	11 42 51	27°32'47	8♈40	0♓27	12°46	19°58	4°30	9° 1	28° 6	22°16	23° 5	6°24	8° 4	18°12	n.a.	S 24
S 25	11 46 48	28°31'02	23°22	1°29	13°40	20°43	4°41	8°57	28° 8	22°19	23° 6	6°22	8° 1	18°19	n.a.	S 25
M26	11 50 45	29°29'15	8♉ 6	2°33	14°33	21°27	4°52	8°53	28°10	22°21	23° 7	6°D21	7°58	18°26	n.a.	M26
T 27	11 54 41	0♈27'27	22°43	3°40	15°26	22°12	5° 3	8°49	28°12	22°23	23° 8	6°22	7°55	18°32	n.a.	T 27
W28	11 58 38	1°25'36	7♊10	4°50	16°18	22°56	5°14	8°45	28°14	22°25	23° 8	6°24	7°52	18°39	n.a.	W28
T 29	12 2 34	2°23'43	21°23	6° 2	17° 9	23°41	5°25	8°41	28°16	22°28	23° 9	6°25	7°48	18°46	n.a.	T 29
F 30	12 6 31	3°21'48	5♋20	7°17	17°59	24°25	5°36	8°37	28°18	22°30	23°10	6°R25	7°45	18°52	n.a.	F 30
S 31	12 10 27	4♈19'51	19♋ 2	8♓34	18♉49	25♓10	5♒46	8♍33	28♑20	22♓32	23♑11	6♉24	7♉42	18♏59	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s46	25n 3	2n44	10s57	2n31	9n49	2n 4	11s34	0s57	21s11	0s45	10n 5	2n39	21s36	0s36	5s 4	1s46	31s21	9s40	14n24	14n47	17s17		n.a.
F 2	9 24	27 20	3 42	11 24	2 17	10 17	2 8	11 17	0 57	21 9	0 45	10 7	2 39	21 35	0 36	5 4	1 46	31 21	9 40	14 23	14 45	17 20		n.a.
S 3	9 2	27 53	4 25	11 49	2 2	10 46	2 13	11 0	0 56	21 6	0 46	10 8	2 39	21 35	0 36	5 3	1 46	31 21	9 41	14 22	14 44	17 23		n.a.
S 4	8 40	26 43	4 53	12 14	1 47	11 14	2 18	10 42	0 56	21 3	0 46	10 10	2 39	21 34	0 36	5 2	1 46	31 21	9 41	14 20	14 43	17 26		n.a.
M 5	8 18	24 1	5 4	12 37	1 31	11 42	2 22	10 25	0 55	21 1	0 46	10 12	2 39	21 33	0 36	5 1	1 46	31 20	9 41	14 17	14 42	17 28		n.a.
T 6	7 55	20 3	4 59	12 58	1 16	12 9	2 27	10 8	0 55	20 58	0 46	10 14	2 39	21 33	0 36	5 0	1 46	31 20	9 41	14 14	14 41	17 31		n.a.
W 7	7 33	15 11	4 37	13 17	1 0	12 36	2 31	9 50	0 55	20 56	0 46	10 16	2 39	21 32	0 36	4 59	1 46	31 21	9 42	14 11	14 40	17 34		n.a.
T 8	7 10	9 44	4 2	13 35	0 45	13 3	2 36	9 33	0 54	20 53	0 46	10 17	2 40	21 32	0 36	4 58	1 46	31 21	9 42	14 8	14 39	17 37		n.a.
F 9	6 48	4 0	3 16	13 50	0 30	13 30	2 40	9 15	0 54	20 50	0 47	10 19	2 40	21 31	0 36	4 57	1 46	31 21	9 42	14 5	14 38	17 40		n.a.
S 10	6 25	1s48	2 21	14 3	0 15	13 56	2 45	8 57	0 54	20 48	0 47	10 21	2 40	21 31	0 36	4 56	1 46	31 21	9 42	14 3	14 37	17 42		n.a.
S 11	6 2	7 26	1 20	14 14	0 1	14 22	2 49	8 40	0 53	20 45	0 47	10 23	2 40	21 30	0 36	4 56	1 46	31 21	9 42	14 2	14 36	17 45		n.a.
M12	5 39	12 44	0 16	14 23	0s13	14 48	2 54	8 22	0 53	20 42	0 47	10 25	2 40	21 30	0 36	4 55	1 46	31 21	9 43	14 1	14 35	17 48		n.a.
T 13	5 16	17 32	0s47	14 30	0 26	15 13	2 58	8 4	0 52	20 40	0 47	10 26	2 40	21 29	0 36	4 54	1 46	31 21	9 43	14 1	14 34	17 51		n.a.
W14	4 53	21 39	1 49	14 35	0 39	15 38	3 2	7 46	0 52	20 37	0 48	10 28	2 40	21 29	0 36	4 53	1 46	31 21	9 43	14 2	14 33	17 53		n.a.
T 15	4 30	24 53	2 46	14 37	0 51	16 2	3 6	7 28	0 52	20 34	0 48	10 30	2 40	21 28	0 36	4 52	1 46	31 21	9 44	14 2	14 32	17 56		n.a.
F 16	4 6	27 4	3 37	14 38	1 2	16 26	3 11	7 10	0 51	20 32	0 48	10 32	2 40	21 28	0 36	4 51	1 46	31 21	9 44	14 2	14 31	17 59		n.a.
S 17	3 43	28 0	4 18	14 36	1 13	16 50	3 15	6 52	0 51	20 29	0 48	10 33	2 40	21 28	0 36	4 50	1 46	31 21	9 44	14 2	14 30	18 2		n.a.
S 18	3 20	27 33	4 49	14 33	1 24	17 13	3 19	6 34	0 50	20 27	0 48	10 35	2 40	21 27	0 37	4 49	1 46	31 21	9 44	14 1	14 29	18 4		n.a.
M19	2 56	25 39	5 6	14 27	1 33	17 36	3 23	6 16	0 50	20 24	0 48	10 37	2 40	21 27	0 37	4 48	1 46	31 21	9 45	14 0	14 28	18 7		n.a.
T 20	2 33	22 19	5 8	14 20	1 42	17 58	3 27	5 58	0 50	20 21	0 49	10 38	2 40	21 26	0 37	4 47	1 46	31 21	9 45	13 58	14 27	18 10		n.a.
W21	2 10	17 42	4 53	14 10	1 51	18 20	3 30	5 40	0 49	20 19	0 49	10 40	2 39	21 26	0 37	4 46	1 46	31 21	9 45	13 55	14 26	18 13		n.a.
T 22	1 46	12 1	4 20	13 59	1 58	18 41	3 34	5 22	0 49	20 16	0 49	10 42	2 39	21 25	0 37	4 46	1 46	31 21	9 45	13 53	14 25	18 15		n.a.
F 23	1 23	5 35	3 29	13 46	2 5	19 2	3 38	5 4	0 48	20 14	0 49	10 43	2 39	21 25	0 37	4 45	1 46	31 21	9 46	13 51	14 24	18 18		n.a.
S 24	0 59	1n16	2 25	13 31	2 12	19 23	3 42	4 45	0 48	20 11	0 49	10 45	2 39	21 25	0 37	4 44	1 46	31 22	9 46	13 50	14 23	18 21		n.a.
S 25	0 36	8 7	1 10	13 14	2 18	19 43	3 45	4 27	0 47	20 9	0 50	10 46	2 39	21 24	0 37	4 43	1 46	31 22	9 46	13 49	14 22	18 23		n.a.
M26	0 12	14 32	0n 9	12 55	2 23	20 3	3 48	4 9	0 47	20 6	0 50	10 48	2 39	21 24	0 37	4 42	1 46	31 22	9 47	13 49	14 21	18 26		n.a.
T 27	0n11	20 6	1 28	12 34	2 27	20 22	3 52	3 51	0 46	20 4	0 50	10 49	2 39	21 23	0 37	4 41	1 46	31 22	9 47	13 49	14 20	18 29		n.a.
W28	0 34	24 25	2 40	12 12	2 31	20 40	3 55	3 32	0 46	20 1	0 50	10 51	2 39	21 23	0 37	4 40	1 46	31 22	9 47	13 50	14 19	18 32		n.a.
T 29	0 58	27 9	3 41	11 48	2 35	20 58	3 58	3 14	0 46	19 59	0 50	10 52	2 39	21 23	0 37	4 39	1 46	31 22	9 47	13 50	14 18	18 34		n.a.
F 30	1 21	28 6	4 28	11 23	2 37	21 16	4 1	2 56	0 45	19 56	0 51	10 54	2 39	21 22	0 37	4 38	1 47	31 22	9 48	13 50	14 17	18 37		n.a.
S 31	1n45	27n18	4n58	10s55	2s39	21n33	4n 4	2s38	0s45	19s54	0s51	10n55	2n39	21s22	0s37	4s38	1s47	31s22	9s48	13n50	14n15	18s40		n.a.

Julian Day Number = 1562598.5, Delta T = 04h23m09s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'39, Lahiri = - 9°57'39 Julian Calendar 1 March 435 BCE == Greg. Calendar 24 Feb. 435 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

APRIL 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 14 24	5♈17'51	2♌29	9♓53	19♉38	25♓54	5♒57	8°R29	28♑22	22♓34	23♑11	6°R22	7♉39	19♏ 6	n.a.	S 1
M 2	12 18 20	6°15'50	15°40	11°15	20°26	26°38	6° 7	8♍25	28°24	22°36	23°12	6♉18	7°36	19°12	n.a.	M 2
T 3	12 22 17	7°13'47	28°38	12°38	21°14	27°23	6°18	8°21	28°25	22°39	23°13	6°14	7°32	19°19	n.a.	T 3
W 4	12 26 14	8°11'42	11♍22	14° 4	22° 0	28° 7	6°28	8°18	28°27	22°41	23°13	6° 9	7°29	19°26	n.a.	W 4
T 5	12 30 10	9° 9'35	23°53	15°32	22°46	28°51	6°38	8°14	28°29	22°43	23°14	6° 5	7°26	19°32	n.a.	T 5
F 6	12 34 7	10° 7'26	6♎12	17° 2	23°31	29°35	6°48	8°11	28°30	22°45	23°15	6° 2	7°23	19°39	n.a.	F 6
S 7	12 38 3	11° 5'16	18°21	18°34	24°15	0♈19	6°58	8° 7	28°32	22°47	23°15	5°59	7°20	19°46	n.a.	S 7
S 8	12 42 0	12° 3'04	0♏21	20° 8	24°58	1° 3	7° 8	8° 4	28°34	22°50	23°16	5°D58	7°17	19°52	n.a.	S 8
M 9	12 45 56	13° 0'50	12°14	21°44	25°39	1°47	7°17	8° 0	28°35	22°52	23°16	5°58	7°13	19°59	n.a.	M 9
T 10	12 49 53	13°58'36	24° 3	23°23	26°20	2°31	7°27	7°57	28°36	22°54	23°17	5°59	7°10	20° 5	n.a.	T 10
W11	12 53 49	14°56'19	5♐51	25° 3	27° 0	3°14	7°36	7°54	28°38	22°56	23°17	6° 0	7° 7	20°12	n.a.	W11
T 12	12 57 46	15°54'02	17°42	26°45	27°38	3°58	7°46	7°51	28°39	22°58	23°18	6° 2	7° 4	20°19	n.a.	T 12
F 13	13 1 42	16°51'43	29°40	28°29	28°16	4°42	7°55	7°48	28°40	23° 0	23°18	6° 3	7° 1	20°25	n.a.	F 13
S 14	13 5 39	17°49'24	11♑49	0♈16	28°52	5°26	8° 4	7°45	28°42	23° 2	23°19	6° 4	6°57	20°32	n.a.	S 14
S 15	13 9 36	18°47'03	24°15	2° 4	29°27	6° 9	8°13	7°42	28°43	23° 4	23°19	6°R 4	6°54	20°39	n.a.	S 15
M16	13 13 32	19°44'40	7♒ 2	3°54	0♊ 0	6°53	8°21	7°39	28°44	23° 7	23°19	6° 3	6°51	20°45	n.a.	M16
T 17	13 17 29	20°42'17	20°12	5°47	0°33	7°36	8°30	7°36	28°45	23° 9	23°20	6° 2	6°48	20°52	n.a.	T 17
W18	13 21 25	21°39'53	3♓49	7°41	1° 3	8°20	8°39	7°33	28°46	23°11	23°20	6° 0	6°45	20°59	n.a.	W18
T 19	13 25 22	22°37'27	17°52	9°38	1°33	9° 3	8°47	7°31	28°47	23°13	23°20	5°59	6°42	21° 5	n.a.	T 19
F 20	13 29 18	23°35'00	2♈19	11°36	2° 0	9°46	8°55	7°28	28°48	23°15	23°21	5°57	6°38	21°12	n.a.	F 20
S 21	13 33 15	24°32'32	17° 6	13°36	2°27	10°30	9° 4	7°26	28°49	23°17	23°21	5°56	6°35	21°19	n.a.	S 21
S 22	13 37 11	25°30'03	2♉ 5	15°38	2°51	11°13	9°12	7°24	28°50	23°19	23°21	5°D56	6°32	21°25	n.a.	S 22
M23	13 41 8	26°27'33	17° 9	17°42	3°14	11°56	9°19	7°21	28°51	23°21	23°21	5°56	6°29	21°32	n.a.	M23
T 24	13 45 5	27°25'02	2♊ 8	19°48	3°35	12°39	9°27	7°19	28°52	23°23	23°21	5°56	6°26	21°39	n.a.	T 24
W25	13 49 1	28°22'29	16°54	21°54	3°55	13°22	9°35	7°17	28°52	23°25	23°22	5°57	6°23	21°45	n.a.	W25
T 26	13 52 58	29°19'55	1♋23	24° 3	4°12	14° 5	9°42	7°15	28°53	23°26	23°22	5°58	6°19	21°52	n.a.	T 26
F 27	13 56 54	0♉17'19	15°31	26°12	4°28	14°48	9°49	7°13	28°54	23°28	23°22	5°58	6°16	21°59	n.a.	F 27
S 28	14 0 51	1°14'42	29°16	28°22	4°41	15°31	9°57	7°11	28°54	23°30	23°22	5°R58	6°13	22° 5	n.a.	S 28
S 29	14 4 47	2°12'04	12♌38	0♉33	4°52	16°14	10° 4	7°10	28°55	23°32	23°22	5°58	6°10	22°12	n.a.	S 29
M30	14 8 44	3♉ 9'24	25♌40	2♉45	5♊ 2	16♈57	10♒10	7♍ 8	28♑55	23♓34	23°R22	5♉58	6♉ 7	22♏18	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 8	24n55	5n12	10s26	2s41	21n49	4n 7	2s19	0s44	19s51	0s51	10n56	2n39	21s22	0s37	4s37	1s47	31s23	9s48	13n49	14n14	18s42		n.a.
M 2	2 31	21 15	5 8	9 56	2 42	22 5	4 9	2 1	0 44	19 49	0 51	10 58	2 39	21 21	0 37	4 36	1 47	31 23	9 49	13 48	14 13	18 45		n.a.
T 3	2 54	16 37	4 49	9 24	2 42	22 21	4 12	1 43	0 43	19 46	0 52	10 59	2 39	21 21	0 37	4 35	1 47	31 23	9 49	13 46	14 12	18 48		n.a.
W 4	3 17	11 20	4 16	8 50	2 42	22 35	4 14	1 25	0 43	19 44	0 52	11 0	2 38	21 21	0 37	4 34	1 47	31 23	9 49	13 45	14 11	18 50		n.a.
T 5	3 41	5 41	3 31	8 15	2 41	22 50	4 16	1 6	0 42	19 42	0 52	11 2	2 38	21 20	0 37	4 33	1 47	31 23	9 49	13 43	14 10	18 53		n.a.
F 6	4 4	0s 6	2 36	7 38	2 40	23 3	4 18	0 48	0 42	19 39	0 52	11 3	2 38	21 20	0 37	4 32	1 47	31 23	9 50	13 42	14 9	18 56		n.a.
S 7	4 27	5 49	1 35	6 59	2 38	23 16	4 20	0 30	0 41	19 37	0 52	11 4	2 38	21 20	0 37	4 32	1 47	31 24	9 50	13 41	14 8	18 58		n.a.
S 8	4 49	11 16	0 31	6 19	2 35	23 29	4 22	0 12	0 41	19 35	0 53	11 5	2 38	21 19	0 37	4 31	1 47	31 24	9 50	13 41	14 7	19 1		n.a.
M 9	5 12	16 15	0s35	5 38	2 32	23 41	4 23	0n 6	0 40	19 32	0 53	11 7	2 38	21 19	0 37	4 30	1 47	31 24	9 51	13 41	14 6	19 4		n.a.
T 10	5 35	20 37	1 38	4 55	2 28	23 52	4 25	0 24	0 40	19 30	0 53	11 8	2 38	21 19	0 37	4 29	1 47	31 24	9 51	13 41	14 5	19 6		n.a.
W11	5 58	24 9	2 38	4 11	2 24	24 3	4 26	0 42	0 39	19 28	0 53	11 9	2 38	21 19	0 37	4 28	1 47	31 24	9 51	13 42	14 4	19 9		n.a.
T 12	6 20	26 40	3 30	3 26	2 19	24 13	4 27	1 1	0 39	19 26	0 54	11 10	2 37	21 18	0 37	4 27	1 47	31 25	9 52	13 42	14 3	19 12		n.a.
F 13	6 43	28 0	4 15	2 39	2 13	24 22	4 28	1 19	0 38	19 24	0 54	11 11	2 37	21 18	0 37	4 27	1 47	31 25	9 52	13 43	14 2	19 14		n.a.
S 14	7 5	28 0	4 49	1 50	2 8	24 31	4 28	1 37	0 38	19 21	0 54	11 12	2 37	21 18	0 37	4 26	1 47	31 25	9 52	13 43	14 1	19 17		n.a.
S 15	7 27	26 37	5 10	1 1	2 1	24 39	4 28	1 54	0 37	19 19	0 54	11 13	2 37	21 18	0 37	4 25	1 47	31 25	9 53	13 43	14 0	19 19		n.a.
M16	7 49	23 51	5 16	0 10	1 54	24 47	4 28	2 12	0 37	19 17	0 55	11 14	2 37	21 17	0 37	4 24	1 47	31 26	9 53	13 43	13 59	19 22		n.a.
T 17	8 11	19 46	5 7	0n42	1 47	24 54	4 28	2 30	0 36	19 15	0 55	11 15	2 37	21 17	0 37	4 23	1 47	31 26	9 53	13 42	13 58	19 25		n.a.
W18	8 33	14 34	4 40	1 35	1 39	25 0	4 28	2 48	0 35	19 13	0 55	11 16	2 36	21 17	0 38	4 23	1 47	31 26	9 53	13 42	13 57	19 27		n.a.
T 19	8 55	8 28	3 56	2 29	1 30	25 6	4 27	3 6	0 35	19 11	0 55	11 16	2 36	21 17	0 38	4 22	1 47	31 26	9 54	13 41	13 56	19 30		n.a.
F 20	9 16	1 45	2 56	3 24	1 22	25 10	4 26	3 24	0 34	19 9	0 56	11 17	2 36	21 17	0 38	4 21	1 47	31 27	9 54	13 41	13 54	19 33		n.a.
S 21	9 38	5n14	1 43	4 20	1 12	25 15	4 25	3 41	0 34	19 7	0 56	11 18	2 36	21 17	0 38	4 20	1 47	31 27	9 54	13 40	13 53	19 35		n.a.
S 22	9 59	12 1	0 21	5 16	1 3	25 18	4 23	3 59	0 33	19 5	0 56	11 19	2 36	21 16	0 38	4 19	1 47	31 27	9 55	13 40	13 52	19 38		n.a.
M23	10 20	18 10	1n 2	6 13	0 53	25 21	4 21	4 17	0 33	19 4	0 56	11 19	2 36	21 16	0 38	4 19	1 47	31 27	9 55	13 40	13 51	19 40		n.a.
T 24	10 41	23 9	2 20	7 11	0 43	25 23	4 19	4 34	0 32	19 2	0 57	11 20	2 35	21 16	0 38	4 18	1 47	31 28	9 55	13 40	13 50	19 43		n.a.
W25	11 2	26 33	3 28	8 8	0 33	25 24	4 17	4 52	0 32	19 0	0 57	11 21	2 35	21 16	0 38	4 17	1 47	31 28	9 56	13 41	13 49	19 46		n.a.
T 26	11 23	28 6	4 22	9 6	0 22	25 25	4 14	5 9	0 31	18 58	0 57	11 21	2 35	21 16	0 38	4 16	1 47	31 28	9 56	13 41	13 48	19 48		n.a.
F 27	11 43	27 46	4 58	10 4	0 12	25 24	4 10	5 26	0 30	18 56	0 57	11 22	2 35	21 16	0 38	4 16	1 47	31 29	9 56	13 41	13 47	19 51		n.a.
S 28	12 3	25 42	5 15	11 1	0 1	25 23	4 7	5 44	0 30	18 55	0 58	11 22	2 35	21 16	0 38	4 15	1 47	31 29	9 57	13 41	13 46	19 53		n.a.
S 29	12 24	22 16	5 15	11 58	0n10	25 22	4 3	6 1	0 29	18 53	0 58	11 23	2 35	21 16	0 38	4 14	1 47	31 29	9 57	13 41	13 45	19 56		n.a.
M30	12n44	17n48	4n59	12n54	0n20	25n19	3n58	6n18	0s29	18s51	0s58	11n23	2n34	21s16	0s38	4s14	1s47	31s29	9s57	13n41	13n44	19s58		n.a.

Julian Day Number = 1562629.5, Delta T = 04h23m08s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'35, Lahiri = - 9°57'35 Julian Calendar 1 Apr. 435 BCE == Greg. Calendar 27 March 435 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

MAY 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 12 41	4♉ 6'43	8♍24	4♉57	5♊ 9	17♈39	10♒17	7°R 7	28♏56	23♓36	23°R22	5°R58	6♉ 3	22♏25	n.a.	T 1
W 2	14 16 37	5° 4'01	20°53	7° 8	5°14	18°22	10°24	7♍ 5	28°56	23°38	23♏22	5♉58	6° 0	22°32	n.a.	W 2
T 3	14 20 34	6° 1'18	3♎ 9	9°20	5°16	19° 5	10°30	7° 4	28°56	23°39	23°22	5°D57	5°57	22°38	n.a.	T 3
F 4	14 24 30	6°58'34	15°14	11°30	5°R17	19°47	10°36	7° 3	28°57	23°41	23°22	5°58	5°54	22°45	n.a.	F 4
S 5	14 28 27	7°55'49	27°12	13°40	5°14	20°30	10°42	7° 2	28°57	23°43	23°22	5°58	5°51	22°52	n.a.	S 5
S 6	14 32 23	8°53'03	9♏ 4	15°49	5°10	21°12	10°48	7° 0	28°57	23°45	23°21	5°R58	5°48	22°58	n.a.	S 6
M 7	14 36 20	9°50'16	20°54	17°56	5° 3	21°54	10°54	7° 0	28°57	23°46	23°21	5°58	5°44	23° 5	n.a.	M 7
T 8	14 40 16	10°47'28	2♐42	20° 2	4°54	22°37	11° 0	6°59	28°57	23°48	23°21	5°57	5°41	23°12	n.a.	T 8
W 9	14 44 13	11°44'40	14°31	22° 7	4°42	23°19	11° 5	6°58	28°58	23°50	23°21	5°57	5°38	23°18	n.a.	W 9
T 10	14 48 10	12°41'52	26°25	24° 9	4°28	24° 1	11°10	6°57	28°R58	23°51	23°21	5°56	5°35	23°25	n.a.	T 10
F 11	14 52 6	13°39'03	8♑26	26° 9	4°11	24°43	11°16	6°57	28°57	23°53	23°20	5°55	5°32	23°32	n.a.	F 11
S 12	14 56 3	14°36'13	20°38	28° 8	3°53	25°26	11°20	6°56	28°57	23°55	23°20	5°54	5°29	23°38	n.a.	S 12
S 13	14 59 59	15°33'23	3♒ 4	0♊ 4	3°32	26° 8	11°25	6°56	28°57	23°56	23°20	5°53	5°25	23°45	n.a.	S 13
M14	15 3 56	16°30'33	15°48	1°58	3° 9	26°50	11°30	6°56	28°57	23°58	23°19	5°D53	5°22	23°52	n.a.	M14
T 15	15 7 52	17°27'43	28°54	3°50	2°43	27°32	11°34	6°56	28°57	23°59	23°19	5°53	5°19	23°58	n.a.	T 15
W16	15 11 49	18°24'52	12♓24	5°39	2°16	28°14	11°39	6°D55	28°57	24° 1	23°19	5°54	5°16	24° 5	n.a.	W16
T 17	15 15 45	19°22'01	26°19	7°26	1°47	28°55	11°43	6°55	28°56	24° 2	23°18	5°55	5°13	24°12	n.a.	T 17
F 18	15 19 42	20°19'10	10♈40	9°11	1°16	29°37	11°46	6°56	28°56	24° 4	23°18	5°56	5° 9	24°18	n.a.	F 18
S 19	15 23 39	21°16'19	25°24	10°53	0°44	0♉19	11°50	6°56	28°55	24° 5	23°17	5°57	5° 6	24°25	n.a.	S 19
S 20	15 27 35	22°13'28	10♉26	12°33	0°10	1° 1	11°54	6°56	28°55	24° 6	23°17	5°R57	5° 3	24°32	n.a.	S 20
M21	15 31 32	23°10'36	25°36	14°11	29♉35	1°42	11°57	6°57	28°54	24° 8	23°16	5°56	5° 0	24°38	n.a.	M21
T 22	15 35 28	24° 7'44	10♊47	15°46	28°59	2°24	12° 0	6°57	28°54	24° 9	23°16	5°55	4°57	24°45	n.a.	T 22
W23	15 39 25	25° 4'52	25°49	17°19	28°23	3° 5	12° 3	6°58	28°53	24°10	23°15	5°52	4°54	24°52	n.a.	W23
T 24	15 43 21	26° 2'00	10♋32	18°49	27°46	3°47	12° 6	6°59	28°53	24°12	23°15	5°50	4°50	24°58	n.a.	T 24
F 25	15 47 18	26°59'07	24°52	20°17	27° 8	4°28	12° 9	6°59	28°52	24°13	23°14	5°47	4°47	25° 5	n.a.	F 25
S 26	15 51 14	27°56'13	8♌45	21°43	26°31	5°10	12°11	7° 0	28°51	24°14	23°13	5°46	4°44	25°11	n.a.	S 26
S 27	15 55 11	28°53'19	22°12	23° 6	25°53	5°51	12°13	7° 1	28°50	24°15	23°13	5°44	4°41	25°18	n.a.	S 27
M28	15 59 8	29°50'25	5♍13	24°26	25°16	6°32	12°15	7° 2	28°49	24°17	23°12	5°D44	4°38	25°25	n.a.	M28
T 29	16 3 4	0♊47'30	17°51	25°44	24°40	7°14	12°17	7° 4	28°49	24°18	23°11	5°45	4°35	25°31	n.a.	T 29
W30	16 7 1	1°44'35	0♎12	27° 0	24° 5	7°55	12°19	7° 5	28°48	24°19	23°11	5°47	4°31	25°38	n.a.	W30
T 31	16 10 57	2♊41'40	12♎19	28♊12	23♉31	8♉36	12♒20	7♍ 6	28♏47	24♓20	23♏10	5♉48	4♉28	25♏45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n 3	12n39	4n28	13n49	0n30	25n15	3n53	6n35	0s28	18s50	0s59	11n24	2n34	21s16	0s38	4s13	1s47	31s30	9s58	13n41	13n43	20s 1		n.a.
W 2	13 23	7 6	3 45	14 42	0 40	25 11	3 48	6 52	0 28	18 48	0 59	11 24	2 34	21 16	0 38	4 12	1 47	31 30	9 58	13 41	13 42	20 4		n.a.
T 3	13 42	1 22	2 52	15 35	0 50	25 6	3 42	7 9	0 27	18 47	0 59	11 24	2 34	21 15	0 38	4 12	1 48	31 30	9 58	13 41	13 41	20 6		n.a.
F 4	14 1	4s21	1 53	16 25	0 59	25 0	3 36	7 26	0 26	18 45	0 59	11 24	2 34	21 15	0 38	4 11	1 48	31 31	9 58	13 41	13 40	20 9		n.a.
S 5	14 20	9 51	0 48	17 14	1 8	24 53	3 29	7 42	0 26	18 44	1 0	11 25	2 33	21 15	0 38	4 10	1 48	31 31	9 59	13 41	13 39	20 11		n.a.
S 6	14 39	14 59	0s17	18 1	1 17	24 45	3 22	7 59	0 25	18 43	1 0	11 25	2 33	21 15	0 38	4 10	1 48	31 31	9 59	13 41	13 37	20 14		n.a.
M 7	14 57	19 32	1 22	18 45	1 25	24 36	3 14	8 16	0 25	18 41	1 0	11 25	2 33	21 15	0 38	4 9	1 48	31 32	9 59	13 41	13 36	20 16		n.a.
T 8	15 15	23 18	2 23	19 27	1 32	24 26	3 6	8 32	0 24	18 40	1 1	11 25	2 33	21 15	0 38	4 8	1 48	31 32	10 0	13 41	13 35	20 19		n.a.
W 9	15 33	26 7	3 18	20 7	1 38	24 16	2 57	8 49	0 24	18 39	1 1	11 25	2 32	21 15	0 38	4 8	1 48	31 32	10 0	13 40	13 34	20 21		n.a.
T 10	15 51	27 47	4 5	20 44	1 44	24 4	2 48	9 5	0 23	18 38	1 1	11 25	2 32	21 16	0 38	4 7	1 48	31 33	10 0	13 40	13 33	20 24		n.a.
F 11	16 8	28 9	4 41	21 19	1 50	23 51	2 39	9 21	0 22	18 36	1 1	11 25	2 32	21 16	0 38	4 6	1 48	31 33	10 1	13 40	13 32	20 26		n.a.
S 12	16 26	27 11	5 6	21 51	1 54	23 38	2 28	9 37	0 22	18 35	1 2	11 25	2 32	21 16	0 38	4 6	1 48	31 33	10 1	13 40	13 31	20 29		n.a.
S 13	16 43	24 51	5 17	22 21	1 58	23 23	2 18	9 53	0 21	18 34	1 2	11 25	2 32	21 16	0 38	4 5	1 48	31 34	10 1	13 39	13 30	20 31		n.a.
M14	16 59	21 16	5 12	22 48	2 1	23 8	2 7	10 9	0 21	18 33	1 2	11 25	2 31	21 16	0 38	4 5	1 48	31 34	10 2	13 39	13 29	20 34		n.a.
T 15	17 16	16 33	4 52	23 13	2 4	22 51	1 55	10 25	0 20	18 32	1 3	11 25	2 31	21 16	0 39	4 4	1 48	31 35	10 2	13 39	13 28	20 36		n.a.
W16	17 32	10 55	4 15	23 35	2 6	22 34	1 43	10 41	0 19	18 31	1 3	11 25	2 31	21 16	0 39	4 4	1 48	31 35	10 2	13 40	13 27	20 39		n.a.
T 17	17 48	4 34	3 22	23 55	2 7	22 16	1 31	10 56	0 19	18 30	1 3	11 25	2 31	21 16	0 39	4 3	1 48	31 35	10 2	13 40	13 26	20 41		n.a.
F 18	18 3	2n12	2 15	24 12	2 7	21 57	1 18	11 12	0 18	18 30	1 4	11 24	2 31	21 16	0 39	4 2	1 48	31 36	10 3	13 40	13 25	20 44		n.a.
S 19	18 19	9 3	0 58	24 27	2 7	21 38	1 5	11 27	0 17	18 29	1 4	11 24	2 30	21 16	0 39	4 2	1 48	31 36	10 3	13 40	13 24	20 46		n.a.
S 20	18 34	15 32	0n25	24 40	2 5	21 18	0 52	11 43	0 17	18 28	1 4	11 24	2 30	21 16	0 39	4 1	1 48	31 36	10 3	13 41	13 22	20 49		n.a.
M21	18 48	21 8	1 47	24 51	2 4	20 57	0 38	11 58	0 16	18 28	1 4	11 23	2 30	21 17	0 39	4 1	1 48	31 37	10 4	13 40	13 21	20 51		n.a.
T 22	19 3	25 20	3 1	24 59	2 1	20 36	0 25	12 13	0 16	18 27	1 5	11 23	2 30	21 17	0 39	4 0	1 48	31 37	10 4	13 40	13 20	20 54		n.a.
W23	19 17	27 43	4 2	25 6	1 58	20 14	0 11	12 28	0 15	18 26	1 5	11 22	2 29	21 17	0 39	4 0	1 49	31 38	10 4	13 39	13 19	20 56		n.a.
T 24	19 31	28 4	4 45	25 10	1 55	19 52	0s 3	12 43	0 14	18 26	1 5	11 22	2 29	21 17	0 39	4 0	1 49	31 38	10 4	13 38	13 18	20 59		n.a.
F 25	19 44	26 30	5 10	25 13	1 50	19 30	0 17	12 58	0 14	18 25	1 6	11 21	2 29	21 17	0 39	3 59	1 49	31 38	10 5	13 37	13 17	21 1		n.a.
S 26	19 57	23 21	5 15	25 14	1 45	19 7	0 31	13 12	0 13	18 25	1 6	11 21	2 29	21 17	0 39	3 59	1 49	31 39	10 5	13 37	13 16	21 3		n.a.
S 27	20 10	19 3	5 2	25 13	1 40	18 45	0 45	13 27	0 13	18 25	1 6	11 20	2 29	21 18	0 39	3 58	1 49	31 39	10 5	13 36	13 15	21 6		n.a.
M28	20 23	13 58	4 35	25 11	1 33	18 23	0 59	13 41	0 12	18 24	1 7	11 20	2 28	21 18	0 39	3 58	1 49	31 39	10 6	13 36	13 14	21 8		n.a.
T 29	20 35	8 27	3 54	25 7	1 27	18 1	1 12	13 55	0 11	18 24	1 7	11 19	2 28	21 18	0 39	3 57	1 49	31 40	10 6	13 37	13 13	21 11		n.a.
W30	20 47	2 43	3 4	25 2	1 19	17 39	1 26	14 10	0 11	18 24	1 7	11 18	2 28	21 18	0 39	3 57	1 49	31 40	10 6	13 37	13 12	21 13		n.a.
T 31	20n58	3s 0	2n 6	24n55	1n11	17n18	1s39	14n24	0s10	18s24	1s 8	11n18	2n28	21s18	0s39	3s57	1s49	31s41	10s 6	13n38	13n11	21s16		n.a.

Julian Day Number = 1562659.5, Delta T = 04h23m07s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'31, Lahiri = - 9°57'31 Julian Calendar 1 May 435 BCE == Greg. Calendar 26 Apr. 435 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

JUNE 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 14 54	3♊38'45	24♎16	29♊22	22°R58	9♉17	12♒22	7♍ 8	28°R46	24♓21	23°R 9	5♉50	4♉25	25♏51	n.a.	F 1
S 2	16 18 50	4°35'49	6♏ 7	0♋29	22♉26	9°58	12°23	7°10	28♂45	24°22	23♂ 9	5°R50	4°22	25°58	n.a.	S 2
S 3	16 22 47	5°32'54	17°55	1°33	21°56	10°39	12°24	7°11	28°43	24°23	23° 8	5°50	4°19	26° 5	n.a.	S 3
M 4	16 26 44	6°29'59	29°44	2°34	21°28	11°20	12°24	7°13	28°42	24°24	23° 7	5°47	4°15	26°11	n.a.	M 4
T 5	16 30 40	7°27'04	11♐34	3°32	21° 2	12° 0	12°25	7°15	28°41	24°25	23° 6	5°44	4°12	26°18	n.a.	T 5
W 6	16 34 37	8°24'09	23°29	4°27	20°38	12°41	12°25	7°17	28°40	24°26	23° 5	5°39	4° 9	26°25	n.a.	W 6
T 7	16 38 33	9°21'14	5♑30	5°18	20°16	13°22	12°R25	7°19	28°39	24°27	23° 4	5°33	4° 6	26°31	n.a.	T 7
F 8	16 42 30	10°18'20	17°39	6° 6	19°57	14° 3	12°25	7°21	28°37	24°28	23° 4	5°27	4° 3	26°38	n.a.	F 8
S 9	16 46 26	11°15'27	29°58	6°51	19°39	14°43	12°25	7°23	28°36	24°29	23° 3	5°22	4° 0	26°45	n.a.	S 9
S 10	16 50 23	12°12'34	12♒29	7°32	19°24	15°24	12°25	7°26	28°35	24°29	23° 2	5°17	3°56	26°51	n.a.	S 10
M11	16 54 19	13° 9'41	25°16	8° 9	19°12	16° 4	12°24	7°28	28°33	24°30	23° 1	5°14	3°53	26°58	n.a.	M11
T 12	16 58 16	14° 6'49	8♓20	8°42	19° 2	16°45	12°23	7°31	28°32	24°31	23° 0	5°D13	3°50	27° 5	n.a.	T 12
W13	17 2 13	15° 3'58	21°43	9°11	18°54	17°25	12°22	7°33	28°30	24°32	22°59	5°13	3°47	27°11	n.a.	W13
T 14	17 6 9	16° 1'08	5♈29	9°35	18°49	18° 6	12°21	7°36	28°29	24°32	22°58	5°14	3°44	27°18	n.a.	T 14
F 15	17 10 6	16°58'18	19°38	9°56	18°46	18°46	12°20	7°39	28°27	24°33	22°57	5°15	3°40	27°25	n.a.	F 15
S 16	17 14 2	17°55'30	4♉ 9	10°11	18°D45	19°26	12°18	7°42	28°26	24°33	22°56	5°R16	3°37	27°31	n.a.	S 16
S 17	17 17 59	18°52'42	18°59	10°22	18°47	20° 6	12°16	7°45	28°24	24°34	22°55	5°15	3°34	27°38	n.a.	S 17
M18	17 21 55	19°49'55	4♊ 2	10°29	18°51	20°46	12°14	7°48	28°22	24°35	22°54	5°12	3°31	27°45	n.a.	M18
T 19	17 25 52	20°47'09	19°10	10°R30	18°57	21°27	12°12	7°51	28°20	24°35	22°53	5° 8	3°28	27°51	n.a.	T 19
W20	17 29 49	21°44'23	4♋13	10°27	19° 5	22° 7	12°10	7°54	28°19	24°36	22°52	5° 2	3°25	27°58	n.a.	W20
T 21	17 33 45	22°41'39	19° 2	10°18	19°16	22°47	12° 7	7°58	28°17	24°36	22°51	4°55	3°21	28° 5	n.a.	T 21
F 22	17 37 42	23°38'54	3♌30	10° 5	19°28	23°27	12° 4	8° 1	28°15	24°36	22°49	4°47	3°18	28°11	n.a.	F 22
S 23	17 41 38	24°36'11	17°30	9°47	19°43	24° 6	12° 1	8° 5	28°13	24°37	22°48	4°41	3°15	28°18	n.a.	S 23
S 24	17 45 35	25°33'28	1♍ 1	9°24	19°59	24°46	11°58	8° 8	28°11	24°37	22°47	4°37	3°12	28°25	n.a.	S 24
M25	17 49 31	26°30'45	14° 5	8°56	20°17	25°26	11°55	8°12	28°10	24°37	22°46	4°34	3° 9	28°31	n.a.	M25
T 26	17 53 28	27°28'03	26°45	8°24	20°38	26° 6	11°51	8°16	28° 8	24°38	22°45	4°D33	3° 6	28°38	n.a.	T 26
W27	17 57 24	28°25'21	9♎ 4	7°49	20°59	26°45	11°48	8°19	28° 6	24°38	22°44	4°34	3° 2	28°45	n.a.	W27
T 28	18 1 21	29°22'41	21° 8	7°10	21°23	27°25	11°44	8°23	28° 4	24°38	22°43	4°35	2°59	28°51	n.a.	T 28
F 29	18 5 18	0♋20'01	3♏ 2	6°29	21°48	28° 5	11°40	8°27	28° 2	24°38	22°41	4°R35	2°56	28°58	n.a.	F 29
S 30	18 9 14	1♋17'21	14♏50	5♋45	22♉15	28♉44	11♒36	8♍31	28♂ 0	24♓38	22♂40	4♉35	2♉53	29♏ 5	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n 9	8s33	1n 3	24n48	1n 3	16n57	1s52	14n37	0s 9	18s24	1s 8	11n17	2n27	21s19	0s39	3s56	1s49	31s41	10s 7	13n38	13n 9	21s18		n.a.
S 2	21 20	13 45	0s 2	24 38	0 54	16 37	2 4	14 51	0 9	18 24	1 8	11 16	2 27	21 19	0 39	3 56	1 49	31 41	10 7	13 38	13 8	21 20		n.a.
S 3	21 30	18 27	1 6	24 28	0 44	16 18	2 16	15 5	0 8	18 24	1 9	11 15	2 27	21 19	0 39	3 56	1 49	31 42	10 7	13 38	13 7	21 23		n.a.
M 4	21 40	22 25	2 7	24 17	0 34	15 59	2 28	15 18	0 7	18 24	1 9	11 14	2 27	21 20	0 39	3 55	1 49	31 42	10 7	13 37	13 6	21 25		n.a.
T 5	21 50	25 29	3 3	24 5	0 23	15 42	2 39	15 32	0 7	18 24	1 9	11 13	2 27	21 20	0 39	3 55	1 49	31 43	10 8	13 36	13 5	21 28		n.a.
W 6	21 59	27 26	3 51	23 52	0 12	15 25	2 49	15 45	0 6	18 24	1 9	11 12	2 26	21 20	0 39	3 55	1 49	31 43	10 8	13 35	13 4	21 30		n.a.
T 7	22 8	28 7	4 30	23 39	0 0	15 10	3 0	15 58	0 6	18 25	1 10	11 11	2 26	21 20	0 39	3 54	1 49	31 43	10 8	13 33	13 3	21 32		n.a.
F 8	22 17	27 28	4 56	23 25	0s12	14 55	3 9	16 11	0 5	18 25	1 10	11 10	2 26	21 21	0 39	3 54	1 50	31 44	10 8	13 31	13 2	21 35		n.a.
S 9	22 25	25 27	5 10	23 10	0 24	14 42	3 18	16 24	0 4	18 25	1 10	11 9	2 26	21 21	0 39	3 54	1 50	31 44	10 9	13 29	13 1	21 37		n.a.
S 10	22 33	22 12	5 9	22 55	0 37	14 29	3 27	16 36	0 4	18 26	1 11	11 8	2 25	21 21	0 39	3 53	1 50	31 45	10 9	13 27	13 0	21 40		n.a.
M11	22 40	17 51	4 52	22 40	0 50	14 18	3 35	16 49	0 3	18 26	1 11	11 7	2 25	21 22	0 39	3 53	1 50	31 45	10 9	13 26	12 59	21 42		n.a.
T 12	22 47	12 34	4 21	22 24	1 4	14 8	3 43	17 1	0 2	18 27	1 11	11 6	2 25	21 22	0 39	3 53	1 50	31 45	10 9	13 26	12 58	21 44		n.a.
W13	22 54	6 36	3 34	22 8	1 17	13 59	3 50	17 13	0 2	18 27	1 12	11 5	2 25	21 22	0 39	3 53	1 50	31 46	10 9	13 26	12 56	21 47		n.a.
T 14	23 0	0 9	2 35	21 53	1 31	13 51	3 56	17 26	0 1	18 28	1 12	11 4	2 25	21 23	0 40	3 53	1 50	31 46	10 10	13 26	12 55	21 49		n.a.
F 15	23 6	6n29	1 24	21 37	1 46	13 45	4 3	17 37	0 0	18 29	1 12	11 2	2 24	21 23	0 40	3 52	1 50	31 47	10 10	13 26	12 54	21 51		n.a.
S 16	23 12	12 58	0 6	21 21	2 0	13 39	4 8	17 49	0n 0	18 29	1 13	11 1	2 24	21 23	0 40	3 52	1 50	31 47	10 10	13 27	12 53	21 54		n.a.
S 17	23 17	18 52	1n14	21 6	2 15	13 34	4 13	18 1	0 1	18 30	1 13	11 0	2 24	21 24	0 40	3 52	1 50	31 47	10 10	13 26	12 52	21 56		n.a.
M18	23 21	23 40	2 29	20 51	2 29	13 31	4 18	18 12	0 2	18 31	1 13	10 58	2 24	21 24	0 40	3 52	1 50	31 48	10 11	13 26	12 51	21 58		n.a.
T 19	23 25	26 52	3 35	20 37	2 43	13 28	4 22	18 24	0 2	18 32	1 14	10 57	2 24	21 24	0 40	3 52	1 50	31 48	10 11	13 24	12 50	22 1		n.a.
W20	23 29	28 6	4 25	20 23	2 57	13 27	4 26	18 35	0 3	18 33	1 14	10 56	2 23	21 25	0 40	3 52	1 50	31 48	10 11	13 22	12 49	22 3		n.a.
T 21	23 33	27 16	4 56	20 10	3 11	13 26	4 30	18 46	0 4	18 34	1 14	10 54	2 23	21 25	0 40	3 51	1 50	31 49	10 11	13 20	12 48	22 5		n.a.
F 22	23 36	24 36	5 8	19 58	3 24	13 27	4 33	18 57	0 4	18 35	1 15	10 53	2 23	21 26	0 40	3 51	1 50	31 49	10 11	13 17	12 47	22 8		n.a.
S 23	23 38	20 33	5 0	19 47	3 37	13 28	4 36	19 7	0 5	18 36	1 15	10 51	2 23	21 26	0 40	3 51	1 51	31 50	10 12	13 15	12 45	22 10		n.a.
S 24	23 40	15 32	4 36	19 36	3 49	13 30	4 38	19 18	0 6	18 37	1 15	10 50	2 23	21 26	0 40	3 51	1 51	31 50	10 12	13 13	12 44	22 12		n.a.
M25	23 42	9 59	3 58	19 27	4 0	13 33	4 40	19 28	0 6	18 39	1 15	10 48	2 22	21 27	0 40	3 51	1 51	31 50	10 12	13 13	12 43	22 14		n.a.
T 26	23 44	4 12	3 9	19 19	4 10	13 37	4 42	19 38	0 7	18 40	1 16	10 46	2 22	21 27	0 40	3 51	1 51	31 51	10 12	13 12	12 42	22 17		n.a.
W27	23 44	1s36	2 13	19 12	4 19	13 41	4 43	19 49	0 8	18 41	1 16	10 45	2 22	21 28	0 40	3 51	1 51	31 51	10 12	13 12	12 41	22 19		n.a.
T 28	23 45	7 14	1 12	19 6	4 27	13 46	4 44	19 58	0 8	18 43	1 16	10 43	2 22	21 28	0 40	3 51	1 51	31 52	10 12	13 13	12 40	22 21		n.a.
F 29	23 45	12 33	0 8	19 2	4 33	13 52	4 45	20 8	0 9	18 44	1 17	10 41	2 22	21 29	0 40	3 51	1 51	31 52	10 13	13 13	12 39	22 24		n.a.
S 30	23n45	17s22	0s55	18n59	4s38	13n59	4s45	20n18	0n10	18s46	1s17	10n40	2n21	21s29	0s40	3s51	1s51	31s52	10s13	13n13	12n38	22s26		n.a.

Julian Day Number = 1562690.5, Delta T = 04h23m05s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'27, Lahiri = - 9°57'26 Julian Calendar 1 June 435 BCE == Greg. Calendar 27 May 435 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

JULY 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 13 11	2♋14'43	26♏38	5°R 0	22♉43	29♉24	11°R31	8♍35	27°R57	24♓39	22°R39	4°R32	2♉50	29♏11	n.a.	S 1
M 2	18 17 7	3°12'06	8♐28	4♋14	23°13	0♊ 3	11♒27	8°40	27♑55	24°39	22♑38	4♉27	2°46	29°18	n.a.	M 2
T 3	18 21 4	4° 9'29	20°23	3°28	23°44	0°42	11°22	8°44	27°53	24°39	22°36	4°20	2°43	29°25	n.a.	T 3
W 4	18 25 0	5° 6'54	2♑27	2°44	24°17	1°22	11°17	8°48	27°51	24°R39	22°35	4°11	2°40	29°31	n.a.	W 4
T 5	18 28 57	6° 4'20	14°39	2° 1	24°51	2° 1	11°12	8°53	27°49	24°39	22°34	4° 0	2°37	29°38	n.a.	T 5
F 6	18 32 53	7° 1'47	27° 1	1°21	25°26	2°40	11° 7	8°57	27°47	24°39	22°33	3°49	2°34	29°44	n.a.	F 6
S 7	18 36 50	7°59'16	9♒34	0°45	26° 3	3°19	11° 2	9° 2	27°45	24°39	22°32	3°38	2°31	29°51	n.a.	S 7
S 8	18 40 47	8°56'45	22°18	0°13	26°41	3°58	10°56	9° 7	27°42	24°38	22°30	3°29	2°27	29°58	n.a.	S 8
M 9	18 44 43	9°54'16	5♓15	29♊46	27°20	4°37	10°51	9°11	27°40	24°38	22°29	3°22	2°24	0♐ 4	n.a.	M 9
T 10	18 48 40	10°51'49	18°24	29°24	28° 0	5°16	10°45	9°16	27°38	24°38	22°28	3°17	2°21	0°11	n.a.	T 10
W11	18 52 36	11°49'23	1♈49	29° 8	28°41	5°55	10°39	9°21	27°36	24°38	22°26	3°15	2°18	0°18	n.a.	W11
T 12	18 56 33	12°46'59	15°30	28°59	29°23	6°34	10°33	9°26	27°33	24°38	22°25	3°D15	2°15	0°24	n.a.	T 12
F 13	19 0 29	13°44'36	29°28	28°D57	0♊ 6	7°13	10°27	9°31	27°31	24°37	22°24	3°R15	2°12	0°31	n.a.	F 13
S 14	19 4 26	14°42'16	13♉44	29° 2	0°50	7°52	10°20	9°36	27°29	24°37	22°22	3°15	2° 8	0°38	n.a.	S 14
S 15	19 8 22	15°39'57	28°16	29°14	1°35	8°31	10°14	9°41	27°26	24°37	22°21	3°13	2° 5	0°44	n.a.	S 15
M16	19 12 19	16°37'39	13♊ 0	29°33	2°21	9° 9	10° 7	9°46	27°24	24°36	22°20	3° 9	2° 2	0°51	n.a.	M16
T 17	19 16 16	17°35'24	27°51	29°59	3° 7	9°48	10° 0	9°51	27°22	24°36	22°19	3° 1	1°59	0°58	n.a.	T 17
W18	19 20 12	18°33'10	12♋41	0♋34	3°55	10°26	9°54	9°57	27°19	24°36	22°17	2°52	1°56	1° 4	n.a.	W18
T 19	19 24 9	19°30'58	27°22	1°15	4°43	11° 5	9°47	10° 2	27°17	24°35	22°16	2°41	1°53	1°11	n.a.	T 19
F 20	19 28 5	20°28'47	11♌44	2° 3	5°32	11°43	9°40	10° 8	27°15	24°35	22°15	2°30	1°49	1°18	n.a.	F 20
S 21	19 32 2	21°26'38	25°43	2°59	6°22	12°22	9°33	10°13	27°12	24°34	22°13	2°20	1°46	1°24	n.a.	S 21
S 22	19 35 58	22°24'29	9♍16	4° 1	7°12	13° 0	9°25	10°19	27°10	24°33	22°12	2°12	1°43	1°31	n.a.	S 22
M23	19 39 55	23°22'23	22°22	5° 9	8° 3	13°39	9°18	10°24	27° 8	24°33	22°11	2° 6	1°40	1°38	n.a.	M23
T 24	19 43 51	24°20'17	5♎ 3	6°24	8°55	14°17	9°11	10°30	27° 5	24°32	22° 9	2° 3	1°37	1°44	n.a.	T 24
W25	19 47 48	25°18'13	17°23	7°44	9°48	14°55	9° 3	10°36	27° 3	24°32	22° 8	2° 2	1°33	1°51	n.a.	W25
T 26	19 51 45	26°16'11	29°28	9°10	10°41	15°33	8°56	10°41	27° 0	24°31	22° 7	2° 2	1°30	1°58	n.a.	T 26
F 27	19 55 41	27°14'10	11♏22	10°41	11°34	16°11	8°48	10°47	26°58	24°30	22° 5	2° 2	1°27	2° 4	n.a.	F 27
S 28	19 59 38	28°12'10	23°11	12°16	12°29	16°49	8°40	10°53	26°56	24°29	22° 4	2° 0	1°24	2°11	n.a.	S 28
S 29	20 3 34	29°10'12	5♐ 0	13°55	13°23	17°27	8°33	10°59	26°53	24°29	22° 3	1°57	1°21	2°18	n.a.	S 29
M30	20 7 31	0♌ 8'16	16°53	15°38	14°19	18° 5	8°25	11° 5	26°51	24°28	22° 2	1°51	1°18	2°24	n.a.	M30
T 31	20 11 27	1♌ 6'21	28♐55	17♋24	15♊15	18♊43	8♒17	11♍11	26♑48	24♓27	22♑ 0	1♉42	1♉14	2♐31	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	23n44	21s31	1s55	18n58	4s41	14n 6	4s45	20n27	0n10	18s47	1s17	10n38	2n21	21s29	0s40	3s51	1s51	31s53	10s13	13n12	12n37	22s28			n.a.
M 2	23 43	24 49	2 51	18 58	4 43	14 13	4 45	20 36	0 11	18 49	1 17	10 36	2 21	21 30	0 40	3 51	1 51	31 53	10 13	13 10	12 36	22 30			n.a.
T 3	23 41	27 3	3 39	19 0	4 42	14 21	4 45	20 45	0 12	18 50	1 18	10 34	2 21	21 30	0 40	3 51	1 51	31 53	10 13	13 8	12 34	22 33			n.a.
W 4	23 39	28 2	4 19	19 4	4 40	14 30	4 44	20 54	0 12	18 52	1 18	10 33	2 21	21 31	0 40	3 51	1 51	31 54	10 13	13 5	12 33	22 35			n.a.
T 5	23 36	27 40	4 46	19 8	4 36	14 39	4 43	21 3	0 13	18 54	1 18	10 31	2 21	21 31	0 40	3 51	1 51	31 54	10 13	13 1	12 32	22 37			n.a.
F 6	23 34	25 56	5 1	19 15	4 30	14 48	4 42	21 11	0 14	18 55	1 19	10 29	2 20	21 32	0 40	3 51	1 51	31 54	10 14	12 57	12 31	22 39			n.a.
S 7	23 30	22 55	5 1	19 22	4 23	14 58	4 41	21 20	0 14	18 57	1 19	10 27	2 20	21 32	0 40	3 51	1 51	31 55	10 14	12 53	12 30	22 42			n.a.
S 8	23 27	18 46	4 47	19 31	4 14	15 8	4 40	21 28	0 15	18 59	1 19	10 25	2 20	21 33	0 40	3 51	1 52	31 55	10 14	12 50	12 29	22 44			n.a.
M 9	23 22	13 42	4 18	19 42	4 3	15 18	4 38	21 36	0 16	19 1	1 19	10 23	2 20	21 33	0 40	3 52	1 52	31 56	10 14	12 48	12 28	22 46			n.a.
T 10	23 18	7 56	3 35	19 54	3 51	15 29	4 36	21 44	0 17	19 2	1 20	10 21	2 20	21 34	0 40	3 52	1 52	31 56	10 14	12 46	12 27	22 48			n.a.
W11	23 13	1 42	2 39	20 6	3 39	15 40	4 34	21 51	0 17	19 4	1 20	10 19	2 20	21 34	0 40	3 52	1 52	31 56	10 14	12 46	12 26	22 50			n.a.
T 12	23 8	4n45	1 33	20 20	3 25	15 51	4 32	21 59	0 18	19 6	1 20	10 17	2 19	21 34	0 40	3 52	1 52	31 57	10 14	12 45	12 25	22 53			n.a.
F 13	23 2	11 7	0 20	20 35	3 10	16 2	4 30	22 6	0 19	19 8	1 20	10 15	2 19	21 35	0 40	3 52	1 52	31 57	10 14	12 46	12 23	22 55			n.a.
S 14	22 56	17 3	0n55	20 50	2 55	16 14	4 27	22 13	0 19	19 10	1 21	10 13	2 19	21 35	0 40	3 52	1 52	31 57	10 14	12 45	12 22	22 57			n.a.
S 15	22 49	22 7	2 9	21 6	2 39	16 26	4 25	22 20	0 20	19 12	1 21	10 11	2 19	21 36	0 40	3 53	1 52	31 57	10 15	12 45	12 21	22 59			n.a.
M16	22 42	25 52	3 14	21 22	2 22	16 37	4 22	22 27	0 21	19 14	1 21	10 9	2 19	21 36	0 40	3 53	1 52	31 58	10 15	12 43	12 20	23 1			n.a.
T 17	22 35	27 51	4 7	21 39	2 6	16 49	4 19	22 34	0 21	19 16	1 21	10 6	2 19	21 37	0 40	3 53	1 52	31 58	10 15	12 41	12 19	23 4			n.a.
W18	22 27	27 50	4 43	21 55	1 49	17 1	4 16	22 40	0 22	19 18	1 22	10 4	2 19	21 37	0 40	3 53	1 52	31 58	10 15	12 37	12 18	23 6			n.a.
T 19	22 19	25 51	5 0	22 12	1 33	17 13	4 13	22 46	0 23	19 20	1 22	10 2	2 18	21 38	0 40	3 53	1 52	31 59	10 15	12 34	12 17	23 8			n.a.
F 20	22 10	22 14	4 57	22 27	1 17	17 25	4 10	22 52	0 24	19 23	1 22	10 0	2 18	21 38	0 40	3 54	1 52	31 59	10 15	12 30	12 16	23 10			n.a.
S 21	22 1	17 26	4 37	22 42	1 1	17 37	4 6	22 58	0 24	19 25	1 22	9 58	2 18	21 39	0 40	3 54	1 52	31 59	10 15	12 26	12 15	23 12			n.a.
S 22	21 52	11 55	4 1	22 56	0 45	17 48	4 3	23 4	0 25	19 27	1 22	9 55	2 18	21 39	0 40	3 54	1 52	32 0	10 15	12 24	12 13	23 14			n.a.
M23	21 42	6 1	3 14	23 9	0 30	18 0	3 59	23 10	0 26	19 29	1 23	9 53	2 18	21 40	0 40	3 55	1 52	32 0	10 15	12 22	12 12	23 16			n.a.
T 24	21 32	0 4	2 18	23 21	0 15	18 12	3 55	23 15	0 26	19 31	1 23	9 51	2 18	21 40	0 40	3 55	1 53	32 0	10 15	12 20	12 11	23 19			n.a.
W25	21 21	5s44	1 17	23 30	0 1	18 23	3 52	23 20	0 27	19 33	1 23	9 48	2 18	21 41	0 40	3 55	1 53	32 0	10 15	12 20	12 10	23 21			n.a.
T 26	21 10	11 13	0 14	23 38	0n12	18 35	3 48	23 25	0 28	19 36	1 23	9 46	2 17	21 41	0 40	3 56	1 53	32 1	10 15	12 20	12 9	23 23			n.a.
F 27	20 59	16 13	0s49	23 44	0 25	18 46	3 44	23 30	0 29	19 38	1 23	9 44	2 17	21 42	0 40	3 56	1 53	32 1	10 15	12 20	12 8	23 25			n.a.
S 28	20 47	20 34	1 49	23 47	0 37	18 57	3 40	23 34	0 29	19 40	1 23	9 41	2 17	21 42	0 40	3 56	1 53	32 1	10 15	12 20	12 7	23 27			n.a.
S 29	20 35	24 7	2 45	23 48	0 48	19 8	3 36	23 39	0 30	19 42	1 24	9 39	2 17	21 43	0 40	3 57	1 53	32 2	10 15	12 18	12 6	23 29			n.a.
M30	20 23	26 38	3 33	23 46	0 58	19 19	3 32	23 43	0 31	19 44	1 24	9 36	2 17	21 43	0 40	3 57	1 53	32 2	10 15	12 16	12 4	23 31			n.a.
T 31	20n10	27s58	4s13	23n42	1n 7	19n29	3s27	23n47	0n31	19s47	1s24	9n34	2n17	21s44	0s40	3s57	1s53	32s 2	10s15	12n13	12n 3	23s33			n.a.

Julian Day Number = 1562720.5, Delta T = 04h23m04s
Ecliptic obliquity = 23°44'59, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'23, Lahiri = - 9°57'22 Julian Calendar 1 July 435 BCE == Greg. Calendar 26 June 435 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

AUGUST 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 15 24	2♌ 4'28	11♉ 7	19♋12	16♊11	19♊21	8°R 9	11♍17	26°R46	24°R26	21°R59	1°R31	1♉11	2♐38	n.a.	W 1
T 2	20 19 20	3° 2'37	23°33	21° 3	17° 8	19°58	8♒ 1	11°23	26♉44	24♓25	21♉58	1♉19	1° 8	2°44	n.a.	T 2
F 3	20 23 17	4° 0'48	6♒11	22°55	18° 5	20°36	7°53	11°30	26°41	24°24	21°56	1° 5	1° 5	2°51	n.a.	F 3
S 4	20 27 14	4°59'00	19° 3	24°49	19° 3	21°14	7°45	11°36	26°39	24°23	21°55	0°53	1° 2	2°58	n.a.	S 4
S 5	20 31 10	5°57'14	2♓ 6	26°43	20° 1	21°51	7°38	11°42	26°37	24°22	21°54	0°42	0°58	3° 4	n.a.	S 5
M 6	20 35 7	6°55'30	15°21	28°39	21° 0	22°29	7°30	11°48	26°34	24°21	21°53	0°33	0°55	3°11	n.a.	M 6
T 7	20 39 3	7°53'49	28°47	0♌34	21°59	23° 6	7°22	11°55	26°32	24°20	21°51	0°27	0°52	3°18	n.a.	T 7
W 8	20 43 0	8°52'09	12♈23	2°30	22°59	23°44	7°14	12° 1	26°30	24°19	21°50	0°25	0°49	3°24	n.a.	W 8
T 9	20 46 56	9°50'32	26° 8	4°25	23°58	24°21	7° 6	12° 8	26°27	24°18	21°49	0°D24	0°46	3°31	n.a.	T 9
F 10	20 50 53	10°48'57	10♉ 4	6°21	24°59	24°58	6°58	12°14	26°25	24°17	21°48	0°R24	0°43	3°38	n.a.	F 10
S 11	20 54 49	11°47'24	24°10	8°15	26° 0	25°36	6°50	12°21	26°23	24°16	21°46	0°23	0°39	3°44	n.a.	S 11
S 12	20 58 46	12°45'54	8♊26	10°10	27° 1	26°13	6°42	12°27	26°20	24°15	21°45	0°21	0°36	3°51	n.a.	S 12
M13	21 2 43	13°44'26	22°49	12° 3	28° 2	26°50	6°34	12°34	26°18	24°14	21°44	0°17	0°33	3°58	n.a.	M13
T 14	21 6 39	14°43'01	7♋16	13°56	29° 4	27°27	6°26	12°40	26°16	24°13	21°43	0°10	0°30	4° 4	n.a.	T 14
W15	21 10 36	15°41'37	21°42	15°48	0♋ 6	28° 4	6°19	12°47	26°14	24°11	21°42	0° 0	0°27	4°11	n.a.	W15
T 16	21 14 32	16°40'16	6♌ 1	17°38	1° 9	28°41	6°11	12°54	26°11	24°10	21°40	29♈49	0°24	4°18	n.a.	T 16
F 17	21 18 29	17°38'57	20° 6	19°28	2°11	29°18	6° 3	13° 0	26° 9	24° 9	21°39	29°38	0°20	4°24	n.a.	F 17
S 18	21 22 25	18°37'40	3♍53	21°17	3°14	29°55	5°56	13° 7	26° 7	24° 8	21°38	29°27	0°17	4°31	n.a.	S 18
S 19	21 26 22	19°36'24	17°17	23° 5	4°18	0♋31	5°48	13°14	26° 5	24° 6	21°37	29°19	0°14	4°38	n.a.	S 19
M20	21 30 18	20°35'11	0♎19	24°52	5°22	1° 8	5°41	13°21	26° 3	24° 5	21°36	29°13	0°11	4°45	n.a.	M20
T 21	21 34 15	21°34'00	12°59	26°38	6°26	1°45	5°33	13°28	26° 1	24° 4	21°35	29° 9	0° 8	4°51	n.a.	T 21
W22	21 38 12	22°32'50	25°19	28°23	7°30	2°21	5°26	13°34	25°59	24° 2	21°34	29°D 8	0° 4	4°58	n.a.	W22
T 23	21 42 8	23°31'42	7♏25	0♍ 7	8°34	2°58	5°19	13°41	25°57	24° 1	21°32	29° 8	0° 1	5° 5	n.a.	T 23
F 24	21 46 5	24°30'37	19°19	1°51	9°39	3°34	5°12	13°48	25°55	23°59	21°31	29°R 9	29♈58	5°11	n.a.	F 24
S 25	21 50 1	25°29'33	1♐ 9	3°33	10°44	4°10	5° 5	13°55	25°53	23°58	21°30	29° 9	29°55	5°18	n.a.	S 25
S 26	21 53 58	26°28'31	13° 0	5°14	11°49	4°47	4°58	14° 2	25°51	23°57	21°29	29° 7	29°52	5°25	n.a.	S 26
M27	21 57 54	27°27'31	24°55	6°54	12°55	5°23	4°51	14° 9	25°49	23°55	21°28	29° 3	29°49	5°31	n.a.	M27
T 28	22 1 51	28°26'33	7♑ 1	8°33	14° 1	5°59	4°44	14°16	25°47	23°54	21°27	28°57	29°45	5°38	n.a.	T 28
W29	22 5 47	29°25'37	19°20	10°12	15° 7	6°35	4°38	14°23	25°45	23°52	21°26	28°49	29°42	5°45	n.a.	W29
T 30	22 9 44	0♍24'43	1♒56	11°50	16°13	7°11	4°31	14°30	25°43	23°51	21°25	28°40	29°39	5°51	n.a.	T 30
F 31	22 13 41	1♍23'50	14♒49	13♍26	17♋20	7♋47	4♒25	14♍37	25♉41	23♓49	21♉24	28♈29	29♈36	5♐58	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	19n57	27s57	4s41	23n35	1n15	19n39	3s23	23n51	0n32	19s49	1s24	9n32	2n17	21s44	0s40	3s58	1s53	32s 2	10s15	12n 9	12n 2	23s35			n.a.
T 2	19 44	26 33	4 57	23 26	1 22	19 49	3 19	23 55	0 33	19 51	1 24	9 29	2 17	21 44	0 40	3 58	1 53	32 2	10 15	12 5	12 1	23 38			n.a.
F 3	19 30	23 47	4 59	23 13	1 28	19 59	3 14	23 58	0 34	19 53	1 24	9 27	2 17	21 45	0 40	3 59	1 53	32 3	10 15	12 0	12 0	23 40			n.a.
S 4	19 16	19 49	4 45	22 58	1 33	20 8	3 10	24 2	0 34	19 55	1 24	9 24	2 16	21 45	0 40	3 59	1 53	32 3	10 15	11 56	11 59	23 42			n.a.
S 5	19 2	14 51	4 17	22 41	1 38	20 17	3 5	24 5	0 35	19 58	1 25	9 22	2 16	21 46	0 40	3 59	1 53	32 3	10 15	11 52	11 58	23 44			n.a.
M 6	18 47	9 7	3 34	22 21	1 42	20 26	3 1	24 8	0 36	20 0	1 25	9 19	2 16	21 46	0 40	4 0	1 53	32 3	10 15	11 49	11 57	23 46			n.a.
T 7	18 32	2 55	2 39	21 59	1 44	20 34	2 56	24 11	0 37	20 2	1 25	9 17	2 16	21 47	0 40	4 0	1 53	32 4	10 15	11 47	11 56	23 48			n.a.
W 8	18 16	3n31	1 34	21 35	1 46	20 42	2 51	24 13	0 37	20 4	1 25	9 14	2 16	21 47	0 40	4 1	1 53	32 4	10 15	11 46	11 54	23 50			n.a.
T 9	18 1	9 52	0 23	21 9	1 48	20 50	2 47	24 16	0 38	20 6	1 25	9 11	2 16	21 48	0 40	4 1	1 53	32 4	10 15	11 45	11 53	23 52			n.a.
F 10	17 45	15 50	0n51	20 41	1 48	20 57	2 42	24 18	0 39	20 8	1 25	9 9	2 16	21 48	0 40	4 2	1 53	32 4	10 15	11 45	11 52	23 54			n.a.
S 11	17 28	21 2	2 2	20 11	1 48	21 4	2 37	24 20	0 40	20 11	1 25	9 6	2 16	21 49	0 40	4 2	1 54	32 4	10 15	11 45	11 51	23 56			n.a.
S 12	17 12	25 4	3 7	19 39	1 48	21 10	2 33	24 22	0 40	20 13	1 25	9 4	2 16	21 49	0 40	4 3	1 54	32 4	10 15	11 45	11 50	23 58			n.a.
M13	16 55	27 33	4 0	19 6	1 46	21 16	2 28	24 24	0 41	20 15	1 25	9 1	2 16	21 49	0 40	4 3	1 54	32 5	10 15	11 43	11 49	24 0			n.a.
T 14	16 38	28 10	4 38	18 32	1 45	21 22	2 23	24 25	0 42	20 17	1 25	8 58	2 16	21 50	0 40	4 4	1 54	32 5	10 15	11 40	11 48	24 2			n.a.
W15	16 20	26 53	4 58	17 56	1 42	21 27	2 18	24 27	0 43	20 19	1 25	8 56	2 15	21 50	0 40	4 4	1 54	32 5	10 15	11 37	11 47	24 4			n.a.
T 16	16 3	23 51	5 0	17 19	1 40	21 31	2 13	24 28	0 43	20 21	1 25	8 53	2 15	21 51	0 40	4 5	1 54	32 5	10 15	11 33	11 45	24 6			n.a.
F 17	15 45	19 26	4 43	16 42	1 36	21 35	2 9	24 29	0 44	20 23	1 25	8 50	2 15	21 51	0 40	4 5	1 54	32 5	10 15	11 29	11 44	24 8			n.a.
S 18	15 26	14 5	4 9	16 3	1 33	21 39	2 4	24 30	0 45	20 25	1 25	8 48	2 15	21 51	0 40	4 6	1 54	32 5	10 15	11 25	11 43	24 10			n.a.
S 19	15 8	8 11	3 23	15 23	1 29	21 42	1 59	24 31	0 46	20 27	1 25	8 45	2 15	21 52	0 40	4 7	1 54	32 5	10 15	11 22	11 42	24 12			n.a.
M20	14 49	2 7	2 27	14 43	1 24	21 44	1 54	24 31	0 46	20 29	1 25	8 42	2 15	21 52	0 40	4 7	1 54	32 6	10 15	11 20	11 41	24 14			n.a.
T 21	14 30	3s53	1 25	14 3	1 20	21 46	1 49	24 31	0 47	20 30	1 25	8 39	2 15	21 53	0 40	4 8	1 54	32 6	10 15	11 19	11 40	24 16			n.a.
W22	14 11	9 36	0 20	13 21	1 15	21 48	1 44	24 32	0 48	20 32	1 25	8 37	2 15	21 53	0 40	4 8	1 54	32 6	10 15	11 18	11 39	24 18			n.a.
T 23	13 51	14 51	0s44	12 39	1 10	21 49	1 40	24 32	0 49	20 34	1 25	8 34	2 15	21 53	0 40	4 9	1 54	32 6	10 14	11 19	11 38	24 20			n.a.
F 24	13 31	19 29	1 46	11 57	1 4	21 49	1 35	24 32	0 50	20 36	1 25	8 31	2 15	21 54	0 40	4 9	1 54	32 6	10 14	11 19	11 36	24 22			n.a.
S 25	13 11	23 18	2 42	11 15	0 58	21 49	1 30	24 31	0 50	20 37	1 25	8 29	2 15	21 54	0 40	4 10	1 54	32 6	10 14	11 19	11 35	24 24			n.a.
S 26	12 51	26 9	3 32	10 32	0 53	21 48	1 25	24 31	0 51	20 39	1 25	8 26	2 15	21 55	0 40	4 11	1 54	32 6	10 14	11 18	11 34	24 26			n.a.
M27	12 31	27 52	4 13	9 49	0 46	21 47	1 20	24 30	0 52	20 41	1 25	8 23	2 15	21 55	0 40	4 11	1 54	32 6	10 14	11 17	11 33	24 28			n.a.
T 28	12 10	28 16	4 43	9 5	0 40	21 45	1 16	24 29	0 53	20 42	1 25	8 20	2 15	21 55	0 40	4 12	1 54	32 6	10 14	11 15	11 32	24 30			n.a.
W29	11 49	27 17	5 0	8 22	0 34	21 43	1 11	24 28	0 53	20 44	1 25	8 17	2 15	21 56	0 40	4 13	1 54	32 6	10 14	11 12	11 31	24 32			n.a.
T 30	11 28	24 55	5 4	7 38	0 27	21 39	1 6	24 27	0 54	20 45	1 25	8 15	2 15	21 56	0 40	4 13	1 54	32 6	10 14	11 8	11 30	24 33			n.a.
F 31	11n 7	21s15	4s52	6n55	0n21	21n36	1s 1	24n26	0n55	20s47	1s25	8n12	2n15	21s56	0s40	4s14	1s54	32s 6	10s14	11n 4	11n28	24s35			n.a.

Julian Day Number = 1562751.5, Delta T = 04h23m03s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'19, Lahiri = - 9°57'18 Julian Calendar 1 Aug. 435 BCE == Greg. Calendar 27 July 435 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

SEPTEMBER 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 17 37	2♍23'00	27♒59	15♍ 2	18♋26	8♋23	4°R19	14♍44	25°R40	23°R48	21°R23	28°R19	29♈33	6♐ 5	n.a.	S 1
S 2	22 21 34	3°22'12	11♓25	16°37	19°33	8°59	4♒13	14°52	25♑38	23♓46	21♑23	28♈11	29°30	6°11	n.a.	S 2
M 3	22 25 30	4°21'26	25° 5	18°11	20°40	9°35	4° 7	14°59	25°36	23°45	21°22	28° 4	29°26	6°18	n.a.	M 3
T 4	22 29 27	5°20'43	8♈54	19°45	21°48	10°10	4° 1	15° 6	25°34	23°43	21°21	28° 0	29°23	6°25	n.a.	T 4
W 5	22 33 23	6°20'01	22°52	21°17	22°55	10°46	3°56	15°13	25°33	23°41	21°20	27°D59	29°20	6°31	n.a.	W 5
T 6	22 37 20	7°19'22	6♉55	22°49	24° 3	11°21	3°50	15°20	25°31	23°40	21°19	27°59	29°17	6°38	n.a.	T 6
F 7	22 41 16	8°18'46	21° 1	24°20	25°11	11°57	3°45	15°27	25°30	23°38	21°18	28° 0	29°14	6°45	n.a.	F 7
S 8	22 45 13	9°18'12	5♊ 9	25°51	26°19	12°32	3°40	15°34	25°28	23°37	21°17	28°R 1	29°10	6°51	n.a.	S 8
S 9	22 49 9	10°17'41	19°17	27°20	27°28	13° 8	3°35	15°42	25°27	23°35	21°17	28° 0	29° 7	6°58	n.a.	S 9
M10	22 53 6	11°17'12	3♋25	28°49	28°36	13°43	3°30	15°49	25°25	23°33	21°16	27°58	29° 4	7° 5	n.a.	M10
T 11	22 57 3	12°16'45	17°30	0♎17	29°45	14°18	3°26	15°56	25°24	23°32	21°15	27°54	29° 1	7°11	n.a.	T 11
W12	23 0 59	13°16'21	1♌29	1°44	0♌54	14°53	3°21	16° 3	25°22	23°30	21°14	27°48	28°58	7°18	n.a.	W12
T 13	23 4 56	14°15'59	15°20	3°10	2° 3	15°28	3°17	16°10	25°21	23°28	21°14	27°41	28°55	7°25	n.a.	T 13
F 14	23 8 52	15°15'40	28°59	4°36	3°12	16° 3	3°13	16°18	25°20	23°27	21°13	27°34	28°51	7°31	n.a.	F 14
S 15	23 12 49	16°15'22	12♍24	6° 1	4°22	16°38	3° 9	16°25	25°18	23°25	21°12	27°27	28°48	7°38	n.a.	S 15
S 16	23 16 45	17°15'07	25°31	7°25	5°31	17°13	3° 5	16°32	25°17	23°23	21°12	27°21	28°45	7°45	n.a.	S 16
M17	23 20 42	18°14'53	8♎21	8°47	6°41	17°47	3° 2	16°39	25°16	23°22	21°11	27°18	28°42	7°51	n.a.	M17
T 18	23 24 38	19°14'42	20°54	10° 9	7°51	18°22	2°58	16°46	25°15	23°20	21°11	27°16	28°39	7°58	n.a.	T 18
W19	23 28 35	20°14'33	3♏11	11°30	9° 1	18°56	2°55	16°54	25°14	23°18	21°10	27°D16	28°36	8° 5	n.a.	W19
T 20	23 32 32	21°14'25	15°14	12°50	10°11	19°31	2°52	17° 1	25°13	23°17	21° 9	27°17	28°32	8°11	n.a.	T 20
F 21	23 36 28	22°14'20	27° 9	14° 9	11°22	20° 5	2°50	17° 8	25°12	23°15	21° 9	27°19	28°29	8°18	n.a.	F 21
S 22	23 40 25	23°14'16	8♐59	15°26	12°32	20°39	2°47	17°15	25°11	23°13	21° 8	27°21	28°26	8°25	n.a.	S 22
S 23	23 44 21	24°14'14	20°49	16°43	13°43	21°13	2°45	17°22	25°10	23°12	21° 8	27°R21	28°23	8°31	n.a.	S 23
M24	23 48 18	25°14'14	2♑45	17°57	14°53	21°47	2°43	17°30	25° 9	23°10	21° 8	27°21	28°20	8°38	n.a.	M24
T 25	23 52 14	26°14'16	14°51	19°10	16° 4	22°21	2°41	17°37	25° 8	23° 8	21° 7	27°20	28°16	8°45	n.a.	T 25
W26	23 56 11	27°14'19	27°11	20°22	17°15	22°55	2°39	17°44	25° 8	23° 7	21° 7	27°17	28°13	8°51	n.a.	W26
T 27	0 0 7	28°14'24	9♒50	21°31	18°26	23°29	2°37	17°51	25° 7	23° 5	21° 6	27°13	28°10	8°58	n.a.	T 27
F 28	0 4 4	29°14'31	22°50	22°39	19°38	24° 3	2°36	17°58	25° 6	23° 3	21° 6	27° 8	28° 7	9° 5	n.a.	F 28
S 29	0 8 0	0♎14'39	6♓12	23°44	20°49	24°36	2°35	18° 5	25° 6	23° 2	21° 6	27° 4	28° 4	9°11	n.a.	S 29
S 30	0 11 57	1♎14'50	19♓56	24♎46	22♌ 0	25♋10	2♒34	18♍12	25♑ 5	23♓ 0	21♑ 5	27♈ 0	28♈ 1	9♐18	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n46	16s28	4s25	6n11	0n14	21n32	0s57	24n25	0n56	20s48	1s25	8n 9	2n15	21s57	0s40	4s14	1s54	32s 7	10s13	11n 1	11n27	24s37		n.a.
S 2	10 24	10 48	3 43	5 27	0 7	21 27	0 52	24 23	0 57	20 50	1 25	8 6	2 15	21 57	0 40	4 15	1 54	32 7	10 13	10 58	11 26	24 39		n.a.
M 3	10 2	4 32	2 47	4 44	0 0	21 21	0 47	24 21	0 57	20 51	1 25	8 3	2 15	21 57	0 40	4 16	1 54	32 7	10 13	10 55	11 25	24 41		n.a.
T 4	9 40	2n 2	1 41	4 0	0s 7	21 15	0 43	24 19	0 58	20 52	1 25	8 1	2 15	21 57	0 40	4 16	1 54	32 7	10 13	10 54	11 24	24 43		n.a.
W 5	9 18	8 35	0 27	3 17	0 14	21 9	0 38	24 17	0 59	20 54	1 25	7 58	2 15	21 58	0 40	4 17	1 54	32 7	10 13	10 53	11 23	24 45		n.a.
T 6	8 56	14 45	0n48	2 34	0 21	21 1	0 34	24 15	1 0	20 55	1 25	7 55	2 15	21 58	0 40	4 18	1 54	32 7	10 13	10 54	11 22	24 47		n.a.
F 7	8 34	20 11	2 1	1 51	0 28	20 54	0 29	24 13	1 1	20 56	1 25	7 52	2 15	21 58	0 40	4 18	1 55	32 7	10 13	10 54	11 20	24 49		n.a.
S 8	8 11	24 30	3 7	1 8	0 35	20 45	0 25	24 10	1 2	20 57	1 25	7 49	2 15	21 59	0 40	4 19	1 55	32 7	10 13	10 54	11 19	24 50		n.a.
S 9	7 48	27 19	4 1	0 26	0 42	20 36	0 21	24 8	1 2	20 58	1 24	7 47	2 15	21 59	0 40	4 20	1 55	32 7	10 12	10 54	11 18	24 52		n.a.
M10	7 25	28 23	4 41	0s17	0 50	20 26	0 16	24 5	1 3	20 59	1 24	7 44	2 15	21 59	0 40	4 20	1 55	32 7	10 12	10 53	11 17	24 54		n.a.
T 11	7 2	27 36	5 3	0 59	0 57	20 16	0 12	24 2	1 4	21 0	1 24	7 41	2 15	21 59	0 40	4 21	1 55	32 7	10 12	10 52	11 16	24 56		n.a.
W12	6 39	25 5	5 8	1 40	1 4	20 5	0 8	23 59	1 5	21 1	1 24	7 38	2 15	22 0	0 40	4 22	1 55	32 7	10 12	10 50	11 15	24 58		n.a.
T 13	6 16	21 7	4 54	2 21	1 11	19 54	0 4	23 56	1 6	21 2	1 24	7 35	2 15	22 0	0 40	4 22	1 55	32 6	10 12	10 47	11 14	25 0		n.a.
F 14	5 53	16 5	4 24	3 2	1 18	19 42	0n 0	23 52	1 7	21 3	1 24	7 32	2 15	22 0	0 40	4 23	1 55	32 6	10 12	10 44	11 12	25 1		n.a.
S 15	5 29	10 22	3 39	3 42	1 24	19 29	0 4	23 49	1 7	21 4	1 24	7 30	2 15	22 0	0 40	4 24	1 55	32 6	10 11	10 42	11 11	25 3		n.a.
S 16	5 6	4 18	2 44	4 22	1 31	19 16	0 8	23 45	1 8	21 5	1 24	7 27	2 15	22 0	0 40	4 24	1 55	32 6	10 11	10 40	11 10	25 5		n.a.
M17	4 42	1s49	1 41	5 1	1 38	19 3	0 12	23 42	1 9	21 5	1 24	7 24	2 15	22 1	0 40	4 25	1 55	32 6	10 11	10 39	11 9	25 7		n.a.
T 18	4 19	7 44	0 35	5 40	1 44	18 48	0 16	23 38	1 10	21 6	1 23	7 21	2 15	22 1	0 40	4 26	1 55	32 6	10 11	10 38	11 8	25 9		n.a.
W19	3 55	13 14	0s32	6 18	1 51	18 33	0 20	23 34	1 11	21 7	1 23	7 18	2 15	22 1	0 40	4 27	1 55	32 6	10 11	10 38	11 7	25 10		n.a.
T 20	3 31	18 9	1 37	6 56	1 57	18 18	0 24	23 30	1 12	21 7	1 23	7 16	2 15	22 1	0 40	4 27	1 55	32 6	10 11	10 38	11 6	25 12		n.a.
F 21	3 7	22 18	2 36	7 32	2 3	18 2	0 27	23 25	1 13	21 8	1 23	7 13	2 15	22 1	0 40	4 28	1 55	32 6	10 10	10 39	11 4	25 14		n.a.
S 22	2 43	25 31	3 28	8 8	2 9	17 46	0 31	23 21	1 14	21 8	1 23	7 10	2 15	22 1	0 40	4 29	1 55	32 6	10 10	10 40	11 3	25 16		n.a.
S 23	2 19	27 37	4 12	8 43	2 15	17 29	0 35	23 17	1 14	21 8	1 23	7 7	2 15	22 2	0 40	4 29	1 55	32 6	10 10	10 40	11 2	25 17		n.a.
M24	1 55	28 28	4 45	9 17	2 20	17 11	0 38	23 12	1 15	21 9	1 23	7 4	2 15	22 2	0 40	4 30	1 55	32 6	10 10	10 40	11 1	25 19		n.a.
T 25	1 31	27 58	5 6	9 50	2 25	16 53	0 41	23 7	1 16	21 9	1 22	7 2	2 15	22 2	0 40	4 31	1 55	32 6	10 10	10 39	11 0	25 21		n.a.
W26	1 7	26 6	5 13	10 22	2 30	16 34	0 45	23 2	1 17	21 9	1 22	6 59	2 15	22 2	0 39	4 31	1 55	32 5	10 9	10 38	10 59	25 23		n.a.
T 27	0 43	22 55	5 5	10 53	2 34	16 15	0 48	22 58	1 18	21 10	1 22	6 56	2 15	22 2	0 39	4 32	1 55	32 5	10 9	10 37	10 58	25 24		n.a.
F 28	0 18	18 31	4 42	11 22	2 39	15 56	0 51	22 53	1 19	21 10	1 22	6 53	2 15	22 2	0 39	4 33	1 55	32 5	10 9	10 35	10 56	25 26		n.a.
S 29	0s 6	13 7	4 3	11 50	2 42	15 36	0 54	22 47	1 20	21 10	1 22	6 50	2 15	22 2	0 39	4 33	1 55	32 5	10 9	10 33	10 55	25 28		n.a.
S 30	0s30	6s56	3s 9	12s17	2s46	15n15	0n57	22n42	1n21	21s10	1s22	6n48	2n15	22s 2	0s39	4s34	1s55	32s 5	10s 9	10n32	10n54	25s30		n.a.

Julian Day Number = 1562782.5, Delta T = 04h23m02s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'14, Lahiri = - 9°57'14 Julian Calendar 1 Sept. 435 BCE == Greg. Calendar 27 Aug. 435 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

OCTOBER 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 15 54	2♎15'02	3♈57	25♎46	23♌12	25♋43	2°R33	18♍19	25°R 5	22°R58	21°R 5	26°R57	27♈57	9♐25	n.a.	M 1
T 2	0 19 50	3°15'16	18°14	26°43	24°24	26°16	2♒33	18°26	25♉ 4	22♓57	21♉ 5	26♈56	27°54	9°32	n.a.	T 2
W 3	0 23 47	4°15'32	2♉39	27°36	25°36	26°49	2°32	18°34	25° 4	22°55	21° 5	26°D56	27°51	9°38	n.a.	W 3
T 4	0 27 43	5°15'50	17° 9	28°25	26°47	27°22	2°D32	18°41	25° 3	22°53	21° 5	26°56	27°48	9°45	n.a.	T 4
F 5	0 31 40	6°16'10	1♊37	29° 9	28° 0	27°55	2°32	18°48	25° 3	22°52	21° 4	26°58	27°45	9°52	n.a.	F 5
S 6	0 35 36	7°16'32	16° 1	29°49	29°12	28°28	2°33	18°55	25° 3	22°50	21° 4	26°59	27°41	9°58	n.a.	S 6
S 7	0 39 33	8°16'57	0♋16	0♏23	0♍24	29° 1	2°33	19° 1	25° 3	22°48	21° 4	27° 0	27°38	10° 5	n.a.	S 7
M 8	0 43 29	9°17'23	14°20	0°51	1°36	29°33	2°34	19° 8	25° 3	22°47	21° 4	27°R 0	27°35	10°12	n.a.	M 8
T 9	0 47 26	10°17'52	28°12	1°12	2°49	0♌ 6	2°35	19°15	25° 2	22°45	21° 4	26°59	27°32	10°18	n.a.	T 9
W10	0 51 23	11°18'23	11♌51	1°25	4° 1	0°38	2°36	19°22	25° 2	22°44	21° 4	26°58	27°29	10°25	n.a.	W10
T 11	0 55 19	12°18'55	25°18	1°R31	5°14	1°11	2°37	19°29	25°D 2	22°42	21°D 4	26°56	27°26	10°32	n.a.	T 11
F 12	0 59 16	13°19'30	8♍31	1°27	6°27	1°43	2°39	19°36	25° 2	22°40	21° 4	26°54	27°22	10°38	n.a.	F 12
S 13	1 3 12	14°20'06	21°30	1°14	7°40	2°15	2°40	19°43	25° 3	22°39	21° 4	26°52	27°19	10°45	n.a.	S 13
S 14	1 7 9	15°20'44	4♎16	0°51	8°52	2°47	2°42	19°49	25° 3	22°37	21° 4	26°51	27°16	10°52	n.a.	S 14
M15	1 11 5	16°21'23	16°48	0°18	10° 5	3°18	2°44	19°56	25° 3	22°36	21° 4	26°50	27°13	10°58	n.a.	M15
T 16	1 15 2	17°22'04	29° 8	29♎34	11°19	3°50	2°47	20° 3	25° 3	22°34	21° 4	26°D50	27°10	11° 5	n.a.	T 16
W17	1 18 58	18°22'47	11♏17	28°41	12°32	4°21	2°49	20° 9	25° 3	22°33	21° 5	26°50	27° 7	11°12	n.a.	W17
T 18	1 22 55	19°23'31	23°17	27°38	13°45	4°53	2°52	20°16	25° 4	22°31	21° 5	26°51	27° 3	11°18	n.a.	T 18
F 19	1 26 52	20°24'17	5♐10	26°28	14°58	5°24	2°55	20°23	25° 4	22°30	21° 5	26°51	27° 0	11°25	n.a.	F 19
S 20	1 30 48	21°25'04	16°59	25°11	16°12	5°55	2°58	20°29	25° 5	22°28	21° 5	26°52	26°57	11°32	n.a.	S 20
S 21	1 34 45	22°25'52	28°49	23°50	17°25	6°26	3° 1	20°36	25° 5	22°27	21° 5	26°53	26°54	11°38	n.a.	S 21
M22	1 38 41	23°26'41	10♑43	22°28	18°39	6°57	3° 5	20°42	25° 6	22°26	21° 6	26°53	26°51	11°45	n.a.	M22
T 23	1 42 38	24°27'31	22°46	21° 8	19°52	7°27	3° 8	20°49	25° 6	22°24	21° 6	26°R53	26°47	11°52	n.a.	T 23
W24	1 46 34	25°28'23	5♒ 3	19°52	21° 6	7°58	3°12	20°55	25° 7	22°23	21° 6	26°53	26°44	11°59	n.a.	W24
T 25	1 50 31	26°29'15	17°38	18°42	22°19	8°28	3°16	21° 1	25° 8	22°22	21° 7	26°D53	26°41	12° 5	n.a.	T 25
F 26	1 54 27	27°30'09	0♓36	17°42	23°33	8°58	3°21	21° 8	25° 9	22°20	21° 7	26°53	26°38	12°12	n.a.	F 26
S 27	1 58 24	28°31'03	13°58	16°51	24°47	9°28	3°25	21°14	25° 9	22°19	21° 8	26°53	26°35	12°19	n.a.	S 27
S 28	2 2 21	29°31'58	27°46	16°11	26° 1	9°58	3°30	21°20	25°10	22°18	21° 8	26°53	26°32	12°25	n.a.	S 28
M29	2 6 17	0♏32'55	11♈59	15°43	27°15	10°27	3°35	21°26	25°11	22°16	21° 9	26°53	26°28	12°32	n.a.	M29
T 30	2 10 14	1°33'52	26°33	15°26	28°29	10°57	3°40	21°32	25°12	22°15	21° 9	26°R54	26°25	12°39	n.a.	T 30
W31	2 14 10	2♏34'51	11♉22	15°D21	29♍43	11♌26	3♒45	21♍38	25♉13	22♓14	21♉10	26♈53	26♈22	12♐45	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	0s54	0s17	2s 3	12s41	2s48	14n54	1n 0	22n37	1n22	21s10	1s21	6n45	2n16	22s 2	0s39	4s35	1s55	32s 5	10s 8	10n31	10n53	25s31			n.a.
T 2	1 19	6n30	0 48	13 4	2 50	14 33	1 3	22 31	1 23	21 10	1 21	6 42	2 16	22 2	0 39	4 35	1 55	32 5	10 8	10 31	10 52	25 33			n.a.
W 3	1 43	13 3	0n32	13 25	2 52	14 11	1 6	22 26	1 24	21 10	1 21	6 40	2 16	22 2	0 39	4 36	1 55	32 4	10 8	10 30	10 51	25 35			n.a.
T 4	2 7	18 55	1 49	13 44	2 53	13 49	1 9	22 20	1 25	21 10	1 21	6 37	2 16	22 2	0 39	4 37	1 55	32 4	10 8	10 31	10 50	25 36			n.a.
F 5	2 31	23 41	3 0	14 0	2 53	13 26	1 11	22 15	1 26	21 9	1 21	6 34	2 16	22 3	0 39	4 37	1 55	32 4	10 8	10 31	10 48	25 38			n.a.
S 6	2 55	26 58	3 59	14 14	2 52	13 3	1 14	22 9	1 26	21 9	1 21	6 31	2 16	22 3	0 39	4 38	1 55	32 4	10 7	10 32	10 47	25 40			n.a.
S 7	3 20	28 27	4 42	14 24	2 50	12 40	1 16	22 3	1 27	21 9	1 20	6 29	2 16	22 3	0 39	4 38	1 55	32 4	10 7	10 32	10 46	25 41			n.a.
M 8	3 44	28 4	5 8	14 32	2 48	12 16	1 18	21 57	1 28	21 9	1 20	6 26	2 16	22 3	0 39	4 39	1 55	32 3	10 7	10 32	10 45	25 43			n.a.
T 9	4 8	25 56	5 16	14 36	2 44	11 51	1 21	21 51	1 29	21 8	1 20	6 23	2 16	22 3	0 39	4 40	1 55	32 3	10 7	10 32	10 44	25 45			n.a.
W10	4 32	22 20	5 5	14 36	2 39	11 27	1 23	21 45	1 30	21 8	1 20	6 21	2 16	22 3	0 39	4 40	1 55	32 3	10 7	10 31	10 43	25 46			n.a.
T 11	4 56	17 37	4 38	14 31	2 32	11 2	1 25	21 38	1 31	21 7	1 20	6 18	2 16	22 3	0 39	4 41	1 55	32 3	10 6	10 31	10 41	25 48			n.a.
F 12	5 20	12 8	3 57	14 23	2 24	10 36	1 27	21 32	1 32	21 7	1 19	6 16	2 17	22 2	0 39	4 42	1 55	32 3	10 6	10 30	10 40	25 50			n.a.
S 13	5 43	6 13	3 3	14 9	2 14	10 11	1 29	21 26	1 33	21 6	1 19	6 13	2 17	22 2	0 39	4 42	1 55	32 2	10 6	10 29	10 39	25 51			n.a.
S 14	6 7	0 9	2 2	13 50	2 3	9 45	1 31	21 19	1 34	21 6	1 19	6 10	2 17	22 2	0 39	4 43	1 55	32 2	10 6	10 29	10 38	25 53			n.a.
M15	6 31	5s50	0 55	13 26	1 50	9 18	1 32	21 13	1 35	21 5	1 19	6 8	2 17	22 2	0 39	4 43	1 54	32 2	10 6	10 28	10 37	25 54			n.a.
T 16	6 54	11 31	0s13	12 57	1 35	8 52	1 34	21 6	1 36	21 4	1 19	6 5	2 17	22 2	0 39	4 44	1 54	32 2	10 5	10 28	10 36	25 56			n.a.
W17	7 18	16 40	1 19	12 22	1 19	8 25	1 36	21 0	1 37	21 3	1 19	6 3	2 17	22 2	0 39	4 45	1 54	32 2	10 5	10 28	10 35	25 58			n.a.
T 18	7 41	21 7	2 22	11 42	1 1	7 58	1 37	20 53	1 38	21 3	1 18	6 0	2 17	22 2	0 39	4 45	1 54	32 1	10 5	10 29	10 33	25 59			n.a.
F 19	8 4	24 40	3 17	10 59	0 41	7 30	1 38	20 46	1 40	21 2	1 18	5 58	2 17	22 2	0 39	4 46	1 54	32 1	10 5	10 29	10 32	26 1			n.a.
S 20	8 27	27 9	4 4	10 12	0 21	7 3	1 40	20 40	1 41	21 1	1 18	5 55	2 18	22 2	0 39	4 46	1 54	32 1	10 5	10 29	10 31	26 2			n.a.
S 21	8 50	28 25	4 40	9 23	0 1	6 35	1 41	20 33	1 42	21 0	1 18	5 53	2 18	22 2	0 39	4 47	1 54	32 1	10 4	10 29	10 30	26 4			n.a.
M22	9 13	28 23	5 5	8 33	0n20	6 7	1 42	20 26	1 43	20 59	1 18	5 50	2 18	22 2	0 39	4 47	1 54	32 0	10 4	10 30	10 29	26 5			n.a.
T 23	9 36	27 0	5 17	7 44	0 40	5 38	1 43	20 19	1 44	20 58	1 17	5 48	2 18	22 1	0 39	4 48	1 54	32 0	10 4	10 30	10 28	26 7			n.a.
W24	9 59	24 19	5 14	6 57	0 59	5 10	1 44	20 12	1 45	20 57	1 17	5 45	2 18	22 1	0 39	4 48	1 54	32 0	10 4	10 30	10 26	26 9			n.a.
T 25	10 21	20 27	4 57	6 14	1 17	4 41	1 45	20 5	1 46	20 56	1 17	5 43	2 18	22 1	0 39	4 49	1 54	32 0	10 4	10 30	10 25	26 10			n.a.
F 26	10 43	15 31	4 24	5 35	1 34	4 12	1 46	19 58	1 47	20 54	1 17	5 41	2 18	22 1	0 39	4 49	1 54	31 59	10 3	10 30	10 24	26 12			n.a.
S 27	11 5	9 43	3 37	5 3	1 48	3 43	1 46	19 51	1 48	20 53	1 17	5 38	2 19	22 1	0 39	4 50	1 54	31 59	10 3	10 30	10 23	26 13			n.a.
S 28	11 27	3 16	2 35	4 36	2 0	3 14	1 47	19 44	1 49	20 52	1 17	5 36	2 19	22 1	0 39	4 50	1 54	31 59	10 3	10 30	10 22	26 15			n.a.
M29	11 49	3n32	1 22	4 15	2 11	2 45	1 47	19 37	1 50	20 51	1 16	5 34	2 19	22 0	0 39	4 51	1 54	31 58	10 3	10 30	10 21	26 16			n.a.
T 30	12 10	10 20	0 2	4 1	2 19	2 15	1 48	19 30	1 52	20 49	1 16	5 31	2 19	22 0	0 39	4 51	1 54	31 58	10 2	10 30	10 19	26 18			n.a.
W31	12s32	16n42	1n20	3s53	2n26	1n46	1n48	19n23	1n53	20s48	1s16	5n29	2n19	22s 0	0s39	4s52	1s54	31s58	10s 2	10n30	10n18	26s19			n.a.

Julian Day Number = 1562812.5, Delta T = 04h23m01s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'10, Lahiri = - 9°57'10 Julian Calendar 1 Oct. 435 BCE == Greg. Calendar 26 Sept. 435 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

NOVEMBER 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 18 7	3♏35'50	26♉19	15♎26	0♎57	11♌55	3♒50	21♍44	25♑14	22°R13	21♑10	26°R53	26♈19	12♐52	n.a.	T 1
F 2	2 22 3	4°36'51	11♊16	15°41	2°11	12°24	3°56	21°50	25°15	22♓12	21°11	26♈52	26°16	12°59	n.a.	F 2
S 3	2 26 0	5°37'54	26° 4	16° 5	3°25	12°53	4° 2	21°56	25°16	22°11	21°11	26°51	26°13	13° 5	n.a.	S 3
S 4	2 29 56	6°38'57	10♋37	16°38	4°39	13°22	4° 7	22° 2	25°18	22° 9	21°12	26°50	26° 9	13°12	n.a.	S 4
M 5	2 33 53	7°40'02	24°52	17°17	5°53	13°50	4°14	22° 8	25°19	22° 8	21°13	26°49	26° 6	13°19	n.a.	M 5
T 6	2 37 50	8°41'08	8♌45	18° 4	7° 8	14°18	4°20	22°13	25°20	22° 7	21°13	26°D49	26° 3	13°25	n.a.	T 6
W 7	2 41 46	9°42'15	22°17	18°55	8°22	14°46	4°26	22°19	25°22	22° 6	21°14	26°49	26° 0	13°32	n.a.	W 7
T 8	2 45 43	10°43'23	5♍29	19°52	9°37	15°14	4°33	22°25	25°23	22° 5	21°15	26°50	25°57	13°39	n.a.	T 8
F 9	2 49 39	11°44'32	18°23	20°54	10°51	15°42	4°40	22°30	25°25	22° 4	21°16	26°52	25°53	13°46	n.a.	F 9
S 10	2 53 36	12°45'42	1♎ 2	21°59	12° 5	16° 9	4°46	22°36	25°26	22° 3	21°16	26°53	25°50	13°52	n.a.	S 10
S 11	2 57 32	13°46'53	13°28	23° 7	13°20	16°36	4°54	22°41	25°28	22° 3	21°17	26°54	25°47	13°59	n.a.	S 11
M12	3 1 29	14°48'05	25°43	24°19	14°34	17° 3	5° 1	22°46	25°29	22° 2	21°18	26°R55	25°44	14° 6	n.a.	M12
T 13	3 5 25	15°49'18	7♏50	25°32	15°49	17°30	5° 8	22°52	25°31	22° 1	21°19	26°54	25°41	14°12	n.a.	T 13
W14	3 9 22	16°50'31	19°49	26°49	17° 4	17°57	5°16	22°57	25°33	22° 0	21°20	26°53	25°38	14°19	n.a.	W14
T 15	3 13 19	17°51'45	1♐44	28° 7	18°18	18°23	5°23	23° 2	25°34	21°59	21°21	26°50	25°34	14°26	n.a.	T 15
F 16	3 17 15	18°53'00	13°35	29°26	19°33	18°49	5°31	23° 7	25°36	21°58	21°22	26°47	25°31	14°32	n.a.	F 16
S 17	3 21 12	19°54'15	25°24	0♏47	20°48	19°15	5°39	23°12	25°38	21°58	21°23	26°42	25°28	14°39	n.a.	S 17
S 18	3 25 8	20°55'30	7♑15	2°10	22° 2	19°40	5°47	23°17	25°40	21°57	21°24	26°38	25°25	14°46	n.a.	S 18
M19	3 29 5	21°56'45	19° 9	3°33	23°17	20° 5	5°56	23°22	25°42	21°56	21°25	26°34	25°22	14°52	n.a.	M19
T 20	3 33 1	22°58'01	1♒11	4°58	24°32	20°30	6° 4	23°26	25°44	21°56	21°26	26°31	25°18	14°59	n.a.	T 20
W21	3 36 58	23°59'16	13°25	6°23	25°46	20°55	6°13	23°31	25°46	21°55	21°27	26°29	25°15	15° 6	n.a.	W21
T 22	3 40 55	25° 0'32	25°54	7°49	27° 1	21°19	6°22	23°36	25°48	21°54	21°28	26°D29	25°12	15°13	n.a.	T 22
F 23	3 44 51	26° 1'47	8♓43	9°16	28°16	21°44	6°30	23°40	25°50	21°54	21°29	26°29	25° 9	15°19	n.a.	F 23
S 24	3 48 48	27° 3'02	21°56	10°43	29°31	22° 7	6°39	23°45	25°52	21°53	21°30	26°31	25° 6	15°26	n.a.	S 24
S 25	3 52 44	28° 4'18	5♈36	12°11	0♏46	22°31	6°49	23°49	25°54	21°53	21°31	26°33	25° 3	15°33	n.a.	S 25
M26	3 56 41	29° 5'33	19°44	13°40	2° 0	22°54	6°58	23°53	25°56	21°53	21°32	26°R34	24°59	15°39	n.a.	M26
T 27	4 0 37	0♐ 6'48	4♉19	15° 9	3°15	23°17	7° 7	23°58	25°59	21°52	21°33	26°34	24°56	15°46	n.a.	T 27
W28	4 4 34	1° 8'03	19°16	16°38	4°30	23°40	7°17	24° 2	26° 1	21°52	21°34	26°32	24°53	15°53	n.a.	W28
T 29	4 8 30	2° 9'18	4♊28	18° 8	5°45	24° 2	7°27	24° 6	26° 3	21°51	21°36	26°28	24°50	15°59	n.a.	T 29
F 30	4 12 27	3♐10'33	19♊46	19♏39	7♏ 0	24♌24	7♒36	24♍10	26♑ 6	21♓51	21♑37	26♈23	24♈47	16♐ 6	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s53	22n 7	2n36	3s51	2n30	1n16	1n48	19n15	1n54	20s46	1s16	5n27	2n19	22s 0	0s38	4s52	1s54	31s58	10s 2	10n30	10n17	26s21		n.a.
F 2	13 14	26 5	3 42	3 54	2 33	0 47	1 49	19 8	1 55	20 45	1 16	5 25	2 20	21 59	0 38	4 52	1 54	31 57	10 2	10 29	10 16	26 22		n.a.
S 3	13 34	28 14	4 33	4 2	2 35	0 17	1 49	19 1	1 56	20 43	1 15	5 22	2 20	21 59	0 38	4 53	1 54	31 57	10 2	10 29	10 15	26 24		n.a.
S 4	13 55	28 22	5 4	4 14	2 35	0s13	1 49	18 54	1 57	20 42	1 15	5 20	2 20	21 59	0 38	4 53	1 54	31 57	10 1	10 29	10 14	26 25		n.a.
M 5	14 15	26 37	5 17	4 30	2 34	0 43	1 48	18 47	1 59	20 40	1 15	5 18	2 20	21 59	0 38	4 54	1 54	31 56	10 1	10 28	10 12	26 27		n.a.
T 6	14 35	23 17	5 10	4 50	2 32	1 13	1 48	18 40	2 0	20 38	1 15	5 16	2 20	21 58	0 38	4 54	1 54	31 56	10 1	10 28	10 11	26 28		n.a.
W 7	14 55	18 46	4 46	5 12	2 30	1 43	1 48	18 32	2 1	20 37	1 15	5 14	2 20	21 58	0 38	4 54	1 54	31 56	10 1	10 28	10 10	26 29		n.a.
T 8	15 14	13 27	4 8	5 37	2 26	2 12	1 48	18 25	2 2	20 35	1 15	5 12	2 21	21 58	0 38	4 55	1 54	31 55	10 1	10 29	10 9	26 31		n.a.
F 9	15 33	7 40	3 17	6 4	2 22	2 42	1 47	18 18	2 3	20 33	1 14	5 10	2 21	21 58	0 38	4 55	1 54	31 55	10 1	10 29	10 8	26 32		n.a.
S 10	15 52	1 42	2 18	6 33	2 17	3 12	1 47	18 11	2 5	20 31	1 14	5 8	2 21	21 57	0 38	4 55	1 54	31 55	10 0	10 30	10 7	26 34		n.a.
S 11	16 11	4s15	1 14	7 3	2 12	3 42	1 46	18 4	2 6	20 29	1 14	5 6	2 21	21 57	0 38	4 56	1 53	31 54	10 0	10 30	10 5	26 35		n.a.
M12	16 29	9 58	0 7	7 35	2 7	4 12	1 46	17 57	2 7	20 27	1 14	5 4	2 21	21 57	0 38	4 56	1 53	31 54	10 0	10 30	10 4	26 37		n.a.
T 13	16 47	15 15	1s 0	8 8	2 1	4 42	1 45	17 50	2 9	20 25	1 14	5 2	2 22	21 56	0 38	4 56	1 53	31 54	10 0	10 30	10 3	26 38		n.a.
W14	17 5	19 54	2 3	8 41	1 54	5 11	1 44	17 42	2 10	20 23	1 14	5 0	2 22	21 56	0 38	4 57	1 53	31 53	10 0	10 29	10 2	26 39		n.a.
T 15	17 23	23 43	3 0	9 16	1 48	5 41	1 43	17 35	2 11	20 21	1 13	4 58	2 22	21 56	0 38	4 57	1 53	31 53	9 59	10 29	10 1	26 41		n.a.
F 16	17 40	26 31	3 49	9 51	1 41	6 10	1 42	17 28	2 12	20 19	1 13	4 56	2 22	21 55	0 38	4 57	1 53	31 53	9 59	10 27	10 0	26 42		n.a.
S 17	17 57	28 8	4 28	10 26	1 34	6 40	1 41	17 22	2 14	20 17	1 13	4 55	2 22	21 55	0 38	4 57	1 53	31 52	9 59	10 26	9 58	26 44		n.a.
S 18	18 13	28 28	4 56	11 1	1 27	7 9	1 40	17 15	2 15	20 15	1 13	4 53	2 23	21 55	0 38	4 58	1 53	31 52	9 59	10 24	9 57	26 45		n.a.
M19	18 29	27 29	5 11	11 37	1 20	7 38	1 39	17 8	2 16	20 13	1 13	4 51	2 23	21 54	0 38	4 58	1 53	31 52	9 59	10 23	9 56	26 46		n.a.
T 20	18 45	25 14	5 13	12 12	1 13	8 7	1 38	17 1	2 18	20 10	1 13	4 49	2 23	21 54	0 38	4 58	1 53	31 51	9 59	10 22	9 55	26 48		n.a.
W21	19 1	21 48	5 0	12 48	1 5	8 36	1 36	16 54	2 19	20 8	1 13	4 48	2 23	21 53	0 38	4 58	1 53	31 51	9 58	10 21	9 54	26 49		n.a.
T 22	19 16	17 20	4 33	13 23	0 58	9 4	1 35	16 48	2 21	20 6	1 12	4 46	2 24	21 53	0 38	4 58	1 53	31 51	9 58	10 21	9 52	26 50		n.a.
F 23	19 31	11 59	3 53	13 58	0 51	9 32	1 34	16 41	2 22	20 3	1 12	4 44	2 24	21 53	0 38	4 59	1 53	31 50	9 58	10 21	9 51	26 52		n.a.
S 24	19 45	5 58	2 58	14 33	0 43	10 1	1 32	16 34	2 23	20 1	1 12	4 43	2 24	21 52	0 38	4 59	1 53	31 50	9 58	10 21	9 50	26 53		n.a.
S 25	19 59	0n32	1 52	15 7	0 36	10 29	1 30	16 28	2 25	19 58	1 12	4 41	2 24	21 52	0 38	4 59	1 53	31 50	9 58	10 22	9 49	26 54		n.a.
M26	20 13	7 15	0 37	15 42	0 29	10 56	1 29	16 21	2 26	19 56	1 12	4 40	2 24	21 51	0 38	4 59	1 53	31 49	9 58	10 22	9 48	26 56		n.a.
T 27	20 26	13 47	0n42	16 15	0 21	11 24	1 27	16 15	2 28	19 53	1 12	4 38	2 25	21 51	0 38	4 59	1 53	31 49	9 57	10 22	9 47	26 57		n.a.
W28	20 39	19 42	2 1	16 48	0 14	11 51	1 26	16 9	2 29	19 51	1 12	4 37	2 25	21 50	0 38	4 59	1 53	31 49	9 57	10 22	9 45	26 58		n.a.
T 29	20 52	24 27	3 12	17 21	0 7	12 18	1 24	16 3	2 31	19 48	1 11	4 35	2 25	21 50	0 38	4 59	1 53	31 48	9 57	10 21	9 44	26 59		n.a.
F 30	21s 4	27n30	4n10	17s52	0s 0	12s44	1n22	15n57	2n32	19s45	1s11	4n34	2n25	21s49	0s38	4s59	1s52	31s48	9s57	10n19	9n43	27s 1		n.a.

Julian Day Number = 1562843.5, Delta T = 04h22m59s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'06, Lahiri = - 9°57'06 Julian Calendar 1 Nov. 435 BCE == Greg. Calendar 27 Oct. 435 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 435 BCE
geocentric

DECEMBER 435 BCE (-434) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 16 24	4♐11'48	4♋57	21♏ 9	8♏15	24♌46	7♒46	24♍14	26♉ 8	21°R51	21♉38	26°R18	24♈44	16♐13	n.a.	S 1
S 2	4 20 20	5°13'03	19°52	22°40	9°30	25° 8	7°56	24°18	26°10	21♓51	21°39	26♈12	24°40	16°19	n.a.	S 2
M 3	4 24 17	6°14'18	4♌25	24°12	10°45	25°29	8° 7	24°21	26°13	21°50	21°41	26° 7	24°37	16°26	n.a.	M 3
T 4	4 28 13	7°15'33	18°30	25°44	12° 0	25°49	8°17	24°25	26°15	21°50	21°42	26° 3	24°34	16°33	n.a.	T 4
W 5	4 32 10	8°16'49	2♍ 7	27°16	13°14	26°10	8°27	24°29	26°18	21°50	21°43	26° 2	24°31	16°40	n.a.	W 5
T 6	4 36 6	9°18'04	15°18	28°49	14°29	26°30	8°38	24°32	26°21	21°50	21°45	26°D 2	24°28	16°46	n.a.	T 6
F 7	4 40 3	10°19'19	28° 5	0♐22	15°44	26°49	8°48	24°35	26°23	21°50	21°46	26° 3	24°24	16°53	n.a.	F 7
S 8	4 44 0	11°20'34	10♎34	1°55	16°59	27° 9	8°59	24°39	26°26	21°D50	21°47	26° 4	24°21	17° 0	n.a.	S 8
S 9	4 47 56	12°21'49	22°48	3°29	18°14	27°27	9°10	24°42	26°28	21°50	21°49	26°R 5	24°18	17° 6	n.a.	S 9
M10	4 51 53	13°23'04	4♏51	5° 4	19°29	27°46	9°21	24°45	26°31	21°50	21°50	26° 5	24°15	17°13	n.a.	M10
T 11	4 55 49	14°24'18	16°47	6°39	20°44	28° 4	9°32	24°48	26°34	21°50	21°52	26° 2	24°12	17°20	n.a.	T 11
W12	4 59 46	15°25'32	28°39	8°14	21°59	28°21	9°43	24°51	26°37	21°50	21°53	25°57	24° 9	17°26	n.a.	W12
T 13	5 3 42	16°26'46	10♐30	9°49	23°14	28°38	9°54	24°54	26°40	21°50	21°55	25°50	24° 5	17°33	n.a.	T 13
F 14	5 7 39	17°27'59	22°20	11°26	24°29	28°55	10° 6	24°56	26°42	21°50	21°56	25°41	24° 2	17°40	n.a.	F 14
S 15	5 11 35	18°29'12	4♑12	13° 2	25°44	29°11	10°17	24°59	26°45	21°51	21°58	25°30	23°59	17°47	n.a.	S 15
S 16	5 15 32	19°30'23	16° 6	14°39	26°59	29°27	10°29	25° 1	26°48	21°51	21°59	25°19	23°56	17°53	n.a.	S 16
M17	5 19 29	20°31'34	28° 6	16°17	28°14	29°42	10°41	25° 4	26°51	21°51	22° 1	25° 8	23°53	18° 0	n.a.	M17
T 18	5 23 25	21°32'44	10♒12	17°55	29°29	29°57	10°52	25° 6	26°54	21°52	22° 2	24°59	23°50	18° 7	n.a.	T 18
W19	5 27 22	22°33'53	22°28	19°34	0♐44	0♍12	11° 4	25° 8	26°57	21°52	22° 4	24°52	23°46	18°13	n.a.	W19
T 20	5 31 18	23°35'01	4♓56	21°14	1°59	0°25	11°16	25°11	27° 0	21°52	22° 5	24°48	23°43	18°20	n.a.	T 20
F 21	5 35 15	24°36'08	17°40	22°53	3°14	0°39	11°28	25°13	27° 3	21°53	22° 7	24°46	23°40	18°27	n.a.	F 21
S 22	5 39 11	25°37'13	0♈44	24°34	4°29	0°52	11°40	25°15	27° 6	21°53	22° 8	24°D46	23°37	18°33	n.a.	S 22
S 23	5 43 8	26°38'18	14°12	26°15	5°44	1° 4	11°52	25°16	27° 9	21°54	22°10	24°46	23°34	18°40	n.a.	S 23
M24	5 47 4	27°39'21	28° 7	27°57	6°59	1°16	12° 5	25°18	27°12	21°54	22°12	24°R47	23°30	18°47	n.a.	M24
T 25	5 51 1	28°40'23	12♉28	29°39	8°14	1°27	12°17	25°20	27°15	21°55	22°13	24°45	23°27	18°54	n.a.	T 25
W26	5 54 58	29°41'23	27°15	1♑22	9°29	1°37	12°29	25°21	27°19	21°55	22°15	24°42	23°24	19° 0	n.a.	W26
T 27	5 58 54	0♑42'23	12♊22	3° 6	10°44	1°47	12°42	25°23	27°22	21°56	22°16	24°35	23°21	19° 7	n.a.	T 27
F 28	6 2 51	1°43'21	27°40	4°50	11°59	1°57	12°55	25°24	27°25	21°57	22°18	24°27	23°18	19°14	n.a.	F 28
S 29	6 6 47	2°44'18	12♋59	6°35	13°14	2° 6	13° 7	25°25	27°28	21°57	22°20	24°16	23°15	19°20	n.a.	S 29
S 30	6 10 44	3°45'14	28° 6	8°20	14°29	2°14	13°20	25°26	27°31	21°58	22°21	24° 6	23°11	19°27	n.a.	S 30
M31	6 14 40	4♑46'09	12♌53	10♑ 6	15♐44	2♍22	13♒33	25♍27	27♉35	21♓59	22♉23	23♈56	23♈ 8	19♐34	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s16	28n28	4n49	18s24	0s 7	13s11	1n20	15n51	2n34	19s42	1s11	4n33	2n26	21s49	0s38	4s59	1s52	31s48	9s57	10n17	9n42	27s 2		n.a.
S 2	21 27	27 20	5 8	18 54	0 14	13 36	1 18	15 45	2 35	19 40	1 11	4 31	2 26	21 48	0 38	5 0	1 52	31 47	9 57	10 14	9 41	27 3		n.a.
M 3	21 38	24 22	5 7	19 24	0 21	14 2	1 16	15 39	2 37	19 37	1 11	4 30	2 26	21 48	0 38	5 0	1 52	31 47	9 57	10 13	9 40	27 5		n.a.
T 4	21 48	20 1	4 47	19 53	0 27	14 27	1 14	15 33	2 38	19 34	1 11	4 29	2 26	21 47	0 38	5 0	1 52	31 47	9 56	10 11	9 38	27 6		n.a.
W 5	21 58	14 45	4 11	20 21	0 34	14 52	1 12	15 28	2 40	19 31	1 11	4 28	2 27	21 47	0 38	5 0	1 52	31 46	9 56	10 11	9 37	27 7		n.a.
T 6	22 8	8 59	3 23	20 48	0 40	15 17	1 10	15 22	2 41	19 28	1 11	4 27	2 27	21 46	0 38	5 0	1 52	31 46	9 56	10 11	9 36	27 8		n.a.
F 7	22 17	3 0	2 26	21 15	0 46	15 41	1 8	15 17	2 43	19 25	1 10	4 25	2 27	21 46	0 38	5 0	1 52	31 46	9 56	10 11	9 35	27 9		n.a.
S 8	22 26	2s58	1 23	21 40	0 52	16 5	1 6	15 12	2 45	19 22	1 10	4 24	2 27	21 45	0 38	4 59	1 52	31 45	9 56	10 12	9 34	27 11		n.a.
S 9	22 34	8 42	0 18	22 5	0 58	16 28	1 3	15 7	2 46	19 19	1 10	4 23	2 28	21 45	0 38	4 59	1 52	31 45	9 56	10 12	9 32	27 12		n.a.
M10	22 42	14 3	0s47	22 28	1 4	16 51	1 1	15 2	2 48	19 16	1 10	4 22	2 28	21 44	0 38	4 59	1 52	31 44	9 56	10 12	9 31	27 13		n.a.
T 11	22 50	18 49	1 49	22 50	1 9	17 13	0 59	14 57	2 50	19 13	1 10	4 21	2 28	21 44	0 38	4 59	1 52	31 44	9 56	10 11	9 30	27 14		n.a.
W12	22 56	22 49	2 46	23 12	1 15	17 35	0 57	14 52	2 51	19 10	1 10	4 20	2 29	21 43	0 38	4 59	1 52	31 44	9 56	10 9	9 29	27 15		n.a.
T 13	23 3	25 52	3 36	23 32	1 20	17 57	0 54	14 48	2 53	19 7	1 10	4 20	2 29	21 43	0 38	4 59	1 52	31 43	9 55	10 6	9 28	27 17		n.a.
F 14	23 9	27 46	4 15	23 50	1 25	18 18	0 52	14 43	2 55	19 4	1 10	4 19	2 29	21 42	0 38	4 59	1 52	31 43	9 55	10 3	9 27	27 18		n.a.
S 15	23 15	28 25	4 44	24 8	1 29	18 39	0 49	14 39	2 56	19 0	1 10	4 18	2 29	21 41	0 38	4 59	1 52	31 43	9 55	9 59	9 25	27 19		n.a.
S 16	23 20	27 44	5 1	24 24	1 34	18 59	0 47	14 35	2 58	18 57	1 9	4 17	2 30	21 41	0 37	4 59	1 52	31 42	9 55	9 55	9 24	27 20		n.a.
M17	23 24	25 46	5 4	24 39	1 38	19 18	0 45	14 31	3 0	18 54	1 9	4 16	2 30	21 40	0 37	4 58	1 51	31 42	9 55	9 51	9 23	27 21		n.a.
T 18	23 29	22 38	4 54	24 53	1 42	19 37	0 42	14 27	3 1	18 50	1 9	4 16	2 30	21 40	0 37	4 58	1 51	31 42	9 55	9 48	9 22	27 22		n.a.
W19	23 32	18 27	4 31	25 5	1 45	19 55	0 40	14 24	3 3	18 47	1 9	4 15	2 30	21 39	0 37	4 58	1 51	31 41	9 55	9 45	9 21	27 24		n.a.
T 20	23 36	13 26	3 54	25 15	1 48	20 13	0 37	14 21	3 5	18 44	1 9	4 14	2 31	21 38	0 37	4 58	1 51	31 41	9 55	9 43	9 19	27 25		n.a.
F 21	23 38	7 46	3 5	25 25	1 51	20 31	0 35	14 17	3 7	18 40	1 9	4 14	2 31	21 38	0 37	4 58	1 51	31 41	9 55	9 43	9 18	27 26		n.a.
S 22	23 41	1 36	2 5	25 32	1 54	20 47	0 32	14 14	3 9	18 37	1 9	4 13	2 31	21 37	0 37	4 57	1 51	31 40	9 55	9 43	9 17	27 27		n.a.
S 23	23 42	4n49	0 56	25 38	1 56	21 3	0 29	14 12	3 10	18 33	1 9	4 13	2 32	21 37	0 37	4 57	1 51	31 40	9 55	9 43	9 16	27 28		n.a.
M24	23 44	11 13	0n18	25 42	1 58	21 19	0 27	14 9	3 12	18 29	1 9	4 12	2 32	21 36	0 37	4 57	1 51	31 40	9 55	9 43	9 15	27 29		n.a.
T 25	23 45	17 15	1 33	25 45	2 0	21 34	0 24	14 7	3 14	18 26	1 9	4 12	2 32	21 35	0 37	4 57	1 51	31 39	9 55	9 43	9 13	27 30		n.a.
W26	23 45	22 27	2 44	25 45	2 1	21 48	0 22	14 5	3 16	18 22	1 9	4 12	2 32	21 35	0 37	4 56	1 51	31 39	9 55	9 41	9 12	27 31		n.a.
T 27	23 45	26 17	3 45	25 44	2 2	22 2	0 19	14 3	3 18	18 19	1 8	4 11	2 33	21 34	0 37	4 56	1 51	31 39	9 55	9 39	9 11	27 32		n.a.
F 28	23 44	28 14	4 30	25 41	2 2	22 15	0 17	14 1	3 20	18 15	1 8	4 11	2 33	21 33	0 37	4 56	1 51	31 38	9 54	9 36	9 10	27 33		n.a.
S 29	23 43	28 1	4 56	25 37	2 2	22 27	0 14	13 59	3 21	18 11	1 8	4 11	2 33	21 33	0 37	4 55	1 51	31 38	9 54	9 32	9 9	27 34		n.a.
S 30	23 42	25 43	5 1	25 30	2 1	22 39	0 11	13 58	3 23	18 7	1 8	4 11	2 34	21 32	0 37	4 55	1 51	31 38	9 54	9 28	9 8	27 36		n.a.
M31	23s40	21n43	4n46	25s21	2s 0	22s50	0n 9	13n57	3n25	18s 4	1s 8	4n11	2n34	21s32	0s37	4s55	1s51	31s37	9s54	9n24	9n 6	27s37		n.a.

Julian Day Number = 1562873.5, Delta T = 04h22m58s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°04'02, Lahiri = - 9°57'02 Julian Calendar 1 Dec. 435 BCE == Greg. Calendar 26 Nov. 435 BCE

The year -434 astronomical counting style corresponds to year 435 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

JANUARY 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 18 37	5♑47'03	27♌12	11♑52	16♐59	2♍29	13♒46	25♍28	27♑38	22♓ 0	22♑25	23°R48	23♈ 5	19♐40	n.a.	T 1
W 2	6 22 34	6°47'55	11♍ 0	13°39	18°13	2°35	13°59	25°29	27°41	22° 1	22°26	23♈43	23° 2	19°47	n.a.	W 2
T 3	6 26 30	7°48'47	24°18	15°26	19°28	2°41	14°12	25°30	27°44	22° 1	22°28	23°40	22°59	19°54	n.a.	T 3
F 4	6 30 27	8°49'37	7♎ 9	17°13	20°43	2°46	14°25	25°30	27°48	22° 2	22°30	23°D40	22°56	20° 1	n.a.	F 4
S 5	6 34 23	9°50'27	19°37	19° 1	21°58	2°50	14°38	25°31	27°51	22° 3	22°31	23°R40	22°52	20° 7	n.a.	S 5
S 6	6 38 20	10°51'15	1♏48	20°48	23°13	2°54	14°51	25°31	27°54	22° 4	22°33	23°40	22°49	20°14	n.a.	S 6
M 7	6 42 16	11°52'02	13°48	22°35	24°28	2°57	15° 4	25°31	27°58	22° 5	22°35	23°38	22°46	20°21	n.a.	M 7
T 8	6 46 13	12°52'48	25°39	24°22	25°43	2°59	15°18	25°32	28° 1	22° 6	22°37	23°34	22°43	20°27	n.a.	T 8
W 9	6 50 9	13°53'33	7♐28	26° 8	26°58	3° 1	15°31	25°R32	28° 4	22° 7	22°38	23°27	22°40	20°34	n.a.	W 9
T 10	6 54 6	14°54'17	19°17	27°54	28°13	3° 2	15°44	25°32	28° 8	22° 8	22°40	23°17	22°36	20°41	n.a.	T 10
F 11	6 58 3	15°54'59	1♑ 9	29°38	29°28	3°R 2	15°58	25°31	28°11	22° 9	22°42	23° 4	22°33	20°47	n.a.	F 11
S 12	7 1 59	16°55'39	13° 5	1♒20	0♑42	3° 1	16°11	25°31	28°15	22°11	22°43	22°50	22°30	20°54	n.a.	S 12
S 13	7 5 56	17°56'18	25° 7	3° 1	1°57	3° 0	16°25	25°31	28°18	22°12	22°45	22°35	22°27	21° 1	n.a.	S 13
M14	7 9 52	18°56'56	7♒17	4°39	3°12	2°57	16°39	25°30	28°21	22°13	22°47	22°21	22°24	21° 8	n.a.	M14
T 15	7 13 49	19°57'31	19°34	6°14	4°27	2°54	16°52	25°30	28°25	22°14	22°49	22° 8	22°21	21°14	n.a.	T 15
W16	7 17 45	20°58'05	2♓ 0	7°45	5°42	2°51	17° 6	25°29	28°28	22°16	22°50	21°58	22°17	21°21	n.a.	W16
T 17	7 21 42	21°58'36	14°36	9°12	6°57	2°46	17°20	25°28	28°32	22°17	22°52	21°51	22°14	21°28	n.a.	T 17
F 18	7 25 38	22°59'06	27°25	10°35	8°11	2°41	17°34	25°28	28°35	22°18	22°54	21°47	22°11	21°34	n.a.	F 18
S 19	7 29 35	23°59'34	10♈30	11°52	9°26	2°35	17°48	25°27	28°39	22°20	22°56	21°46	22° 8	21°41	n.a.	S 19
S 20	7 33 32	24°59'59	23°53	13° 3	10°41	2°28	18° 1	25°26	28°42	22°21	22°57	21°46	22° 5	21°48	n.a.	S 20
M21	7 37 28	26° 0'23	7♉36	14° 7	11°56	2°20	18°15	25°24	28°46	22°22	22°59	21°46	22° 2	21°54	n.a.	M21
T 22	7 41 25	27° 0'45	21°42	15° 3	13°10	2°12	18°29	25°23	28°49	22°24	23° 1	21°44	21°58	22° 1	n.a.	T 22
W23	7 45 21	28° 1'04	6♊10	15°52	14°25	2° 3	18°43	25°22	28°52	22°25	23° 3	21°40	21°55	22° 8	n.a.	W23
T 24	7 49 18	29° 1'22	20°58	16°31	15°40	1°53	18°57	25°20	28°56	22°27	23° 4	21°33	21°52	22°15	n.a.	T 24
F 25	7 53 14	0♒ 1'37	5♋59	17° 2	16°55	1°42	19°11	25°19	28°59	22°28	23° 6	21°24	21°49	22°21	n.a.	F 25
S 26	7 57 11	1° 1'50	21° 4	17°24	18° 9	1°31	19°26	25°17	29° 3	22°30	23° 8	21°13	21°46	22°28	n.a.	S 26
S 27	8 1 7	2° 2'02	6♌ 4	17°36	19°24	1°19	19°40	25°15	29° 6	22°31	23° 9	21° 2	21°42	22°35	n.a.	S 27
M28	8 5 4	3° 2'11	20°48	17°R38	20°39	1° 6	19°54	25°14	29°10	22°33	23°11	20°51	21°39	22°41	n.a.	M28
T 29	8 9 1	4° 2'18	5♍10	17°30	21°53	0°52	20° 8	25°12	29°13	22°35	23°13	20°42	21°36	22°48	n.a.	T 29
W30	8 12 57	5° 2'24	19° 4	17°14	23° 8	0°38	20°22	25°10	29°17	22°36	23°15	20°36	21°33	22°55	n.a.	W30
T 31	8 16 54	6♒ 2'28	2♎29	16♒48	24♑23	0♍22	20♒37	25♍ 7	29♑20	22♓38	23♑16	20♈32	21♈30	23♐ 2	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23s37	16n33	4n13	25s10	1s58	23s 0	0n 6	13n56	3n27	18s 0	1s 8	4n10	2n34	21s31	0s37	4s54	1s51	31s37	9s54	9n21	9n 5	27s38			n.a.
W 2	23 34	10 42	3 26	24 58	1 56	23 9	0 4	13 56	3 29	17 56	1 8	4 10	2 34	21 30	0 37	4 54	1 51	31 37	9 54	9 19	9 4	27 39			n.a.
T 3	23 31	4 34	2 29	24 43	1 53	23 18	0 1	13 55	3 31	17 52	1 8	4 10	2 35	21 30	0 37	4 53	1 50	31 36	9 54	9 18	9 3	27 40			n.a.
F 4	23 27	1s33	1 26	24 26	1 50	23 27	0s 1	13 55	3 33	17 48	1 8	4 10	2 35	21 29	0 37	4 53	1 50	31 36	9 54	9 18	9 2	27 41			n.a.
S 5	23 23	7 27	0 21	24 8	1 46	23 34	0 4	13 55	3 35	17 44	1 8	4 10	2 35	21 28	0 37	4 53	1 50	31 36	9 54	9 18	9 0	27 42			n.a.
S 6	23 18	12 56	0s43	23 47	1 41	23 41	0 6	13 56	3 36	17 40	1 8	4 11	2 36	21 27	0 37	4 52	1 50	31 35	9 54	9 18	8 59	27 43			n.a.
M 7	23 13	17 51	1 44	23 24	1 36	23 47	0 9	13 56	3 38	17 36	1 8	4 11	2 36	21 27	0 37	4 52	1 50	31 35	9 54	9 17	8 58	27 44			n.a.
T 8	23 7	22 1	2 41	22 59	1 29	23 52	0 11	13 57	3 40	17 32	1 8	4 11	2 36	21 26	0 37	4 51	1 50	31 35	9 54	9 16	8 57	27 45			n.a.
W 9	23 1	25 17	3 29	22 33	1 23	23 57	0 14	13 58	3 42	17 28	1 8	4 11	2 36	21 25	0 37	4 51	1 50	31 35	9 54	9 13	8 56	27 46			n.a.
T 10	22 54	27 27	4 9	22 5	1 15	24 1	0 16	14 0	3 44	17 24	1 8	4 11	2 37	21 25	0 37	4 50	1 50	31 34	9 54	9 10	8 54	27 47			n.a.
F 11	22 47	28 23	4 38	21 35	1 7	24 4	0 19	14 2	3 46	17 20	1 7	4 12	2 37	21 24	0 37	4 50	1 50	31 34	9 54	9 5	8 53	27 48			n.a.
S 12	22 40	27 59	4 55	21 3	0 58	24 6	0 21	14 4	3 48	17 16	1 7	4 12	2 37	21 23	0 37	4 49	1 50	31 34	9 54	8 59	8 52	27 48			n.a.
S 13	22 32	26 17	4 59	20 31	0 48	24 8	0 24	14 6	3 50	17 11	1 7	4 13	2 38	21 23	0 37	4 49	1 50	31 33	9 54	8 54	8 51	27 49			n.a.
M14	22 23	23 21	4 49	19 57	0 37	24 9	0 26	14 8	3 51	17 7	1 7	4 13	2 38	21 22	0 37	4 48	1 50	31 33	9 54	8 48	8 50	27 50			n.a.
T 15	22 15	19 21	4 26	19 22	0 25	24 9	0 28	14 11	3 53	17 3	1 7	4 13	2 38	21 21	0 37	4 48	1 50	31 33	9 54	8 44	8 48	27 51			n.a.
W16	22 5	14 28	3 50	18 47	0 13	24 8	0 31	14 14	3 55	16 59	1 7	4 14	2 38	21 21	0 37	4 47	1 50	31 33	9 55	8 40	8 47	27 52			n.a.
T 17	21 56	8 56	3 2	18 11	0 0	24 7	0 33	14 17	3 57	16 54	1 7	4 14	2 39	21 20	0 37	4 47	1 50	31 32	9 55	8 37	8 46	27 53			n.a.
F 18	21 46	2 56	2 5	17 36	0n14	24 5	0 35	14 21	3 59	16 50	1 7	4 15	2 39	21 19	0 37	4 46	1 50	31 32	9 55	8 36	8 45	27 54			n.a.
S 19	21 35	3n18	0 59	17 0	0 28	24 2	0 37	14 25	4 0	16 46	1 7	4 16	2 39	21 18	0 37	4 45	1 50	31 32	9 55	8 35	8 44	27 55			n.a.
S 20	21 25	9 33	0n11	16 26	0 43	23 58	0 39	14 29	4 2	16 41	1 7	4 16	2 39	21 18	0 37	4 45	1 50	31 32	9 55	8 35	8 42	27 56			n.a.
M21	21 13	15 32	1 23	15 53	0 58	23 54	0 42	14 33	4 4	16 37	1 7	4 17	2 40	21 17	0 37	4 44	1 49	31 31	9 55	8 35	8 41	27 57			n.a.
T 22	21 2	20 51	2 31	15 21	1 14	23 49	0 44	14 38	4 5	16 33	1 7	4 18	2 40	21 16	0 37	4 44	1 49	31 31	9 55	8 35	8 40	27 58			n.a.
W23	20 50	25 5	3 31	14 52	1 30	23 43	0 46	14 43	4 7	16 28	1 7	4 19	2 40	21 16	0 37	4 43	1 49	31 31	9 55	8 33	8 39	27 58			n.a.
T 24	20 37	27 45	4 19	14 25	1 46	23 36	0 48	14 48	4 8	16 24	1 7	4 20	2 41	21 15	0 37	4 42	1 49	31 31	9 55	8 31	8 38	27 59			n.a.
F 25	20 24	28 26	4 50	14 0	2 1	23 29	0 50	14 53	4 10	16 19	1 7	4 20	2 41	21 14	0 37	4 42	1 49	31 30	9 55	8 27	8 36	28 0			n.a.
S 26	20 11	27 1	5 0	13 39	2 17	23 21	0 52	14 59	4 11	16 15	1 7	4 21	2 41	21 13	0 37	4 41	1 49	31 30	9 55	8 23	8 35	28 1			n.a.
S 27	19 58	23 41	4 50	13 21	2 32	23 12	0 53	15 4	4 13	16 10	1 7	4 22	2 41	21 13	0 37	4 40	1 49	31 30	9 55	8 18	8 34	28 2			n.a.
M28	19 44	18 51	4 21	13 7	2 46	23 3	0 55	15 10	4 14	16 6	1 7	4 23	2 42	21 12	0 37	4 40	1 49	31 30	9 55	8 14	8 33	28 3			n.a.
T 29	19 30	13 4	3 35	12 56	3 0	22 53	0 57	15 17	4 15	16 1	1 7	4 24	2 42	21 11	0 37	4 39	1 49	31 29	9 55	8 11	8 32	28 3			n.a.
W30	19 15	6 48	2 38	12 50	3 12	22 42	0 59	15 23	4 17	15 57	1 7	4 25	2 42	21 10	0 37	4 38	1 49	31 29	9 56	8 9	8 30	28 4			n.a.
T 31	19s 0	0n26	1n34	12s47	3n23	22s31	1s 1	15n30	4n18	15s52	1s 7	4n26	2n42	21s10	0s37	4s38	1s49	31s29	9s56	8n 7	8n29	28s 5			n.a.

Julian Day Number = 1562904.5, Delta T = 04h22m57s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'58, Lahiri = - 9°56'57 Julian Calendar 1 Jan. 434 BCE == Greg. Calendar 27 Dec. 435 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

FEBRUARY 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 20 50	7♒ 2'30	15♎26	16°R15	25♑37	0°R 7	20♒51	25°R 5	29♑24	22♓40	23♑18	20°D31	21♈27	23♐ 8	n.a.	F 1
S 2	8 24 47	8° 2'30	28° 0	15♒34	26°52	29♌50	21° 5	25♍ 3	29°27	22°41	23°20	20♈31	21°23	23°15	n.a.	S 2
S 3	8 28 43	9° 2'29	10♏14	14°47	28° 7	29°33	21°19	25° 1	29°30	22°43	23°21	20°R31	21°20	23°22	n.a.	S 3
M 4	8 32 40	10° 2'26	22°15	13°55	29°21	29°15	21°34	24°58	29°34	22°45	23°23	20°31	21°17	23°28	n.a.	M 4
T 5	8 36 36	11° 2'21	4♐ 8	12°59	0♒36	28°57	21°48	24°55	29°37	22°47	23°25	20°28	21°14	23°35	n.a.	T 5
W 6	8 40 33	12° 2'14	15°57	12° 0	1°51	28°38	22° 2	24°53	29°41	22°48	23°26	20°23	21°11	23°42	n.a.	W 6
T 7	8 44 30	13° 2'06	27°48	11° 1	3° 5	28°18	22°17	24°50	29°44	22°50	23°28	20°15	21° 8	23°49	n.a.	T 7
F 8	8 48 26	14° 1'55	9♑42	10° 2	4°20	27°58	22°31	24°47	29°47	22°52	23°30	20° 5	21° 4	23°55	n.a.	F 8
S 9	8 52 23	15° 1'43	21°45	9° 5	5°34	27°38	22°46	24°44	29°51	22°54	23°31	19°53	21° 1	24° 2	n.a.	S 9
S 10	8 56 19	16° 1'29	3♒56	8°10	6°49	27°17	23° 0	24°41	29°54	22°56	23°33	19°41	20°58	24° 9	n.a.	S 10
M11	9 0 16	17° 1'12	16°17	7°19	8° 3	26°55	23°14	24°38	29°57	22°58	23°35	19°29	20°55	24°15	n.a.	M11
T 12	9 4 12	18° 0'54	28°50	6°32	9°18	26°33	23°29	24°35	0♒ 1	23° 0	23°36	19°19	20°52	24°22	n.a.	T 12
W13	9 8 9	19° 0'33	11♓32	5°50	10°33	26°11	23°43	24°32	0° 4	23° 1	23°38	19°10	20°48	24°29	n.a.	W13
T 14	9 12 5	20° 0'10	24°26	5°14	11°47	25°49	23°58	24°29	0° 7	23° 3	23°39	19° 5	20°45	24°35	n.a.	T 14
F 15	9 16 2	20°59'44	7♈31	4°44	13° 2	25°26	24°12	24°25	0°11	23° 5	23°41	19° 2	20°42	24°42	n.a.	F 15
S 16	9 19 59	21°59'17	20°49	4°20	14°16	25° 3	24°27	24°22	0°14	23° 7	23°42	19°D 2	20°39	24°49	n.a.	S 16
S 17	9 23 55	22°58'47	4♉19	4° 3	15°31	24°40	24°41	24°18	0°17	23° 9	23°44	19° 2	20°36	24°56	n.a.	S 17
M18	9 27 52	23°58'14	18° 3	3°51	16°45	24°17	24°56	24°15	0°20	23°11	23°46	19°R 3	20°33	25° 2	n.a.	M18
T 19	9 31 48	24°57'39	2♊ 3	3°D46	17°59	23°53	25°10	24°11	0°24	23°13	23°47	19° 3	20°29	25° 9	n.a.	T 19
W20	9 35 45	25°57'02	16°17	3°46	19°14	23°30	25°25	24° 8	0°27	23°15	23°49	19° 1	20°26	25°16	n.a.	W20
T 21	9 39 41	26°56'22	0♋44	3°52	20°28	23° 7	25°39	24° 4	0°30	23°18	23°50	18°57	20°23	25°22	n.a.	T 21
F 22	9 43 38	27°55'40	15°20	4° 4	21°43	22°43	25°54	24° 0	0°33	23°20	23°52	18°51	20°20	25°29	n.a.	F 22
S 23	9 47 34	28°54'55	29°59	4°20	22°57	22°20	26° 8	23°56	0°36	23°22	23°53	18°44	20°17	25°36	n.a.	S 23
S 24	9 51 31	29°54'08	14♌35	4°42	24°12	21°57	26°22	23°52	0°40	23°24	23°55	18°36	20°14	25°43	n.a.	S 24
M25	9 55 28	0♓53'19	29° 0	5° 9	25°26	21°35	26°37	23°48	0°43	23°26	23°56	18°29	20°10	25°49	n.a.	M25
T 26	9 59 24	1°52'28	13♍ 8	5°40	26°40	21°12	26°51	23°44	0°46	23°28	23°57	18°23	20° 7	25°56	n.a.	T 26
W27	10 3 21	2°51'34	26°55	6°15	27°55	20°50	27° 6	23°40	0°49	23°30	23°59	18°18	20° 4	26° 3	n.a.	W27
T 28	10 7 17	3♓50'38	10♎17	6♒54	29♒ 9	20♌28	27♒20	23♍36	0♒52	23♓32	24♑ 0	18♈16	20♈ 1	26♐ 9	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s45	5s44	0n27	12s48	3n32	22s19	1s 2	15n36	4n19	15s47	1s 7	4n27	2n43	21s 9	0s37	4s37	1s49	31s29	9s56	8n 7	8n28	28s 6		n.a.
S 2	18 30	11 31	0s40	12 53	3 40	22 6	1 4	15 43	4 20	15 43	1 7	4 29	2 43	21 8	0 37	4 36	1 49	31 29	9 56	8 7	8 27	28 7		n.a.
S 3	18 14	16 42	1 43	13 1	3 46	21 53	1 5	15 50	4 21	15 38	1 7	4 30	2 43	21 8	0 37	4 35	1 49	31 28	9 56	8 7	8 26	28 7		n.a.
M 4	17 58	21 9	2 40	13 12	3 49	21 38	1 7	15 57	4 22	15 33	1 7	4 31	2 43	21 7	0 37	4 35	1 49	31 28	9 56	8 7	8 24	28 8		n.a.
T 5	17 41	24 41	3 30	13 27	3 51	21 24	1 8	16 5	4 22	15 29	1 7	4 32	2 43	21 6	0 37	4 34	1 49	31 28	9 56	8 6	8 23	28 9		n.a.
W 6	17 24	27 8	4 10	13 43	3 51	21 8	1 10	16 12	4 23	15 24	1 7	4 33	2 44	21 5	0 37	4 33	1 49	31 28	9 56	8 4	8 22	28 10		n.a.
T 7	17 7	28 23	4 40	14 2	3 48	20 52	1 11	16 20	4 24	15 19	1 7	4 35	2 44	21 5	0 37	4 32	1 49	31 28	9 56	8 1	8 21	28 10		n.a.
F 8	16 50	28 20	4 57	14 22	3 44	20 36	1 12	16 27	4 24	15 14	1 7	4 36	2 44	21 4	0 37	4 32	1 49	31 27	9 57	7 57	8 20	28 11		n.a.
S 9	16 32	26 56	5 2	14 44	3 37	20 19	1 14	16 35	4 25	15 10	1 7	4 37	2 44	21 3	0 37	4 31	1 49	31 27	9 57	7 52	8 18	28 12		n.a.
S 10	16 14	24 16	4 53	15 6	3 29	20 1	1 15	16 43	4 25	15 5	1 7	4 39	2 45	21 3	0 37	4 30	1 49	31 27	9 57	7 48	8 17	28 12		n.a.
M11	15 56	20 27	4 30	15 28	3 20	19 43	1 16	16 51	4 25	15 0	1 7	4 40	2 45	21 2	0 37	4 29	1 49	31 27	9 57	7 43	8 16	28 13		n.a.
T 12	15 38	15 41	3 54	15 50	3 9	19 24	1 17	16 58	4 25	14 55	1 7	4 42	2 45	21 1	0 37	4 28	1 49	31 27	9 57	7 39	8 15	28 14		n.a.
W13	15 19	10 11	3 6	16 12	2 57	19 4	1 18	17 6	4 25	14 50	1 7	4 43	2 45	21 1	0 37	4 28	1 49	31 27	9 57	7 36	8 14	28 15		n.a.
T 14	15 0	4 11	2 7	16 33	2 44	18 44	1 19	17 14	4 25	14 46	1 7	4 45	2 45	21 0	0 37	4 27	1 49	31 27	9 58	7 34	8 12	28 15		n.a.
F 15	14 41	2n 5	1 1	16 53	2 31	18 24	1 20	17 22	4 25	14 41	1 7	4 46	2 46	20 59	0 37	4 26	1 49	31 26	9 58	7 33	8 11	28 16		n.a.
S 16	14 22	8 22	0n10	17 12	2 17	18 3	1 21	17 29	4 25	14 36	1 7	4 48	2 46	20 58	0 38	4 25	1 48	31 26	9 58	7 33	8 10	28 17		n.a.
S 17	14 2	14 23	1 21	17 30	2 3	17 41	1 21	17 37	4 24	14 31	1 7	4 49	2 46	20 58	0 38	4 24	1 48	31 26	9 58	7 33	8 9	28 17		n.a.
M18	13 42	19 49	2 29	17 47	1 49	17 19	1 22	17 44	4 24	14 26	1 7	4 51	2 46	20 57	0 38	4 24	1 48	31 26	9 58	7 33	8 7	28 18		n.a.
T 19	13 22	24 15	3 29	18 2	1 34	16 57	1 23	17 52	4 23	14 21	1 7	4 53	2 46	20 56	0 38	4 23	1 48	31 26	9 58	7 33	8 6	28 19		n.a.
W20	13 2	27 19	4 18	18 16	1 20	16 34	1 23	17 59	4 22	14 16	1 7	4 54	2 46	20 56	0 38	4 22	1 48	31 26	9 59	7 33	8 5	28 19		n.a.
T 21	12 42	28 36	4 51	18 28	1 6	16 10	1 24	18 6	4 22	14 11	1 7	4 56	2 47	20 55	0 38	4 21	1 48	31 26	9 59	7 31	8 4	28 20		n.a.
F 22	12 21	27 55	5 6	18 39	0 52	15 47	1 24	18 13	4 21	14 6	1 7	4 58	2 47	20 54	0 38	4 20	1 48	31 26	9 59	7 29	8 3	28 20		n.a.
S 23	12 0	25 18	5 0	18 48	0 38	15 22	1 24	18 20	4 20	14 2	1 7	4 59	2 47	20 54	0 38	4 19	1 48	31 26	9 59	7 26	8 1	28 21		n.a.
S 24	11 39	21 3	4 36	18 56	0 25	14 58	1 25	18 26	4 18	13 57	1 7	5 1	2 47	20 53	0 38	4 18	1 48	31 25	9 59	7 23	8 0	28 22		n.a.
M25	11 18	15 37	3 54	19 2	0 12	14 33	1 25	18 33	4 17	13 52	1 8	5 3	2 47	20 52	0 38	4 18	1 48	31 25	10 0	7 20	7 59	28 22		n.a.
T 26	10 57	9 26	2 58	19 7	0s 1	14 7	1 25	18 39	4 16	13 47	1 8	5 4	2 47	20 52	0 38	4 17	1 48	31 25	10 0	7 18	7 58	28 23		n.a.
W27	10 35	2 58	1 53	19 10	0 13	13 41	1 25	18 45	4 14	13 42	1 8	5 6	2 48	20 51	0 38	4 16	1 48	31 25	10 0	7 16	7 57	28 23		n.a.
T 28	10s14	3s28	0n43	19s11	0s24	13s15	1s25	18n50	4n13	13s37	1s 8	5n 8	2n48	20s50	0s38	4s15	1s48	31s25	10s 0	7n15	7n55	28s24		n.a.

Julian Day Number = 1562935.5, Delta T = 04h22m56s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'54, Lahiri = - 9°56'53 Julian Calendar 1 Feb. 434 BCE == Greg. Calendar 27 Jan. 434 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

MARCH 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 11 14	4♓49'41	23♎16	7♒37	0♓23	20°R 6	27♒35	23°R32	0♒55	23♓35	24♑ 2	18°D16	19♈58	26♐16	n.a.	F 1
S 2	10 15 10	5°48'41	5♏53	8°24	1°37	19♌45	27°49	23♍28	0°58	23°37	24° 3	18♈17	19°54	26°23	n.a.	S 2
S 3	10 19 7	6°47'40	18°11	9°14	2°52	19°24	28° 3	23°24	1° 1	23°39	24° 4	18°19	19°51	26°30	n.a.	S 3
M 4	10 23 3	7°46'37	0♐16	10° 7	4° 6	19° 4	28°18	23°19	1° 4	23°41	24° 6	18°20	19°48	26°36	n.a.	M 4
T 5	10 27 0	8°45'31	12°11	11° 3	5°20	18°44	28°32	23°15	1° 7	23°43	24° 7	18°R20	19°45	26°43	n.a.	T 5
W 6	10 30 56	9°44'25	24° 3	12° 2	6°35	18°24	28°46	23°11	1°10	23°45	24° 8	18°19	19°42	26°50	n.a.	W 6
T 7	10 34 53	10°43'16	5♑56	13° 4	7°49	18° 6	29° 1	23° 6	1°12	23°48	24°10	18°16	19°39	26°56	n.a.	T 7
F 8	10 38 50	11°42'05	17°53	14° 9	9° 3	17°47	29°15	23° 2	1°15	23°50	24°11	18°12	19°35	27° 3	n.a.	F 8
S 9	10 42 46	12°40'53	0♒ 0	15°16	10°17	17°30	29°29	22°57	1°18	23°52	24°12	18° 6	19°32	27°10	n.a.	S 9
S 10	10 46 43	13°39'38	12°19	16°25	11°32	17°13	29°44	22°53	1°21	23°54	24°13	18° 0	19°29	27°17	n.a.	S 10
M11	10 50 39	14°38'22	24°51	17°37	12°46	16°57	29°58	22°49	1°24	23°57	24°15	17°54	19°26	27°23	n.a.	M11
T 12	10 54 36	15°37'03	7♓38	18°51	14° 0	16°41	0♓12	22°44	1°26	23°59	24°16	17°49	19°23	27°30	n.a.	T 12
W13	10 58 32	16°35'43	20°40	20° 7	15°14	16°26	0°26	22°40	1°29	24° 1	24°17	17°45	19°20	27°37	n.a.	W13
T 14	11 2 29	17°34'20	3♈56	21°25	16°28	16°12	0°40	22°35	1°32	24° 3	24°18	17°43	19°16	27°43	n.a.	T 14
F 15	11 6 25	18°32'55	17°25	22°45	17°42	15°59	0°54	22°31	1°34	24° 6	24°19	17°D42	19°13	27°50	n.a.	F 15
S 16	11 10 22	19°31'28	1♉ 5	24° 7	18°57	15°46	1° 9	22°26	1°37	24° 8	24°20	17°43	19°10	27°57	n.a.	S 16
S 17	11 14 18	20°29'59	14°55	25°32	20°11	15°34	1°23	22°21	1°39	24°10	24°22	17°44	19° 7	28° 4	n.a.	S 17
M18	11 18 15	21°28'28	28°54	26°57	21°25	15°23	1°37	22°17	1°42	24°12	24°23	17°45	19° 4	28°10	n.a.	M18
T 19	11 22 12	22°26'54	13♊ 0	28°25	22°39	15°13	1°51	22°12	1°44	24°15	24°24	17°47	19° 0	28°17	n.a.	T 19
W20	11 26 8	23°25'18	27°11	29°55	23°53	15° 4	2° 5	22° 8	1°47	24°17	24°25	17°R47	18°57	28°24	n.a.	W20
T 21	11 30 5	24°23'40	11♋25	1♓26	25° 7	14°55	2°18	22° 3	1°49	24°19	24°26	17°46	18°54	28°30	n.a.	T 21
F 22	11 34 1	25°22'00	25°41	2°59	26°21	14°47	2°32	21°59	1°52	24°21	24°27	17°44	18°51	28°37	n.a.	F 22
S 23	11 37 58	26°20'18	9♌54	4°34	27°35	14°40	2°46	21°54	1°54	24°24	24°28	17°41	18°48	28°44	n.a.	S 23
S 24	11 41 54	27°18'33	24° 1	6°11	28°49	14°34	3° 0	21°50	1°56	24°26	24°29	17°39	18°45	28°51	n.a.	S 24
M25	11 45 51	28°16'46	7♍58	7°50	0♈ 3	14°28	3°14	21°45	1°59	24°28	24°30	17°36	18°41	28°57	n.a.	M25
T 26	11 49 47	29°14'57	21°42	9°30	1°17	14°24	3°28	21°41	2° 1	24°30	24°31	17°34	18°38	29° 4	n.a.	T 26
W27	11 53 44	0♈13'06	5♎ 9	11°12	2°31	14°20	3°41	21°36	2° 3	24°33	24°31	17°33	18°35	29°11	n.a.	W27
T 28	11 57 41	1°11'13	18°18	12°56	3°45	14°17	3°55	21°32	2° 5	24°35	24°32	17°D32	18°32	29°17	n.a.	T 28
F 29	12 1 37	2° 9'19	1♏ 9	14°41	4°59	14°14	4° 8	21°27	2° 7	24°37	24°33	17°33	18°29	29°24	n.a.	F 29
S 30	12 5 34	3° 7'23	13°42	16°28	6°13	14°13	4°22	21°23	2° 9	24°39	24°34	17°34	18°25	29°31	n.a.	S 30
S 31	12 9 30	4♈ 5'26	26♏ 0	18♓18	7♈27	14♌12	4♓35	21♍19	2♒11	24♓42	24♑35	17♈35	18♈22	29♐38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s52	9s34	0s27	19s10	0s35	12s49	1s25	18n56	4n11	13s32	1s 8	5n10	2n48	20s50	0s38	4s14	1s48	31s25	10s 0	7n15	7n54	28s25		n.a.
S 2	9 30	15 8	1 34	19 8	0 46	12 22	1 25	19 1	4 9	13 27	1 8	5 11	2 48	20 49	0 38	4 13	1 48	31 25	10 1	7 16	7 53	28 25		n.a.
S 3	9 8	19 57	2 35	19 5	0 56	11 54	1 25	19 6	4 8	13 22	1 8	5 13	2 48	20 48	0 38	4 12	1 48	31 25	10 1	7 16	7 52	28 26		n.a.
M 4	8 46	23 51	3 28	19 0	1 6	11 27	1 25	19 11	4 6	13 17	1 8	5 15	2 48	20 48	0 38	4 11	1 48	31 25	10 1	7 17	7 51	28 26		n.a.
T 5	8 23	26 42	4 11	18 53	1 15	10 59	1 25	19 15	4 4	13 12	1 8	5 17	2 48	20 47	0 38	4 11	1 48	31 25	10 1	7 17	7 49	28 27		n.a.
W 6	8 1	28 20	4 43	18 44	1 24	10 31	1 24	19 20	4 2	13 7	1 8	5 19	2 48	20 47	0 38	4 10	1 48	31 25	10 2	7 16	7 48	28 27		n.a.
T 7	7 39	28 40	5 3	18 34	1 32	10 3	1 24	19 24	3 59	13 2	1 8	5 21	2 48	20 46	0 38	4 9	1 48	31 25	10 2	7 15	7 47	28 28		n.a.
F 8	7 16	27 40	5 10	18 23	1 39	9 34	1 24	19 27	3 57	12 57	1 8	5 22	2 49	20 45	0 38	4 8	1 48	31 25	10 2	7 13	7 46	28 28		n.a.
S 9	6 53	25 21	5 4	18 9	1 46	9 5	1 23	19 31	3 55	12 52	1 8	5 24	2 49	20 45	0 38	4 7	1 48	31 25	10 2	7 11	7 44	28 29		n.a.
S 10	6 30	21 51	4 43	17 54	1 53	8 36	1 23	19 34	3 53	12 47	1 8	5 26	2 49	20 44	0 38	4 6	1 48	31 25	10 3	7 9	7 43	28 29		n.a.
M11	6 7	17 18	4 9	17 38	1 59	8 7	1 22	19 37	3 50	12 42	1 8	5 28	2 49	20 44	0 38	4 5	1 48	31 25	10 3	7 7	7 42	28 30		n.a.
T 12	5 44	11 55	3 21	17 20	2 4	7 37	1 21	19 39	3 48	12 37	1 9	5 30	2 49	20 43	0 38	4 4	1 48	31 25	10 3	7 5	7 41	28 30		n.a.
W13	5 21	5 55	2 22	17 0	2 9	7 8	1 21	19 41	3 45	12 32	1 9	5 32	2 49	20 42	0 38	4 3	1 48	31 25	10 3	7 3	7 40	28 31		n.a.
T 14	4 58	0n27	1 15	16 39	2 13	6 38	1 20	19 43	3 43	12 27	1 9	5 34	2 49	20 42	0 38	4 2	1 48	31 25	10 4	7 2	7 38	28 31		n.a.
F 15	4 35	6 54	0 2	16 16	2 17	6 8	1 19	19 45	3 40	12 22	1 9	5 35	2 49	20 41	0 38	4 2	1 48	31 25	10 4	7 2	7 37	28 31		n.a.
S 16	4 12	13 8	1n13	15 51	2 20	5 37	1 18	19 46	3 38	12 17	1 9	5 37	2 49	20 41	0 38	4 1	1 48	31 25	10 4	7 2	7 36	28 32		n.a.
S 17	3 49	18 48	2 24	15 25	2 23	5 7	1 17	19 48	3 35	12 12	1 9	5 39	2 49	20 40	0 38	4 0	1 48	31 25	10 4	7 3	7 35	28 32		n.a.
M18	3 25	23 32	3 27	14 58	2 26	4 36	1 16	19 48	3 32	12 7	1 9	5 41	2 49	20 40	0 38	3 59	1 48	31 25	10 5	7 3	7 33	28 33		n.a.
T 19	3 2	26 55	4 18	14 28	2 27	4 6	1 15	19 49	3 30	12 2	1 9	5 43	2 49	20 39	0 38	3 58	1 48	31 25	10 5	7 4	7 32	28 33		n.a.
W20	2 39	28 37	4 54	13 58	2 28	3 35	1 14	19 49	3 27	11 57	1 9	5 45	2 49	20 38	0 38	3 57	1 48	31 25	10 5	7 4	7 31	28 34		n.a.
T 21	2 15	28 26	5 12	13 25	2 29	3 4	1 12	19 49	3 24	11 52	1 9	5 46	2 49	20 38	0 38	3 56	1 48	31 25	10 5	7 4	7 30	28 34		n.a.
F 22	1 52	26 22	5 11	12 51	2 29	2 33	1 11	19 49	3 22	11 47	1 9	5 48	2 49	20 37	0 38	3 55	1 48	31 26	10 6	7 3	7 29	28 34		n.a.
S 23	1 28	22 39	4 51	12 16	2 29	2 2	1 10	19 48	3 19	11 42	1 10	5 50	2 49	20 37	0 38	3 54	1 48	31 26	10 6	7 2	7 27	28 35		n.a.
S 24	1 5	17 40	4 13	11 39	2 28	1 31	1 9	19 48	3 16	11 37	1 10	5 52	2 49	20 36	0 38	3 53	1 48	31 26	10 6	7 1	7 26	28 35		n.a.
M25	0 42	11 47	3 21	11 0	2 26	1 0	1 7	19 47	3 13	11 32	1 10	5 54	2 49	20 36	0 38	3 52	1 48	31 26	10 7	7 0	7 25	28 35		n.a.
T 26	0 18	5 26	2 18	10 20	2 24	0 29	1 6	19 45	3 11	11 27	1 10	5 55	2 49	20 35	0 38	3 52	1 48	31 26	10 7	6 59	7 24	28 36		n.a.
W27	0n 5	1s 2	1 8	9 38	2 22	0n 2	1 4	19 44	3 8	11 22	1 10	5 57	2 49	20 35	0 38	3 51	1 48	31 26	10 7	6 58	7 22	28 36		n.a.
T 28	0 29	7 20	0s 4	8 55	2 19	0 33	1 3	19 42	3 5	11 17	1 10	5 59	2 49	20 35	0 38	3 50	1 48	31 26	10 7	6 58	7 21	28 36		n.a.
F 29	0 52	13 11	1 14	8 10	2 15	1 4	1 1	19 40	3 2	11 12	1 10	6 1	2 49	20 34	0 38	3 49	1 48	31 26	10 8	6 58	7 20	28 37		n.a.
S 30	1 15	18 22	2 20	7 24	2 11	1 36	0 59	19 38	2 59	11 7	1 10	6 2	2 49	20 34	0 39	3 48	1 48	31 26	10 8	6 59	7 19	28 37		n.a.
S 31	1n39	22s41	3s17	6s37	2s 6	2n 7	0s58	19n36	2n57	11s 3	1s10	6n 4	2n49	20s33	0s39	3s47	1s48	31s27	10s 8	6n59	7n18	28s37		n.a.

Julian Day Number = 1562963.5, Delta T = 04h22m55s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'50, Lahiri = - 9°56'49 Julian Calendar 1 March 434 BCE == Greg. Calendar 24 Feb. 434 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

APRIL 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 13 27	5♈ 3'26	8♐ 6	20♓ 8	8♈41	14°D12	4♓49	21°R14	2♒13	24♓44	24♑35	17♈36	18♈19	29♐44	n.a.	M 1
T 2	12 17 23	6° 1'26	20° 3	22° 1	9°55	14♌13	5° 2	21♍10	2°15	24°46	24°36	17°37	18°16	29°51	n.a.	T 2
W 3	12 21 20	6°59'24	1♑57	23°56	11° 8	14°14	5°16	21° 6	2°17	24°48	24°37	17°R37	18°13	29°58	n.a.	W 3
T 4	12 25 16	7°57'20	13°51	25°52	12°22	14°16	5°29	21° 1	2°19	24°51	24°38	17°37	18°10	0♑ 4	n.a.	T 4
F 5	12 29 13	8°55'16	25°50	27°50	13°36	14°19	5°42	20°57	2°21	24°53	24°38	17°37	18° 6	0°11	n.a.	F 5
S 6	12 33 10	9°53'09	7♒58	29°49	14°50	14°23	5°55	20°53	2°23	24°55	24°39	17°36	18° 3	0°18	n.a.	S 6
S 7	12 37 6	10°51'02	20°20	1♈51	16° 4	14°27	6° 8	20°49	2°25	24°57	24°40	17°35	18° 0	0°25	n.a.	S 7
M 8	12 41 3	11°48'52	2♓59	3°54	17°18	14°32	6°22	20°45	2°26	24°59	24°40	17°34	17°57	0°31	n.a.	M 8
T 9	12 44 59	12°46'42	15°56	5°58	18°31	14°38	6°35	20°41	2°28	25° 2	24°41	17°34	17°54	0°38	n.a.	T 9
W10	12 48 56	13°44'30	29°14	8° 4	19°45	14°45	6°47	20°37	2°30	25° 4	24°41	17°33	17°51	0°45	n.a.	W10
T 11	12 52 52	14°42'16	12♈50	10°11	20°59	14°52	7° 0	20°33	2°31	25° 6	24°42	17°D33	17°47	0°51	n.a.	T 11
F 12	12 56 49	15°40'01	26°43	12°20	22°13	15° 0	7°13	20°29	2°33	25° 8	24°42	17°33	17°44	0°58	n.a.	F 12
S 13	13 0 45	16°37'44	10♉50	14°29	23°27	15° 8	7°26	20°25	2°34	25°10	24°43	17°33	17°41	1° 5	n.a.	S 13
S 14	13 4 42	17°35'26	25° 7	16°39	24°40	15°17	7°39	20°21	2°36	25°12	24°43	17°R33	17°38	1°12	n.a.	S 14
M15	13 8 39	18°33'07	9♊30	18°50	25°54	15°27	7°51	20°17	2°37	25°14	24°44	17°33	17°35	1°18	n.a.	M15
T 16	13 12 35	19°30'45	23°53	21° 1	27° 8	15°37	8° 4	20°14	2°38	25°17	24°44	17°33	17°31	1°25	n.a.	T 16
W17	13 16 32	20°28'23	8♋14	23°12	28°22	15°48	8°16	20°10	2°40	25°19	24°44	17°33	17°28	1°32	n.a.	W17
T 18	13 20 28	21°25'58	22°28	25°23	29°35	16° 0	8°29	20° 7	2°41	25°21	24°45	17°D33	17°25	1°38	n.a.	T 18
F 19	13 24 25	22°23'32	6♌33	27°33	0♉49	16°12	8°41	20° 3	2°42	25°23	24°45	17°33	17°22	1°45	n.a.	F 19
S 20	13 28 21	23°21'04	20°27	29°43	2° 3	16°25	8°53	20° 0	2°43	25°25	24°45	17°34	17°19	1°52	n.a.	S 20
S 21	13 32 18	24°18'34	4♍10	1♉51	3°16	16°38	9° 5	19°56	2°44	25°27	24°46	17°34	17°16	1°59	n.a.	S 21
M22	13 36 14	25°16'03	17°41	3°58	4°30	16°52	9°18	19°53	2°46	25°29	24°46	17°35	17°12	2° 5	n.a.	M22
T 23	13 40 11	26°13'31	0♎58	6° 4	5°44	17° 7	9°30	19°50	2°47	25°31	24°46	17°35	17° 9	2°12	n.a.	T 23
W24	13 44 8	27°10'57	14° 1	8° 8	6°57	17°21	9°42	19°47	2°48	25°33	24°46	17°R36	17° 6	2°19	n.a.	W24
T 25	13 48 4	28° 8'22	26°51	10°10	8°11	17°37	9°53	19°43	2°49	25°35	24°47	17°36	17° 3	2°26	n.a.	T 25
F 26	13 52 1	29° 5'46	9♏28	12°10	9°24	17°53	10° 5	19°40	2°49	25°37	24°47	17°35	17° 0	2°32	n.a.	F 26
S 27	13 55 57	0♉ 3'09	21°51	14° 7	10°38	18° 9	10°17	19°38	2°50	25°39	24°47	17°34	16°57	2°39	n.a.	S 27
S 28	13 59 54	1° 0'30	4♐ 4	16° 2	11°51	18°26	10°29	19°35	2°51	25°41	24°47	17°32	16°53	2°46	n.a.	S 28
M29	14 3 50	1°57'52	16° 7	17°55	13° 5	18°44	10°40	19°32	2°52	25°43	24°47	17°30	16°50	2°52	n.a.	M29
T 30	14 7 47	2♉55'12	28♐ 4	19♉45	14♉19	19♌ 2	10♓51	19♍29	2♒52	25♓45	24♑47	17♈28	16♈47	2♑59	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n 2	25s58	4s 4	5s48	2s 1	2n38	0s56	19n33	2n54	10s58	1s11	6n 6	2n49	20s33	0s39	3s46	1s48	31s27	10s 9	7n 0	7n16	28s38		n.a.
T 2	2 25	28 2	4 41	4 58	1 55	3 9	0 54	19 30	2 51	10 53	1 11	6 8	2 49	20 32	0 39	3 45	1 48	31 27	10 9	7 0	7 15	28 38		n.a.
W 3	2 49	28 49	5 5	4 6	1 48	3 40	0 52	19 27	2 48	10 48	1 11	6 9	2 49	20 32	0 39	3 44	1 48	31 27	10 9	7 0	7 14	28 38		n.a.
T 4	3 12	28 15	5 16	3 13	1 42	4 11	0 50	19 24	2 46	10 43	1 11	6 11	2 49	20 32	0 39	3 44	1 48	31 27	10 9	7 0	7 13	28 39		n.a.
F 5	3 35	26 23	5 13	2 19	1 34	4 42	0 48	19 21	2 43	10 38	1 11	6 12	2 49	20 31	0 39	3 43	1 48	31 27	10 10	7 0	7 11	28 39		n.a.
S 6	3 58	23 17	4 57	1 23	1 26	5 12	0 46	19 17	2 40	10 34	1 11	6 14	2 49	20 31	0 39	3 42	1 48	31 28	10 10	7 0	7 10	28 39		n.a.
S 7	4 21	19 6	4 26	0 27	1 18	5 43	0 44	19 13	2 38	10 29	1 11	6 16	2 48	20 30	0 39	3 41	1 48	31 28	10 10	6 59	7 9	28 39		n.a.
M 8	4 44	13 59	3 42	0n30	1 9	6 13	0 42	19 9	2 35	10 24	1 12	6 17	2 48	20 30	0 39	3 40	1 48	31 28	10 11	6 59	7 8	28 40		n.a.
T 9	5 7	8 10	2 46	1 29	1 0	6 44	0 40	19 5	2 32	10 19	1 12	6 19	2 48	20 30	0 39	3 39	1 48	31 28	10 11	6 59	7 7	28 40		n.a.
W10	5 29	1 50	1 40	2 28	0 51	7 14	0 38	19 0	2 30	10 14	1 12	6 20	2 48	20 29	0 39	3 38	1 48	31 28	10 11	6 59	7 5	28 40		n.a.
T 11	5 52	4n44	0 26	3 27	0 41	7 44	0 36	18 56	2 27	10 10	1 12	6 22	2 48	20 29	0 39	3 38	1 48	31 28	10 12	6 59	7 4	28 40		n.a.
F 12	6 15	11 13	0n51	4 27	0 31	8 14	0 34	18 51	2 25	10 5	1 12	6 23	2 48	20 29	0 39	3 37	1 48	31 29	10 12	6 59	7 3	28 40		n.a.
S 13	6 37	17 15	2 5	5 28	0 21	8 44	0 32	18 46	2 22	10 0	1 12	6 25	2 48	20 28	0 39	3 36	1 48	31 29	10 12	6 59	7 2	28 41		n.a.
S 14	6 59	22 25	3 13	6 28	0 10	9 13	0 30	18 41	2 20	9 56	1 12	6 26	2 48	20 28	0 39	3 35	1 48	31 29	10 13	6 59	7 0	28 41		n.a.
M15	7 22	26 16	4 10	7 28	0n 0	9 43	0 27	18 35	2 17	9 51	1 13	6 27	2 48	20 28	0 39	3 34	1 48	31 29	10 13	6 59	6 59	28 41		n.a.
T 16	7 44	28 26	4 50	8 28	0 11	10 12	0 25	18 30	2 15	9 47	1 13	6 29	2 47	20 28	0 39	3 33	1 48	31 30	10 13	6 59	6 58	28 41		n.a.
W17	8 6	28 41	5 13	9 28	0 21	10 40	0 23	18 24	2 12	9 42	1 13	6 30	2 47	20 27	0 39	3 33	1 49	31 30	10 14	6 59	6 57	28 41		n.a.
T 18	8 28	27 2	5 16	10 26	0 32	11 9	0 20	18 18	2 10	9 37	1 13	6 31	2 47	20 27	0 39	3 32	1 49	31 30	10 14	6 59	6 55	28 42		n.a.
F 19	8 50	23 42	5 0	11 23	0 42	11 37	0 18	18 12	2 7	9 33	1 13	6 33	2 47	20 27	0 39	3 31	1 49	31 30	10 14	6 59	6 54	28 42		n.a.
S 20	9 11	19 3	4 26	12 20	0 52	12 5	0 16	18 6	2 5	9 28	1 13	6 34	2 47	20 27	0 39	3 30	1 49	31 31	10 14	6 59	6 53	28 42		n.a.
S 21	9 33	13 29	3 38	13 14	1 2	12 33	0 13	18 0	2 2	9 24	1 14	6 35	2 47	20 26	0 39	3 29	1 49	31 31	10 15	6 59	6 52	28 42		n.a.
M22	9 54	7 21	2 38	14 7	1 11	13 1	0 11	17 53	2 0	9 19	1 14	6 36	2 47	20 26	0 39	3 29	1 49	31 31	10 15	6 59	6 51	28 42		n.a.
T 23	10 15	1 0	1 31	14 58	1 20	13 28	0 9	17 47	1 58	9 15	1 14	6 37	2 46	20 26	0 39	3 28	1 49	31 31	10 15	6 59	6 49	28 42		n.a.
W24	10 36	5s18	0 20	15 47	1 28	13 55	0 6	17 40	1 55	9 11	1 14	6 38	2 46	20 26	0 39	3 27	1 49	31 32	10 16	7 0	6 48	28 42		n.a.
T 25	10 57	11 16	0s51	16 34	1 36	14 21	0 4	17 33	1 53	9 6	1 14	6 40	2 46	20 26	0 39	3 26	1 49	31 32	10 16	7 0	6 47	28 42		n.a.
F 26	11 18	16 41	1 58	17 19	1 43	14 47	0 1	17 26	1 51	9 2	1 14	6 41	2 46	20 25	0 39	3 26	1 49	31 32	10 16	6 59	6 46	28 42		n.a.
S 27	11 38	21 20	2 58	18 1	1 50	15 13	0n 1	17 18	1 49	8 58	1 15	6 42	2 46	20 25	0 40	3 25	1 49	31 32	10 17	6 59	6 44	28 43		n.a.
S 28	11 58	24 59	3 49	18 42	1 55	15 39	0 3	17 11	1 46	8 53	1 15	6 43	2 46	20 25	0 40	3 24	1 49	31 33	10 17	6 58	6 43	28 43		n.a.
M29	12 19	27 29	4 29	19 19	2 1	16 4	0 6	17 3	1 44	8 49	1 15	6 43	2 45	20 25	0 40	3 23	1 49	31 33	10 17	6 57	6 42	28 43		n.a.
T 30	12n39	28s42	4s57	19n54	2n 5	16n28	0n 8	16n56	1n42	8s45	1s15	6n44	2n45	20s25	0s40	3s23	1s49	31s33	10s18	6n56	6n41	28s43		n.a.

Julian Day Number = 1562994.5, Delta T = 04h22m53s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'46, Lahiri = - 9°56'45 Julian Calendar 1 Apr. 434 BCE == Greg. Calendar 27 March 434 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

MAY 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 11 43	3♉52'31	9♋57	21♉33	15♉32	19♌20	11♓ 3	19°R27	2♒53	25♓46	24♋47	17°R26	16♈44	3♋ 6	n.a.	W 1
T 2	14 15 40	4°49'50	21°50	23°18	16°46	19°39	11°14	19♍24	2°54	25°48	24°R47	17♈25	16°41	3°13	n.a.	T 2
F 3	14 19 37	5°47'08	3♒49	25° 0	17°59	19°58	11°25	19°22	2°54	25°50	24°47	17°D24	16°37	3°19	n.a.	F 3
S 4	14 23 33	6°44'26	15°56	26°39	19°13	20°18	11°36	19°19	2°55	25°52	24°47	17°24	16°34	3°26	n.a.	S 4
S 5	14 27 30	7°41'42	28°17	28°16	20°26	20°38	11°47	19°17	2°55	25°54	24°47	17°25	16°31	3°33	n.a.	S 5
M 6	14 31 26	8°38'59	10♓57	29°50	21°40	20°58	11°58	19°15	2°56	25°56	24°47	17°27	16°28	3°39	n.a.	M 6
T 7	14 35 23	9°36'14	23°57	1♊21	22°53	21°19	12° 9	19°13	2°56	25°57	24°47	17°28	16°25	3°46	n.a.	T 7
W 8	14 39 19	10°33'29	7♈22	2°49	24° 7	21°41	12°20	19°11	2°56	25°59	24°47	17°29	16°22	3°53	n.a.	W 8
T 9	14 43 16	11°30'44	21°11	4°15	25°20	22° 2	12°30	19° 9	2°57	26° 1	24°46	17°R29	16°18	4° 0	n.a.	T 9
F 10	14 47 12	12°27'58	5♉22	5°37	26°33	22°24	12°41	19° 7	2°57	26° 2	24°46	17°28	16°15	4° 6	n.a.	F 10
S 11	14 51 9	13°25'11	19°53	6°57	27°47	22°47	12°51	19° 5	2°57	26° 4	24°46	17°26	16°12	4°13	n.a.	S 11
S 12	14 55 6	14°22'24	4♊36	8°13	29° 0	23°10	13° 1	19° 4	2°57	26° 6	24°46	17°23	16° 9	4°20	n.a.	S 12
M13	14 59 2	15°19'36	19°25	9°27	0♊14	23°33	13°12	19° 2	2°57	26° 7	24°45	17°20	16° 6	4°26	n.a.	M13
T 14	15 2 59	16°16'47	4♋12	10°37	1°27	23°57	13°22	19° 0	2°R57	26° 9	24°45	17°16	16° 2	4°33	n.a.	T 14
W15	15 6 55	17°13'58	18°50	11°44	2°41	24°21	13°32	18°59	2°57	26°11	24°45	17°13	15°59	4°40	n.a.	W15
T 16	15 10 52	18°11'08	3♌13	12°48	3°54	24°45	13°41	18°58	2°57	26°12	24°44	17°10	15°56	4°47	n.a.	T 16
F 17	15 14 48	19° 8'17	17°19	13°49	5° 7	25°10	13°51	18°57	2°57	26°14	24°44	17°D10	15°53	4°53	n.a.	F 17
S 18	15 18 45	20° 5'25	1♍ 6	14°47	6°21	25°35	14° 1	18°56	2°57	26°15	24°44	17°10	15°50	5° 0	n.a.	S 18
S 19	15 22 42	21° 2'32	14°34	15°40	7°34	26° 0	14°10	18°55	2°57	26°17	24°43	17°11	15°47	5° 7	n.a.	S 19
M20	15 26 38	21°59'39	27°46	16°31	8°47	26°26	14°19	18°54	2°56	26°18	24°43	17°13	15°43	5°14	n.a.	M20
T 21	15 30 35	22°56'45	10♎42	17°17	10° 1	26°52	14°29	18°53	2°56	26°20	24°42	17°R14	15°40	5°20	n.a.	T 21
W22	15 34 31	23°53'51	23°24	18° 0	11°14	27°18	14°38	18°52	2°56	26°21	24°42	17°14	15°37	5°27	n.a.	W22
T 23	15 38 28	24°50'56	5♏55	18°39	12°27	27°45	14°47	18°51	2°55	26°22	24°41	17°12	15°34	5°34	n.a.	T 23
F 24	15 42 24	25°48'01	18°16	19°14	13°41	28°12	14°56	18°51	2°55	26°24	24°41	17° 9	15°31	5°40	n.a.	F 24
S 25	15 46 21	26°45'06	0♐28	19°45	14°54	28°39	15° 4	18°51	2°54	26°25	24°40	17° 4	15°28	5°47	n.a.	S 25
S 26	15 50 17	27°42'11	12°33	20°12	16° 7	29° 6	15°13	18°50	2°54	26°26	24°40	16°57	15°24	5°54	n.a.	S 26
M27	15 54 14	28°39'16	24°31	20°34	17°20	29°34	15°21	18°50	2°53	26°28	24°39	16°50	15°21	6° 1	n.a.	M27
T 28	15 58 11	29°36'20	6♑26	20°52	18°34	0♍ 2	15°30	18°50	2°52	26°29	24°38	16°42	15°18	6° 7	n.a.	T 28
W29	16 2 7	0♊33'25	18°18	21° 6	19°47	0°30	15°38	18°D50	2°52	26°30	24°38	16°35	15°15	6°14	n.a.	W29
T 30	16 6 4	1°30'30	0♒11	21°14	21° 0	0°59	15°46	18°50	2°51	26°31	24°37	16°29	15°12	6°21	n.a.	T 30
F 31	16 10 0	2♊27'35	12♒ 8	21°R18	22♊13	1♍27	15♓54	18♍50	2♒50	26♓32	24♋36	16♈25	15♈ 8	6♋27	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	12n58	28s34	5s12	20n27	2n 9	16n53	0n11	16n48	1n40	8s41	1s15	6n45	2n45	20s25	0s40	3s22	1s49	31s34	10s18	6n56	6n39	28s43			n.a.
T 2	13 18	27 7	5 14	20 58	2 12	17 16	0 13	16 40	1 38	8 36	1 16	6 46	2 45	20 25	0 40	3 21	1 49	31 34	10 18	6 55	6 38	28 43			n.a.
F 3	13 37	24 26	5 2	21 26	2 14	17 40	0 16	16 32	1 36	8 32	1 16	6 47	2 45	20 24	0 40	3 20	1 49	31 34	10 19	6 55	6 37	28 43			n.a.
S 4	13 56	20 40	4 37	21 51	2 15	18 3	0 18	16 23	1 34	8 28	1 16	6 48	2 44	20 24	0 40	3 20	1 49	31 35	10 19	6 55	6 36	28 43			n.a.
S 5	14 15	15 56	3 59	22 15	2 16	18 25	0 20	16 15	1 32	8 24	1 16	6 48	2 44	20 24	0 40	3 19	1 49	31 35	10 19	6 56	6 35	28 43			n.a.
M 6	14 34	10 27	3 8	22 36	2 16	18 47	0 23	16 6	1 30	8 20	1 16	6 49	2 44	20 24	0 40	3 18	1 49	31 35	10 20	6 56	6 33	28 43			n.a.
T 7	14 53	4 21	2 6	22 54	2 15	19 8	0 25	15 57	1 28	8 16	1 17	6 50	2 44	20 24	0 40	3 18	1 49	31 36	10 20	6 57	6 32	28 43			n.a.
W 8	15 11	2n 7	0 55	23 11	2 14	19 29	0 28	15 49	1 26	8 12	1 17	6 50	2 44	20 24	0 40	3 17	1 49	31 36	10 20	6 57	6 31	28 43			n.a.
T 9	15 29	8 41	0n20	23 25	2 12	19 50	0 30	15 40	1 24	8 8	1 17	6 51	2 43	20 24	0 40	3 16	1 49	31 36	10 20	6 57	6 30	28 43			n.a.
F 10	15 47	15 0	1 37	23 38	2 9	20 10	0 32	15 30	1 22	8 4	1 17	6 51	2 43	20 24	0 40	3 16	1 49	31 37	10 21	6 57	6 28	28 43			n.a.
S 11	16 4	20 38	2 48	23 48	2 5	20 29	0 35	15 21	1 20	8 1	1 17	6 52	2 43	20 24	0 40	3 15	1 49	31 37	10 21	6 56	6 27	28 43			n.a.
S 12	16 22	25 6	3 50	23 57	2 0	20 48	0 37	15 12	1 18	7 57	1 18	6 52	2 43	20 24	0 40	3 15	1 49	31 37	10 21	6 55	6 26	28 43			n.a.
M13	16 39	27 55	4 36	24 3	1 55	21 6	0 39	15 2	1 16	7 53	1 18	6 53	2 42	20 24	0 40	3 14	1 50	31 38	10 22	6 53	6 25	28 43			n.a.
T 14	16 55	28 45	5 4	24 8	1 49	21 24	0 42	14 52	1 14	7 49	1 18	6 53	2 42	20 24	0 40	3 13	1 50	31 38	10 22	6 52	6 23	28 43			n.a.
W15	17 12	27 34	5 12	24 11	1 43	21 41	0 44	14 43	1 12	7 46	1 18	6 53	2 42	20 24	0 40	3 13	1 50	31 38	10 22	6 51	6 22	28 43			n.a.
T 16	17 28	24 33	5 0	24 12	1 35	21 58	0 46	14 33	1 10	7 42	1 19	6 54	2 42	20 24	0 40	3 12	1 50	31 39	10 23	6 50	6 21	28 42			n.a.
F 17	17 44	20 8	4 30	24 12	1 27	22 13	0 48	14 22	1 8	7 39	1 19	6 54	2 42	20 24	0 40	3 12	1 50	31 39	10 23	6 49	6 20	28 42			n.a.
S 18	18 0	14 44	3 45	24 10	1 18	22 29	0 51	14 12	1 7	7 35	1 19	6 54	2 41	20 24	0 40	3 11	1 50	31 40	10 23	6 50	6 18	28 42			n.a.
S 19	18 15	8 44	2 49	24 7	1 9	22 43	0 53	14 2	1 5	7 32	1 19	6 54	2 41	20 25	0 40	3 10	1 50	31 40	10 24	6 50	6 17	28 42			n.a.
M20	18 30	2 30	1 44	24 2	0 59	22 57	0 55	13 51	1 3	7 28	1 20	6 55	2 41	20 25	0 40	3 10	1 50	31 40	10 24	6 51	6 16	28 42			n.a.
T 21	18 45	3s44	0 36	23 56	0 48	23 11	0 57	13 41	1 1	7 25	1 20	6 55	2 41	20 25	0 40	3 9	1 50	31 41	10 24	6 51	6 15	28 42			n.a.
W22	18 59	9 43	0s34	23 49	0 37	23 23	0 59	13 30	1 0	7 21	1 20	6 55	2 40	20 25	0 40	3 9	1 50	31 41	10 24	6 51	6 13	28 42			n.a.
T 23	19 14	15 14	1 40	23 40	0 25	23 35	1 1	13 19	0 58	7 18	1 20	6 55	2 40	20 25	0 40	3 8	1 50	31 41	10 25	6 51	6 12	28 42			n.a.
F 24	19 27	20 3	2 40	23 30	0 12	23 47	1 3	13 8	0 56	7 15	1 21	6 55	2 40	20 25	0 41	3 8	1 50	31 42	10 25	6 49	6 11	28 42			n.a.
S 25	19 41	23 59	3 33	23 20	0s 1	23 57	1 5	12 57	0 55	7 12	1 21	6 55	2 40	20 25	0 41	3 7	1 50	31 42	10 25	6 47	6 10	28 41			n.a.
S 26	19 54	26 48	4 15	23 8	0 15	24 7	1 7	12 46	0 53	7 8	1 21	6 55	2 39	20 25	0 41	3 7	1 50	31 43	10 26	6 45	6 9	28 41			n.a.
M27	20 7	28 23	4 45	22 56	0 29	24 17	1 9	12 34	0 51	7 5	1 21	6 54	2 39	20 26	0 41	3 6	1 50	31 43	10 26	6 42	6 7	28 41			n.a.
T 28	20 20	28 38	5 3	22 42	0 44	24 25	1 11	12 23	0 50	7 2	1 22	6 54	2 39	20 26	0 41	3 6	1 50	31 43	10 26	6 39	6 6	28 41			n.a.
W29	20 32	27 34	5 8	22 28	0 59	24 33	1 12	12 11	0 48	6 59	1 22	6 54	2 39	20 26	0 41	3 6	1 50	31 44	10 26	6 36	6 5	28 41			n.a.
T 30	20 44	25 15	4 59	22 14	1 14	24 40	1 14	11 59	0 46	6 56	1 22	6 54	2 38	20 26	0 41	3 5	1 50	31 44	10 27	6 34	6 4	28 40			n.a.
F 31	20n55	21s49	4s38	21n58	1s30	24n47	1n16	11n48	0n45	6s54	1s22	6n54	2n38	20s26	0s41	3s 5	1s51	31s45	10s27	6n32	6n 2	28s40			n.a.

Julian Day Number = 1563024.5, Delta T = 04h22m52s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'41, Lahiri = - 9°56'41 Julian Calendar 1 May 434 BCE == Greg. Calendar 26 Apr. 434 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

JUNE 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 13 57	3♊24'41	24♒14	21°R18	23♊26	1♍57	16♓ 2	18♍50	2°R49	26♓34	24°R36	16°R23	15♈ 5	6♑34	n.a.	S 1
S 2	16 17 53	4°21'46	6♓32	21♊13	24°40	2°26	16° 9	18°51	2♒49	26°35	24♑35	16°D22	15° 2	6°41	n.a.	S 2
M 3	16 21 50	5°18'53	19° 8	21° 3	25°53	2°55	16°17	18°51	2°48	26°36	24°34	16♈23	14°59	6°48	n.a.	M 3
T 4	16 25 46	6°15'59	2♈ 6	20°49	27° 6	3°25	16°24	18°52	2°47	26°37	24°34	16°24	14°56	6°54	n.a.	T 4
W 5	16 29 43	7°13'06	15°29	20°31	28°19	3°55	16°31	18°52	2°46	26°38	24°33	16°R25	14°53	7° 1	n.a.	W 5
T 6	16 33 40	8°10'13	29°20	20° 8	29°32	4°26	16°39	18°53	2°45	26°39	24°32	16°24	14°49	7° 8	n.a.	T 6
F 7	16 37 36	9° 7'21	13♉39	19°42	0♋45	4°56	16°45	18°54	2°44	26°40	24°31	16°22	14°46	7°15	n.a.	F 7
S 8	16 41 33	10° 4'29	28°22	19°12	1°58	5°27	16°52	18°55	2°42	26°41	24°30	16°17	14°43	7°21	n.a.	S 8
S 9	16 45 29	11° 1'38	13♊23	18°40	3°12	5°58	16°59	18°56	2°41	26°42	24°29	16°10	14°40	7°28	n.a.	S 9
M10	16 49 26	11°58'47	28°32	18° 4	4°25	6°29	17° 5	18°57	2°40	26°43	24°29	16° 2	14°37	7°35	n.a.	M10
T 11	16 53 22	12°55'57	13♋41	17°27	5°38	7° 1	17°12	18°58	2°39	26°43	24°28	15°54	14°34	7°41	n.a.	T 11
W12	16 57 19	13°53'07	28°38	16°48	6°51	7°32	17°18	19° 0	2°38	26°44	24°27	15°46	14°30	7°48	n.a.	W12
T 13	17 1 16	14°50'16	13♌16	16° 9	8° 4	8° 4	17°24	19° 1	2°36	26°45	24°26	15°41	14°27	7°55	n.a.	T 13
F 14	17 5 12	15°47'26	27°30	15°29	9°17	8°36	17°30	19° 3	2°35	26°46	24°25	15°37	14°24	8° 2	n.a.	F 14
S 15	17 9 9	16°44'37	11♍19	14°50	10°30	9° 9	17°35	19° 4	2°33	26°46	24°24	15°D36	14°21	8° 8	n.a.	S 15
S 16	17 13 5	17°41'47	24°43	14°13	11°43	9°41	17°41	19° 6	2°32	26°47	24°23	15°36	14°18	8°15	n.a.	S 16
M17	17 17 2	18°38'58	7♎45	13°37	12°56	10°14	17°46	19° 8	2°30	26°48	24°22	15°36	14°14	8°22	n.a.	M17
T 18	17 20 58	19°36'08	20°29	13° 4	14° 9	10°47	17°51	19°10	2°29	26°48	24°21	15°R36	14°11	8°29	n.a.	T 18
W19	17 24 55	20°33'20	2♏58	12°34	15°22	11°20	17°56	19°12	2°27	26°49	24°20	15°35	14° 8	8°35	n.a.	W19
T 20	17 28 51	21°30'32	15°15	12° 8	16°35	11°53	18° 1	19°14	2°26	26°50	24°19	15°31	14° 5	8°42	n.a.	T 20
F 21	17 32 48	22°27'44	27°23	11°47	17°48	12°27	18° 6	19°16	2°24	26°50	24°18	15°25	14° 2	8°49	n.a.	F 21
S 22	17 36 45	23°24'58	9♐26	11°30	19° 0	13° 0	18°10	19°18	2°22	26°51	24°17	15°16	13°59	8°55	n.a.	S 22
S 23	17 40 41	24°22'11	21°23	11°18	20°13	13°34	18°14	19°20	2°21	26°51	24°16	15° 5	13°55	9° 2	n.a.	S 23
M24	17 44 38	25°19'26	3♑17	11°11	21°26	14° 8	18°18	19°23	2°19	26°51	24°14	14°53	13°52	9° 9	n.a.	M24
T 25	17 48 34	26°16'42	15°10	11°D11	22°39	14°42	18°22	19°25	2°17	26°52	24°13	14°40	13°49	9°16	n.a.	T 25
W26	17 52 31	27°13'58	27° 2	11°16	23°52	15°17	18°26	19°28	2°15	26°52	24°12	14°28	13°46	9°22	n.a.	W26
T 27	17 56 27	28°11'16	8♒57	11°27	25° 5	15°51	18°30	19°31	2°14	26°53	24°11	14°18	13°43	9°29	n.a.	T 27
F 28	18 0 24	29° 8'34	20°55	11°45	26°17	16°26	18°33	19°34	2°12	26°53	24°10	14°10	13°40	9°36	n.a.	F 28
S 29	18 4 20	0♋ 5'54	3♓ 2	12° 8	27°30	17° 1	18°36	19°36	2°10	26°53	24° 9	14° 4	13°36	9°43	n.a.	S 29
S 30	18 8 17	1♋ 3'15	15♓19	12♊38	28♋43	17♍36	18♓39	19♍39	2♒ 8	26♓53	24♑ 8	14♈ 2	13♈33	9♑49	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 7	17s26	4s 4	21n43	1s45	24n52	1n17	11n36	0n43	6s51	1s23	6n53	2n38	20s27	0s41	3s 4	1s51	31s45	10s27	6n31	6n 1	28s40		n.a.
S 2	21 17	12 17	3 18	21 27	2 1	24 57	1 19	11 23	0 42	6 48	1 23	6 53	2 38	20 27	0 41	3 4	1 51	31 45	10 28	6 31	6 0	28 40		n.a.
M 3	21 28	6 31	2 21	21 10	2 17	25 2	1 20	11 11	0 40	6 45	1 23	6 52	2 37	20 27	0 41	3 4	1 51	31 46	10 28	6 31	5 59	28 40		n.a.
T 4	21 38	0 19	1 16	20 54	2 32	25 5	1 22	10 59	0 39	6 43	1 23	6 52	2 37	20 27	0 41	3 3	1 51	31 46	10 28	6 32	5 57	28 39		n.a.
W 5	21 48	6n 6	0 5	20 37	2 48	25 8	1 23	10 46	0 37	6 40	1 24	6 52	2 37	20 28	0 41	3 3	1 51	31 47	10 28	6 32	5 56	28 39		n.a.
T 6	21 57	12 27	1n 9	20 21	3 2	25 10	1 25	10 34	0 36	6 38	1 24	6 51	2 37	20 28	0 41	3 2	1 51	31 47	10 29	6 32	5 55	28 39		n.a.
F 7	22 6	18 22	2 21	20 5	3 17	25 11	1 26	10 21	0 34	6 35	1 24	6 50	2 36	20 28	0 41	3 2	1 51	31 47	10 29	6 31	5 54	28 39		n.a.
S 8	22 15	23 23	3 25	19 49	3 30	25 11	1 27	10 8	0 33	6 33	1 25	6 50	2 36	20 28	0 41	3 2	1 51	31 48	10 29	6 29	5 52	28 38		n.a.
S 9	22 23	26 57	4 17	19 34	3 43	25 11	1 28	9 56	0 31	6 30	1 25	6 49	2 36	20 29	0 41	3 2	1 51	31 48	10 29	6 26	5 51	28 38		n.a.
M10	22 31	28 35	4 51	19 19	3 54	25 10	1 30	9 43	0 30	6 28	1 25	6 49	2 36	20 29	0 41	3 1	1 51	31 49	10 30	6 23	5 50	28 38		n.a.
T 11	22 39	28 5	5 5	19 5	4 5	25 8	1 31	9 29	0 28	6 26	1 25	6 48	2 35	20 29	0 41	3 1	1 51	31 49	10 30	6 20	5 49	28 37		n.a.
W12	22 46	25 33	4 57	18 53	4 14	25 6	1 32	9 16	0 27	6 24	1 26	6 47	2 35	20 30	0 41	3 1	1 51	31 49	10 30	6 17	5 47	28 37		n.a.
T 13	22 53	21 22	4 30	18 41	4 22	25 2	1 33	9 3	0 26	6 22	1 26	6 46	2 35	20 30	0 41	3 0	1 51	31 50	10 30	6 15	5 46	28 37		n.a.
F 14	22 59	16 3	3 48	18 31	4 28	24 58	1 33	8 49	0 24	6 20	1 26	6 45	2 35	20 30	0 41	3 0	1 51	31 50	10 30	6 14	5 45	28 36		n.a.
S 15	23 5	10 4	2 52	18 22	4 33	24 54	1 34	8 36	0 23	6 18	1 27	6 45	2 34	20 31	0 41	3 0	1 51	31 51	10 31	6 13	5 44	28 36		n.a.
S 16	23 10	3 47	1 49	18 14	4 36	24 48	1 35	8 22	0 22	6 16	1 27	6 44	2 34	20 31	0 41	3 0	1 52	31 51	10 31	6 13	5 42	28 36		n.a.
M17	23 15	2s29	0 42	18 9	4 37	24 42	1 36	8 8	0 20	6 14	1 27	6 43	2 34	20 32	0 41	3 0	1 52	31 51	10 31	6 13	5 41	28 35		n.a.
T 18	23 20	8 30	0s26	18 5	4 37	24 35	1 36	7 55	0 19	6 12	1 27	6 42	2 34	20 32	0 41	2 59	1 52	31 52	10 31	6 13	5 40	28 35		n.a.
W19	23 25	14 5	1 31	18 3	4 35	24 27	1 37	7 41	0 18	6 10	1 28	6 41	2 33	20 32	0 41	2 59	1 52	31 52	10 32	6 13	5 39	28 35		n.a.
T 20	23 28	19 1	2 31	18 3	4 32	24 19	1 37	7 27	0 16	6 9	1 28	6 40	2 33	20 33	0 41	2 59	1 52	31 53	10 32	6 11	5 37	28 34		n.a.
F 21	23 32	23 7	3 23	18 5	4 27	24 10	1 38	7 12	0 15	6 7	1 28	6 39	2 33	20 33	0 41	2 59	1 52	31 53	10 32	6 9	5 36	28 34		n.a.
S 22	23 35	26 11	4 5	18 9	4 21	24 0	1 38	6 58	0 14	6 6	1 29	6 37	2 33	20 34	0 41	2 59	1 52	31 54	10 32	6 5	5 35	28 33		n.a.
S 23	23 38	28 3	4 36	18 15	4 13	23 49	1 38	6 44	0 12	6 4	1 29	6 36	2 33	20 34	0 42	2 59	1 52	31 54	10 32	6 1	5 34	28 33		n.a.
M24	23 40	28 37	4 55	18 23	4 4	23 38	1 38	6 29	0 11	6 3	1 29	6 35	2 32	20 34	0 42	2 59	1 52	31 54	10 33	5 56	5 32	28 33		n.a.
T 25	23 42	27 51	5 1	18 33	3 54	23 26	1 38	6 15	0 10	6 2	1 30	6 34	2 32	20 35	0 42	2 58	1 52	31 55	10 33	5 51	5 31	28 32		n.a.
W26	23 43	25 49	4 54	18 44	3 43	23 14	1 38	6 0	0 9	6 0	1 30	6 33	2 32	20 35	0 42	2 58	1 52	31 55	10 33	5 46	5 30	28 32		n.a.
T 27	23 44	22 39	4 34	18 57	3 32	23 0	1 38	5 46	0 7	5 59	1 30	6 31	2 32	20 36	0 42	2 58	1 52	31 55	10 33	5 42	5 29	28 31		n.a.
F 28	23 45	18 31	4 2	19 12	3 19	22 46	1 38	5 31	0 6	5 58	1 31	6 30	2 31	20 36	0 42	2 58	1 52	31 56	10 33	5 39	5 27	28 31		n.a.
S 29	23 45	13 36	3 19	19 28	3 6	22 32	1 38	5 16	0 5	5 57	1 31	6 29	2 31	20 37	0 42	2 58	1 52	31 56	10 33	5 37	5 26	28 31		n.a.
S 30	23n45	8s 5	2s26	19n46	2s52	22n17	1n38	5n 1	0n 4	5s56	1s31	6n27	2n31	20s37	0s42	2s58	1s52	31s57	10s34	5n36	5n25	28s30		n.a.

Julian Day Number = 1563055.5, Delta T = 04h22m51s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'37, Lahiri = - 9°56'37 Julian Calendar 1 June 434 BCE == Greg. Calendar 27 May 434 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

JULY 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 12 14	2♋ 0'37	27♓52	13♊15	29♋55	18♍11	18♓42	19♍42	2°R 6	26♓54	24°R 6	14°D 1	13♈30	9♑56	n.a.	M 1
T 2	18 16 10	2°58'00	10♈45	13°57	1♌ 8	18°47	18°45	19°46	2♒ 4	26°54	24♑ 5	14°R 1	13°27	10° 3	n.a.	T 2
W 3	18 20 7	3°55'25	24° 3	14°45	2°21	19°22	18°47	19°49	2° 2	26°54	24° 4	14♈ 0	13°24	10° 9	n.a.	W 3
T 4	18 24 3	4°52'52	7♉48	15°40	3°33	19°58	18°49	19°52	2° 0	26°54	24° 3	13°59	13°20	10°16	n.a.	T 4
F 5	18 28 0	5°50'19	22° 3	16°40	4°46	20°34	18°52	19°56	1°58	26°54	24° 1	13°55	13°17	10°23	n.a.	F 5
S 6	18 31 56	6°47'49	6♊44	17°46	5°59	21°10	18°53	19°59	1°56	26°54	24° 0	13°49	13°14	10°30	n.a.	S 6
S 7	18 35 53	7°45'19	21°48	18°58	7°11	21°46	18°55	20° 3	1°54	26°R54	23°59	13°40	13°11	10°36	n.a.	S 7
M 8	18 39 50	8°42'51	7♋ 4	20°16	8°24	22°22	18°57	20° 6	1°52	26°54	23°58	13°29	13° 8	10°43	n.a.	M 8
T 9	18 43 46	9°40'25	22°24	21°38	9°36	22°59	18°58	20°10	1°49	26°54	23°57	13°18	13° 5	10°50	n.a.	T 9
W10	18 47 43	10°37'59	7♌33	23° 6	10°49	23°36	18°59	20°14	1°47	26°54	23°55	13° 8	13° 1	10°56	n.a.	W10
T 11	18 51 39	11°35'35	22°24	24°38	12° 1	24°12	19° 0	20°18	1°45	26°54	23°54	13° 1	12°58	11° 3	n.a.	T 11
F 12	18 55 36	12°33'11	6♍49	26°14	13°14	24°49	19° 1	20°22	1°43	26°54	23°53	12°55	12°55	11°10	n.a.	F 12
S 13	18 59 32	13°30'49	20°45	27°55	14°26	25°27	19° 1	20°26	1°41	26°53	23°51	12°52	12°52	11°17	n.a.	S 13
S 14	19 3 29	14°28'28	4♎13	29°39	15°39	26° 4	19° 1	20°30	1°38	26°53	23°50	12°51	12°49	11°23	n.a.	S 14
M15	19 7 25	15°26'08	17°15	1♋27	16°51	26°41	19°R 2	20°34	1°36	26°53	23°49	12°51	12°46	11°30	n.a.	M15
T 16	19 11 22	16°23'49	29°56	3°17	18° 3	27°19	19° 1	20°38	1°34	26°53	23°48	12°51	12°42	11°37	n.a.	T 16
W17	19 15 19	17°21'31	12♏19	5°10	19°16	27°56	19° 1	20°43	1°32	26°52	23°46	12°49	12°39	11°44	n.a.	W17
T 18	19 19 15	18°19'15	24°29	7° 5	20°28	28°34	19° 1	20°47	1°29	26°52	23°45	12°45	12°36	11°50	n.a.	T 18
F 19	19 23 12	19°16'59	6♐30	9° 2	21°40	29°12	19° 0	20°51	1°27	26°52	23°44	12°38	12°33	11°57	n.a.	F 19
S 20	19 27 8	20°14'46	18°26	11° 0	22°52	29°50	18°59	20°56	1°25	26°51	23°42	12°28	12°30	12° 4	n.a.	S 20
S 21	19 31 5	21°12'34	0♑20	13° 0	24° 4	0♎29	18°58	21° 1	1°22	26°51	23°41	12°16	12°26	12°10	n.a.	S 21
M22	19 35 1	22°10'23	12°12	14°59	25°16	1° 7	18°57	21° 5	1°20	26°50	23°40	12° 3	12°23	12°17	n.a.	M22
T 23	19 38 58	23° 8'14	24° 6	16°59	26°29	1°45	18°55	21°10	1°18	26°50	23°38	11°49	12°20	12°24	n.a.	T 23
W24	19 42 54	24° 6'06	6♒ 1	18°59	27°41	2°24	18°54	21°15	1°15	26°49	23°37	11°36	12°17	12°31	n.a.	W24
T 25	19 46 51	25° 4'00	18° 1	20°59	28°53	3° 3	18°52	21°20	1°13	26°49	23°36	11°25	12°14	12°37	n.a.	T 25
F 26	19 50 48	26° 1'56	0♓ 5	22°59	0♍ 5	3°42	18°50	21°25	1°10	26°48	23°34	11°16	12°11	12°44	n.a.	F 26
S 27	19 54 44	26°59'54	12°18	24°58	1°17	4°21	18°47	21°30	1° 8	26°47	23°33	11°10	12° 7	12°51	n.a.	S 27
S 28	19 58 41	27°57'54	24°40	26°56	2°28	5° 0	18°45	21°35	1° 6	26°47	23°32	11° 7	12° 4	12°58	n.a.	S 28
M29	20 2 37	28°55'55	7♈16	28°53	3°40	5°39	18°42	21°40	1° 3	26°46	23°31	11°D 6	12° 1	13° 4	n.a.	M29
T 30	20 6 34	29°53'59	20° 8	0♌50	4°52	6°18	18°39	21°45	1° 1	26°45	23°29	11° 6	11°58	13°11	n.a.	T 30
W31	20 10 30	0♌52'05	3♉22	2♌45	6♍ 4	6♎58	18♓36	21♍51	0♒59	26♓44	23♑28	11°R 6	11♈55	13♑18	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n44	2s 9	1s24	20n 4	2s38	22n 1	1n37	4n46	0n 3	5s56	1s31	6n26	2n31	20s38	0s42	2s58	1s53	31s57	10s34	5n36	5n24	28s30		n.a.
T 2	23 43	4n 3	0 17	20 24	2 23	21 44	1 37	4 31	0 1	5 55	1 32	6 24	2 30	20 38	0 42	2 58	1 53	31 57	10 34	5 36	5 22	28 29		n.a.
W 3	23 41	10 16	0n53	20 44	2 9	21 27	1 36	4 16	0 0	5 54	1 32	6 23	2 30	20 38	0 42	2 58	1 53	31 58	10 34	5 36	5 21	28 29		n.a.
T 4	23 40	16 13	2 2	21 5	1 54	21 10	1 36	4 1	0s 1	5 53	1 32	6 21	2 30	20 39	0 42	2 58	1 53	31 58	10 34	5 35	5 20	28 28		n.a.
F 5	23 37	21 31	3 6	21 26	1 39	20 51	1 35	3 45	0 2	5 53	1 33	6 20	2 30	20 39	0 42	2 58	1 53	31 59	10 34	5 34	5 19	28 28		n.a.
S 6	23 34	25 39	4 0	21 47	1 24	20 33	1 34	3 30	0 3	5 52	1 33	6 18	2 30	20 40	0 42	2 58	1 53	31 59	10 35	5 31	5 17	28 27		n.a.
S 7	23 31	28 8	4 39	22 9	1 9	20 13	1 33	3 14	0 4	5 52	1 33	6 17	2 29	20 40	0 42	2 58	1 53	31 59	10 35	5 28	5 16	28 27		n.a.
M 8	23 28	28 31	4 58	22 29	0 54	19 53	1 33	2 59	0 5	5 52	1 34	6 15	2 29	20 41	0 42	2 58	1 53	32 0	10 35	5 23	5 15	28 26		n.a.
T 9	23 24	26 44	4 56	22 49	0 40	19 33	1 32	2 43	0 7	5 52	1 34	6 13	2 29	20 41	0 42	2 58	1 53	32 0	10 35	5 19	5 14	28 26		n.a.
W10	23 19	23 1	4 34	23 8	0 26	19 12	1 30	2 28	0 8	5 51	1 34	6 11	2 29	20 42	0 42	2 59	1 53	32 0	10 35	5 15	5 12	28 25		n.a.
T 11	23 14	17 53	3 53	23 26	0 12	18 50	1 29	2 12	0 9	5 51	1 35	6 10	2 28	20 42	0 42	2 59	1 53	32 1	10 35	5 12	5 11	28 24		n.a.
F 12	23 9	11 52	2 58	23 43	0n 1	18 28	1 28	1 56	0 10	5 51	1 35	6 8	2 28	20 43	0 42	2 59	1 53	32 1	10 35	5 10	5 10	28 24		n.a.
S 13	23 3	5 27	1 54	23 57	0 13	18 6	1 27	1 40	0 11	5 51	1 35	6 6	2 28	20 44	0 42	2 59	1 53	32 1	10 35	5 9	5 9	28 23		n.a.
S 14	22 57	1s 0	0 45	24 10	0 25	17 43	1 25	1 24	0 12	5 52	1 36	6 4	2 28	20 44	0 42	2 59	1 53	32 2	10 35	5 8	5 7	28 23		n.a.
M15	22 51	7 13	0s23	24 21	0 36	17 19	1 24	1 8	0 13	5 52	1 36	6 2	2 28	20 45	0 42	2 59	1 54	32 2	10 36	5 8	5 6	28 22		n.a.
T 16	22 44	12 59	1 29	24 29	0 46	16 55	1 22	0 52	0 14	5 52	1 36	6 1	2 27	20 45	0 42	2 59	1 54	32 2	10 36	5 8	5 5	28 22		n.a.
W17	22 36	18 5	2 29	24 35	0 56	16 31	1 21	0 36	0 15	5 53	1 37	5 59	2 27	20 46	0 42	3 0	1 54	32 3	10 36	5 8	5 4	28 21		n.a.
T 18	22 29	22 23	3 21	24 38	1 5	16 6	1 19	0 20	0 16	5 53	1 37	5 57	2 27	20 46	0 42	3 0	1 54	32 3	10 36	5 6	5 2	28 20		n.a.
F 19	22 21	25 40	4 3	24 39	1 13	15 41	1 17	0 4	0 17	5 54	1 37	5 55	2 27	20 47	0 42	3 0	1 54	32 3	10 36	5 3	5 1	28 20		n.a.
S 20	22 12	27 48	4 34	24 37	1 20	15 15	1 15	0s13	0 18	5 54	1 37	5 53	2 27	20 47	0 42	3 0	1 54	32 4	10 36	4 59	5 0	28 19		n.a.
S 21	22 3	28 38	4 53	24 32	1 26	14 49	1 14	0 29	0 19	5 55	1 38	5 51	2 26	20 48	0 42	3 0	1 54	32 4	10 36	4 55	4 59	28 18		n.a.
M22	21 54	28 9	5 0	24 24	1 31	14 23	1 12	0 45	0 20	5 56	1 38	5 49	2 26	20 48	0 42	3 1	1 54	32 4	10 36	4 49	4 57	28 18		n.a.
T 23	21 44	26 23	4 53	24 14	1 36	13 56	1 10	1 2	0 21	5 57	1 38	5 47	2 26	20 49	0 42	3 1	1 54	32 5	10 36	4 44	4 56	28 17		n.a.
W24	21 34	23 25	4 33	24 2	1 40	13 29	1 7	1 18	0 22	5 58	1 39	5 44	2 26	20 49	0 42	3 1	1 54	32 5	10 36	4 39	4 55	28 16		n.a.
T 25	21 24	19 27	4 2	23 47	1 43	13 2	1 5	1 35	0 23	5 59	1 39	5 42	2 26	20 50	0 42	3 2	1 54	32 5	10 36	4 34	4 54	28 16		n.a.
F 26	21 13	14 41	3 19	23 29	1 45	12 34	1 3	1 51	0 24	6 0	1 39	5 40	2 25	20 50	0 42	3 2	1 54	32 6	10 36	4 31	4 52	28 15		n.a.
S 27	21 2	9 17	2 26	23 10	1 46	12 6	1 1	2 8	0 25	6 1	1 40	5 38	2 25	20 51	0 42	3 2	1 54	32 6	10 36	4 29	4 51	28 14		n.a.
S 28	20 50	3 28	1 26	22 48	1 47	11 38	0 58	2 24	0 26	6 2	1 40	5 36	2 25	20 52	0 42	3 3	1 54	32 6	10 36	4 27	4 50	28 14		n.a.
M29	20 38	2n36	0 20	22 24	1 47	11 9	0 56	2 41	0 27	6 3	1 40	5 34	2 25	20 52	0 42	3 3	1 54	32 6	10 36	4 27	4 49	28 13		n.a.
T 30	20 26	8 42	0n48	21 58	1 47	10 40	0 53	2 57	0 28	6 5	1 40	5 31	2 25	20 53	0 42	3 3	1 54	32 7	10 36	4 27	4 47	28 12		n.a.
W31	20n13	14n36	1n55	21n31	1n46	10n11	0n51	3s14	0s29	6s 6	1s41	5n29	2n25	20s53	0s42	3s 4	1s55	32s 7	10s36	4n27	4n46	28s12		n.a.

Julian Day Number = 1563085.5, Delta T = 04h22m50s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'33, Lahiri = - 9°56'33 Julian Calendar 1 July 434 BCE == Greg. Calendar 26 June 434 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

AUGUST 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 14 27	1♌50'12	17♉ 0	4♌40	7♍16	7♎37	18°R33	21♍56	0°R56	26°R44	23°R27	11°R 6	11♈52	13♑24	n.a.	T 1
F 2	20 18 23	2°48'23	1♊ 4	6°33	8°27	8°17	18♓30	22° 1	0♒54	26♓43	23♑25	11♈ 3	11°48	13°31	n.a.	F 2
S 3	20 22 20	3°46'35	15°33	8°25	9°39	8°57	18°26	22° 7	0°51	26°42	23°24	10°57	11°45	13°38	n.a.	S 3
S 4	20 26 17	4°44'49	0♋25	10°16	10°51	9°37	18°22	22°12	0°49	26°41	23°23	10°50	11°42	13°45	n.a.	S 4
M 5	20 30 13	5°43'06	15°33	12° 6	12° 2	10°17	18°18	22°18	0°47	26°40	23°21	10°41	11°39	13°51	n.a.	M 5
T 6	20 34 10	6°41'24	0♌46	13°55	13°14	10°57	18°14	22°24	0°44	26°39	23°20	10°31	11°36	13°58	n.a.	T 6
W 7	20 38 6	7°39'45	15°54	15°42	14°25	11°37	18°10	22°29	0°42	26°38	23°19	10°22	11°32	14° 5	n.a.	W 7
T 8	20 42 3	8°38'07	0♍48	17°28	15°37	12°18	18° 5	22°35	0°39	26°37	23°18	10°15	11°29	14°12	n.a.	T 8
F 9	20 45 59	9°36'31	15°18	19°14	16°48	12°58	18° 1	22°41	0°37	26°36	23°16	10°10	11°26	14°18	n.a.	F 9
S 10	20 49 56	10°34'57	29°21	20°58	18° 0	13°39	17°56	22°47	0°35	26°35	23°15	10° 8	11°23	14°25	n.a.	S 10
S 11	20 53 52	11°33'24	12♎56	22°41	19°11	14°20	17°51	22°53	0°32	26°34	23°14	10°D 7	11°20	14°32	n.a.	S 11
M12	20 57 49	12°31'53	26° 3	24°22	20°22	15° 1	17°46	22°59	0°30	26°33	23°13	10° 8	11°17	14°38	n.a.	M12
T 13	21 1 46	13°30'24	8♏46	26° 3	21°34	15°42	17°40	23° 5	0°28	26°32	23°12	10°R 9	11°13	14°45	n.a.	T 13
W14	21 5 42	14°28'57	21°10	27°43	22°45	16°23	17°35	23°11	0°25	26°31	23°10	10° 9	11°10	14°52	n.a.	W14
T 15	21 9 39	15°27'32	3♐19	29°21	23°56	17° 4	17°29	23°17	0°23	26°30	23° 9	10° 7	11° 7	14°59	n.a.	T 15
F 16	21 13 35	16°26'08	15°18	0♍58	25° 7	17°45	17°23	23°23	0°21	26°29	23° 8	10° 3	11° 4	15° 5	n.a.	F 16
S 17	21 17 32	17°24'47	27°12	2°35	26°18	18°26	17°17	23°29	0°19	26°27	23° 7	9°57	11° 1	15°12	n.a.	S 17
S 18	21 21 28	18°23'27	9♑ 4	4°10	27°29	19° 8	17°11	23°35	0°16	26°26	23° 6	9°49	10°58	15°19	n.a.	S 18
M19	21 25 25	19°22'09	20°57	5°45	28°40	19°50	17° 5	23°42	0°14	26°25	23° 4	9°39	10°54	15°26	n.a.	M19
T 20	21 29 21	20°20'53	2♒54	7°18	29°51	20°31	16°59	23°48	0°12	26°24	23° 3	9°30	10°51	15°32	n.a.	T 20
W21	21 33 18	21°19'39	14°56	8°50	1♎ 1	21°13	16°52	23°54	0°10	26°22	23° 2	9°21	10°48	15°39	n.a.	W21
T 22	21 37 15	22°18'27	27° 4	10°22	2°12	21°55	16°46	24° 1	0° 8	26°21	23° 1	9°13	10°45	15°46	n.a.	T 22
F 23	21 41 11	23°17'17	9♓20	11°52	3°23	22°37	16°39	24° 7	0° 5	26°20	23° 0	9° 7	10°42	15°52	n.a.	F 23
S 24	21 45 8	24°16'09	21°45	13°21	4°33	23°19	16°32	24°14	0° 3	26°18	22°59	9° 3	10°38	15°59	n.a.	S 24
S 25	21 49 4	25°15'03	4♈21	14°50	5°44	24° 1	16°25	24°20	0° 1	26°17	22°58	9°D 2	10°35	16° 6	n.a.	S 25
M26	21 53 1	26°14'00	17° 8	16°17	6°54	24°43	16°18	24°27	29♑59	26°16	22°57	9° 2	10°32	16°13	n.a.	M26
T 27	21 56 57	27°12'59	0♉10	17°43	8° 5	25°26	16°11	24°33	29°57	26°14	22°56	9° 3	10°29	16°19	n.a.	T 27
W28	22 0 54	28°12'01	13°27	19° 9	9°15	26° 8	16° 3	24°40	29°55	26°13	22°55	9° 4	10°26	16°26	n.a.	W28
T 29	22 4 50	29°11'05	27° 4	20°33	10°25	26°51	15°56	24°46	29°53	26°11	22°54	9°R 5	10°23	16°33	n.a.	T 29
F 30	22 8 47	0♍10'12	10♊59	21°56	11°35	27°33	15°48	24°53	29°51	26°10	22°53	9° 5	10°19	16°39	n.a.	F 30
S 31	22 12 43	1♍ 9'21	25♊15	23♍18	12♎45	28♎16	15♓41	25♍ 0	29♑49	26♓ 8	22♑52	9♈ 3	10♈16	16♑46	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	20n 1	19n59	2n58	21n 2	1n44	9n42	0n48	3s31	0s29	6s 8	1s41	5n27	2n24	20s54	0s42	3s 4	1s55	32s 7	10s37	4n27	4n45	28s11			n.a.
F 2	19 47	24 26	3 53	20 32	1 42	9 12	0 45	3 47	0 30	6 9	1 41	5 24	2 24	20 54	0 42	3 4	1 55	32 7	10 37	4 26	4 44	28 10			n.a.
S 3	19 34	27 30	4 34	20 0	1 40	8 42	0 42	4 4	0 31	6 11	1 42	5 22	2 24	20 55	0 42	3 5	1 55	32 8	10 37	4 23	4 42	28 9			n.a.
S 4	19 20	28 43	4 58	19 27	1 37	8 12	0 39	4 21	0 32	6 13	1 42	5 20	2 24	20 55	0 42	3 5	1 55	32 8	10 37	4 20	4 41	28 9			n.a.
M 5	19 5	27 49	5 2	18 53	1 33	7 42	0 36	4 38	0 33	6 15	1 42	5 17	2 24	20 56	0 42	3 6	1 55	32 8	10 37	4 17	4 40	28 8			n.a.
T 6	18 51	24 52	4 44	18 17	1 29	7 11	0 33	4 54	0 34	6 17	1 42	5 15	2 24	20 56	0 42	3 6	1 55	32 8	10 37	4 13	4 39	28 7			n.a.
W 7	18 36	20 12	4 7	17 41	1 25	6 40	0 30	5 11	0 35	6 19	1 43	5 13	2 24	20 57	0 42	3 6	1 55	32 9	10 36	4 9	4 37	28 6			n.a.
T 8	18 20	14 20	3 13	17 4	1 21	6 10	0 27	5 28	0 35	6 21	1 43	5 10	2 23	20 57	0 42	3 7	1 55	32 9	10 36	4 7	4 36	28 6			n.a.
F 9	18 5	7 50	2 8	16 27	1 16	5 39	0 24	5 45	0 36	6 23	1 43	5 8	2 23	20 58	0 42	3 7	1 55	32 9	10 36	4 5	4 35	28 5			n.a.
S 10	17 49	1 8	0 57	15 48	1 10	5 8	0 21	6 1	0 37	6 25	1 43	5 5	2 23	20 58	0 42	3 8	1 55	32 9	10 36	4 4	4 34	28 4			n.a.
S 11	17 32	5s24	0s15	15 9	1 5	4 36	0 18	6 18	0 38	6 27	1 44	5 3	2 23	20 59	0 42	3 8	1 55	32 9	10 36	4 4	4 32	28 3			n.a.
M12	17 16	11 29	1 24	14 30	0 59	4 5	0 14	6 35	0 39	6 29	1 44	5 0	2 23	20 59	0 42	3 9	1 55	32 10	10 36	4 4	4 31	28 2			n.a.
T 13	16 59	16 55	2 27	13 50	0 53	3 33	0 11	6 52	0 40	6 32	1 44	4 58	2 23	21 0	0 42	3 9	1 55	32 10	10 36	4 4	4 30	28 1			n.a.
W14	16 42	21 31	3 21	13 10	0 47	3 2	0 8	7 8	0 40	6 34	1 44	4 55	2 23	21 0	0 42	3 10	1 55	32 10	10 36	4 4	4 29	28 1			n.a.
T 15	16 25	25 6	4 5	12 29	0 41	2 30	0 4	7 25	0 41	6 36	1 45	4 53	2 22	21 1	0 42	3 10	1 55	32 10	10 36	4 3	4 27	28 0			n.a.
F 16	16 7	27 32	4 38	11 48	0 34	1 58	0 1	7 42	0 42	6 39	1 45	4 50	2 22	21 1	0 42	3 11	1 55	32 10	10 36	4 2	4 26	27 59			n.a.
S 17	15 49	28 42	4 58	11 7	0 27	1 27	0s 3	7 59	0 43	6 42	1 45	4 47	2 22	21 2	0 42	3 11	1 55	32 10	10 36	3 59	4 25	27 58			n.a.
S 18	15 31	28 31	5 6	10 25	0 21	0 55	0 7	8 15	0 43	6 44	1 45	4 45	2 22	21 2	0 42	3 12	1 55	32 11	10 36	3 56	4 23	27 57			n.a.
M19	15 12	27 2	5 0	9 44	0 14	0 23	0 10	8 32	0 44	6 47	1 45	4 42	2 22	21 3	0 42	3 12	1 56	32 11	10 36	3 52	4 22	27 56			n.a.
T 20	14 54	24 19	4 41	9 2	0 6	0s 9	0 14	8 48	0 45	6 49	1 46	4 40	2 22	21 3	0 42	3 13	1 56	32 11	10 36	3 49	4 21	27 55			n.a.
W21	14 35	20 32	4 10	8 21	0s 1	0 41	0 18	9 5	0 46	6 52	1 46	4 37	2 22	21 4	0 42	3 13	1 56	32 11	10 36	3 45	4 20	27 55			n.a.
T 22	14 15	15 52	3 26	7 39	0 8	1 13	0 21	9 22	0 46	6 55	1 46	4 34	2 22	21 4	0 42	3 14	1 56	32 11	10 36	3 42	4 18	27 54			n.a.
F 23	13 56	10 32	2 33	6 58	0 16	1 44	0 25	9 38	0 47	6 58	1 46	4 32	2 22	21 5	0 42	3 15	1 56	32 11	10 36	3 39	4 17	27 53			n.a.
S 24	13 36	4 43	1 32	6 16	0 23	2 16	0 29	9 55	0 48	7 1	1 46	4 29	2 21	21 5	0 42	3 15	1 56	32 11	10 36	3 38	4 16	27 52			n.a.
S 25	13 16	1n22	0 25	5 35	0 31	2 48	0 33	10 11	0 48	7 4	1 46	4 26	2 21	21 6	0 42	3 16	1 56	32 11	10 35	3 37	4 15	27 51			n.a.
M26	12 56	7 29	0n44	4 54	0 38	3 20	0 36	10 27	0 49	7 7	1 47	4 23	2 21	21 6	0 42	3 16	1 56	32 12	10 35	3 37	4 13	27 50			n.a.
T 27	12 36	13 25	1 52	4 13	0 46	3 52	0 40	10 44	0 50	7 9	1 47	4 21	2 21	21 6	0 42	3 17	1 56	32 12	10 35	3 38	4 12	27 49			n.a.
W28	12 15	18 52	2 56	3 32	0 53	4 23	0 44	11 0	0 50	7 12	1 47	4 18	2 21	21 7	0 42	3 18	1 56	32 12	10 35	3 38	4 11	27 48			n.a.
T 29	11 54	23 30	3 51	2 52	1 1	4 55	0 48	11 16	0 51	7 16	1 47	4 15	2 21	21 7	0 42	3 18	1 56	32 12	10 35	3 39	4 10	27 47			n.a.
F 30	11 33	26 54	4 34	2 12	1 9	5 26	0 52	11 32	0 52	7 19	1 47	4 12	2 21	21 8	0 42	3 19	1 56	32 12	10 35	3 39	4 8	27 46			n.a.
S 31	11n12	28n41	5n 2	1n32	1s16	5s57	0s56	11s49	0s52	7s22	1s47	4n10	2n21	21s 8	0s42	3s19	1s56	32s12	10s35	3n38	4n 7	27s45			n.a.

Julian Day Number = 1563116.5, Delta T = 04h22m49s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'29, Lahiri = - 9°56'28 Julian Calendar 1 Aug. 434 BCE == Greg. Calendar 27 July 434 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

SEPTEMBER 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 16 40	2♍ 8'33	9♋47	24♍39	13♎55	28♎59	15°R33	25♍ 7	29°R47	26°R 7	22°R51	8°R59	10♈13	16♉53	n.a.	S 1
M 2	22 20 37	3° 7'47	24°33	25°59	15° 5	29°42	15♓25	25°13	29♉45	26♓ 5	22♉50	8♈54	10°10	17° 0	n.a.	M 2
T 3	22 24 33	4° 7'03	9♌26	27°17	16°15	0♏25	15°18	25°20	29°43	26° 4	22°49	8°49	10° 7	17° 6	n.a.	T 3
W 4	22 28 30	5° 6'22	24°16	28°34	17°25	1° 8	15°10	25°27	29°42	26° 2	22°48	8°44	10° 4	17°13	n.a.	W 4
T 5	22 32 26	6° 5'42	8♍57	29°50	18°35	1°51	15° 2	25°34	29°40	26° 1	22°47	8°40	10° 0	17°20	n.a.	T 5
F 6	22 36 23	7° 5'05	23°21	1♎ 4	19°44	2°34	14°54	25°41	29°38	25°59	22°46	8°37	9°57	17°27	n.a.	F 6
S 7	22 40 19	8° 4'30	7♎22	2°17	20°54	3°18	14°46	25°48	29°36	25°58	22°45	8°D37	9°54	17°33	n.a.	S 7
S 8	22 44 16	9° 3'57	20°58	3°28	22° 3	4° 1	14°38	25°55	29°35	25°56	22°44	8°37	9°51	17°40	n.a.	S 8
M 9	22 48 12	10° 3'26	4♏10	4°37	23°13	4°44	14°30	26° 2	29°33	25°54	22°44	8°38	9°48	17°47	n.a.	M 9
T 10	22 52 9	11° 2'57	16°57	5°44	24°22	5°28	14°22	26° 9	29°31	25°53	22°43	8°40	9°44	17°53	n.a.	T 10
W11	22 56 6	12° 2'29	29°25	6°49	25°31	6°12	14°14	26°15	29°30	25°51	22°42	8°42	9°41	18° 0	n.a.	W11
T 12	23 0 2	13° 2'04	11♐37	7°52	26°40	6°55	14° 5	26°22	29°28	25°50	22°41	8°R42	9°38	18° 7	n.a.	T 12
F 13	23 3 59	14° 1'41	23°38	8°52	27°49	7°39	13°57	26°30	29°27	25°48	22°41	8°42	9°35	18°14	n.a.	F 13
S 14	23 7 55	15° 1'19	5♑32	9°50	28°58	8°23	13°49	26°37	29°25	25°46	22°40	8°40	9°32	18°20	n.a.	S 14
S 15	23 11 52	16° 0'59	17°24	10°44	0♏ 7	9° 7	13°41	26°44	29°24	25°45	22°39	8°38	9°29	18°27	n.a.	S 15
M16	23 15 48	17° 0'42	29°19	11°35	1°15	9°51	13°33	26°51	29°22	25°43	22°39	8°34	9°25	18°34	n.a.	M16
T 17	23 19 45	18° 0'26	11♒19	12°22	2°24	10°35	13°25	26°58	29°21	25°41	22°38	8°31	9°22	18°40	n.a.	T 17
W18	23 23 41	19° 0'12	23°27	13° 6	3°32	11°20	13°17	27° 5	29°20	25°40	22°37	8°28	9°19	18°47	n.a.	W18
T 19	23 27 38	19°59'59	5♓46	13°45	4°40	12° 4	13° 9	27°12	29°19	25°38	22°37	8°25	9°16	18°54	n.a.	T 19
F 20	23 31 34	20°59'49	18°16	14°18	5°48	12°48	13° 1	27°19	29°17	25°36	22°36	8°23	9°13	19° 1	n.a.	F 20
S 21	23 35 31	21°59'41	0♈59	14°47	6°56	13°33	12°53	27°26	29°16	25°35	22°36	8°22	9° 9	19° 7	n.a.	S 21
S 22	23 39 28	22°59'35	13°55	15° 9	8° 4	14°17	12°45	27°33	29°15	25°33	22°35	8°D22	9° 6	19°14	n.a.	S 22
M23	23 43 24	23°59'31	27° 3	15°25	9°12	15° 2	12°37	27°40	29°14	25°31	22°34	8°23	9° 3	19°21	n.a.	M23
T 24	23 47 21	24°59'30	10♉25	15°34	10°20	15°46	12°30	27°47	29°13	25°30	22°34	8°24	9° 0	19°28	n.a.	T 24
W25	23 51 17	25°59'30	23°58	15°R35	11°27	16°31	12°22	27°55	29°12	25°28	22°34	8°25	8°57	19°34	n.a.	W25
T 26	23 55 14	26°59'33	7♊44	15°28	12°34	17°16	12°14	28° 2	29°11	25°26	22°33	8°26	8°54	19°41	n.a.	T 26
F 27	23 59 10	27°59'39	21°42	15°12	13°41	18° 0	12° 7	28° 9	29°10	25°24	22°33	8°R26	8°50	19°48	n.a.	F 27
S 28	0 3 7	28°59'46	5♋50	14°47	14°48	18°45	11°59	28°16	29° 9	25°23	22°32	8°26	8°47	19°54	n.a.	S 28
S 29	0 7 3	29°59'56	20° 6	14°12	15°55	19°30	11°52	28°23	29° 8	25°21	22°32	8°26	8°44	20° 1	n.a.	S 29
M30	0 11 0	1♎ 0'08	4♌29	13♎28	17♏ 2	20♏15	11♓45	28♍30	29♉ 8	25♓19	22♉32	8♈25	8♈41	20♉ 8	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n51	28n33	5n11	0n53	1s24	6s29	1s 0	12s 5	0s53	7s25	1s47	4n 7	2n21	21s 9	0s42	3s20	1s56	32s12	10s35	3n36	4n 6	27s44		n.a.
M 2	10 29	26 23	4 59	0 14	1 31	7 0	1 4	12 21	0 54	7 28	1 47	4 4	2 21	21 9	0 42	3 21	1 56	32 12	10 35	3 34	4 5	27 43		n.a.
T 3	10 8	22 25	4 28	0s25	1 39	7 31	1 8	12 37	0 54	7 31	1 48	4 1	2 21	21 9	0 42	3 21	1 56	32 12	10 34	3 32	4 3	27 42		n.a.
W 4	9 46	17 1	3 38	1 2	1 46	8 1	1 12	12 52	0 55	7 34	1 48	3 59	2 21	21 10	0 42	3 22	1 56	32 12	10 34	3 30	4 2	27 41		n.a.
T 5	9 24	10 42	2 35	1 39	1 53	8 32	1 16	13 8	0 56	7 37	1 48	3 56	2 20	21 10	0 42	3 23	1 56	32 12	10 34	3 29	4 1	27 40		n.a.
F 6	9 1	3 56	1 22	2 16	2 0	9 3	1 20	13 24	0 56	7 41	1 48	3 53	2 20	21 10	0 42	3 23	1 56	32 12	10 34	3 28	3 59	27 39		n.a.
S 7	8 39	2s51	0 7	2 51	2 7	9 33	1 24	13 40	0 57	7 44	1 48	3 50	2 20	21 11	0 42	3 24	1 56	32 12	10 34	3 27	3 58	27 38		n.a.
S 8	8 16	9 19	1s 7	3 26	2 14	10 3	1 27	13 55	0 57	7 47	1 48	3 47	2 20	21 11	0 42	3 25	1 56	32 12	10 34	3 28	3 57	27 37		n.a.
M 9	7 54	15 11	2 15	4 0	2 20	10 33	1 31	14 10	0 58	7 50	1 48	3 44	2 20	21 11	0 42	3 25	1 56	32 12	10 34	3 28	3 56	27 36		n.a.
T 10	7 31	20 13	3 15	4 33	2 27	11 2	1 35	14 26	0 58	7 53	1 48	3 42	2 20	21 12	0 42	3 26	1 56	32 12	10 33	3 29	3 54	27 35		n.a.
W11	7 8	24 14	4 3	5 5	2 33	11 32	1 39	14 41	0 59	7 56	1 48	3 39	2 20	21 12	0 42	3 27	1 56	32 12	10 33	3 29	3 53	27 34		n.a.
T 12	6 45	27 5	4 40	5 35	2 39	12 1	1 43	14 56	0 59	8 0	1 48	3 36	2 20	21 12	0 42	3 27	1 56	32 12	10 33	3 30	3 52	27 33		n.a.
F 13	6 22	28 39	5 3	6 4	2 44	12 30	1 47	15 11	1 0	8 3	1 48	3 33	2 20	21 13	0 42	3 28	1 56	32 12	10 33	3 29	3 51	27 32		n.a.
S 14	5 58	28 51	5 14	6 32	2 49	12 58	1 51	15 26	1 1	8 6	1 48	3 30	2 20	21 13	0 42	3 29	1 56	32 12	10 33	3 29	3 49	27 31		n.a.
S 15	5 35	27 44	5 10	6 58	2 54	13 27	1 55	15 41	1 1	8 9	1 48	3 27	2 20	21 13	0 42	3 29	1 56	32 12	10 33	3 28	3 48	27 30		n.a.
M16	5 12	25 21	4 54	7 22	2 58	13 55	1 58	15 56	1 2	8 12	1 48	3 24	2 20	21 14	0 42	3 30	1 56	32 12	10 32	3 27	3 47	27 28		n.a.
T 17	4 48	21 50	4 24	7 44	3 2	14 22	2 2	16 10	1 2	8 15	1 48	3 22	2 20	21 14	0 42	3 31	1 56	32 12	10 32	3 25	3 46	27 27		n.a.
W18	4 24	17 22	3 43	8 4	3 5	14 50	2 6	16 25	1 3	8 18	1 48	3 19	2 20	21 14	0 42	3 31	1 56	32 12	10 32	3 24	3 44	27 26		n.a.
T 19	4 1	12 9	2 50	8 22	3 8	15 17	2 10	16 39	1 3	8 22	1 48	3 16	2 20	21 14	0 42	3 32	1 56	32 12	10 32	3 23	3 43	27 25		n.a.
F 20	3 37	6 22	1 49	8 37	3 10	15 43	2 13	16 53	1 3	8 25	1 48	3 13	2 20	21 14	0 42	3 33	1 56	32 12	10 32	3 22	3 42	27 24		n.a.
S 21	3 13	0 14	0 41	8 49	3 11	16 10	2 17	17 7	1 4	8 28	1 48	3 10	2 20	21 15	0 42	3 33	1 56	32 12	10 32	3 22	3 41	27 23		n.a.
S 22	2 49	6n 2	0n31	8 58	3 11	16 36	2 21	17 21	1 4	8 31	1 48	3 7	2 20	21 15	0 41	3 34	1 56	32 12	10 31	3 22	3 39	27 22		n.a.
M23	2 25	12 8	1 41	9 3	3 10	17 1	2 24	17 35	1 5	8 34	1 47	3 4	2 20	21 15	0 41	3 35	1 56	32 11	10 31	3 22	3 38	27 21		n.a.
T 24	2 1	17 47	2 48	9 5	3 8	17 26	2 28	17 49	1 5	8 36	1 47	3 1	2 20	21 15	0 41	3 35	1 56	32 11	10 31	3 22	3 37	27 19		n.a.
W25	1 37	22 39	3 46	9 2	3 4	17 51	2 31	18 2	1 6	8 39	1 47	2 59	2 20	21 16	0 41	3 36	1 56	32 11	10 31	3 23	3 35	27 18		n.a.
T 26	1 13	26 22	4 32	8 55	2 59	18 15	2 34	18 16	1 6	8 42	1 47	2 56	2 20	21 16	0 41	3 37	1 56	32 11	10 31	3 23	3 34	27 17		n.a.
F 27	0 48	28 32	5 3	8 43	2 53	18 39	2 38	18 29	1 7	8 45	1 47	2 53	2 20	21 16	0 41	3 37	1 56	32 11	10 30	3 23	3 33	27 16		n.a.
S 28	0 24	28 53	5 16	8 26	2 45	19 3	2 41	18 42	1 7	8 48	1 47	2 50	2 20	21 16	0 41	3 38	1 56	32 11	10 30	3 23	3 32	27 15		n.a.
S 29	0 0	27 20	5 10	8 3	2 35	19 26	2 44	18 55	1 7	8 51	1 47	2 47	2 20	21 16	0 41	3 39	1 56	32 11	10 30	3 23	3 30	27 13		n.a.
M30	0s24	23n59	4n45	7s35	2s24	19s48	2s47	19s 8	1s 8	8s53	1s47	2n44	2n20	21s16	0s41	3s40	1s56	32s11	10s30	3n23	3n29	27s12		n.a.

Julian Day Number = 1563147.5, Delta T = 04h22m47s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'25, Lahiri = - 9°56'24 Julian Calendar 1 Sept. 434 BCE == Greg. Calendar 27 Aug. 434 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

OCTOBER 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 14 57	2♎ 0'22	18♌53	12°R36	18♏ 8	21♏ 0	11°R38	28♍37	29°R 7	25°R18	22°R31	8°R24	8♈38	20♉15	n.a.	T 1
W 2	0 18 53	3° 0'39	3♍16	11♎34	19°14	21°46	11♓31	28°45	29♉ 6	25♓16	22♉31	8♈23	8°35	20°21	n.a.	W 2
T 3	0 22 50	4° 0'57	17°31	10°26	20°20	22°31	11°24	28°52	29° 6	25°14	22°31	8°23	8°31	20°28	n.a.	T 3
F 4	0 26 46	5° 1'17	1♎34	9°12	21°26	23°16	11°17	28°59	29° 5	25°13	22°31	8°23	8°28	20°35	n.a.	F 4
S 5	0 30 43	6° 1'39	15°21	7°54	22°32	24° 1	11°10	29° 6	29° 5	25°11	22°30	8°D23	8°25	20°41	n.a.	S 5
S 6	0 34 39	7° 2'03	28°50	6°35	23°38	24°47	11° 4	29°13	29° 4	25° 9	22°30	8°23	8°22	20°48	n.a.	S 6
M 7	0 38 36	8° 2'29	11♏58	5°17	24°43	25°32	10°57	29°20	29° 4	25° 8	22°30	8°R23	8°19	20°55	n.a.	M 7
T 8	0 42 32	9° 2'56	24°46	4° 3	25°48	26°18	10°51	29°27	29° 3	25° 6	22°30	8°23	8°15	21° 2	n.a.	T 8
W 9	0 46 29	10° 3'25	7♐15	2°55	26°53	27° 3	10°45	29°34	29° 3	25° 5	22°30	8°23	8°12	21° 8	n.a.	W 9
T 10	0 50 26	11° 3'55	19°30	1°55	27°57	27°49	10°39	29°41	29° 3	25° 3	22°30	8°23	8° 9	21°15	n.a.	T 10
F 11	0 54 22	12° 4'27	1♑32	1° 4	29° 2	28°35	10°33	29°48	29° 2	25° 1	22°30	8°22	8° 6	21°22	n.a.	F 11
S 12	0 58 19	13° 5'00	13°27	0°25	0♐ 6	29°20	10°27	29°55	29° 2	25° 0	22°D30	8°D22	8° 3	21°29	n.a.	S 12
S 13	1 2 15	14° 5'35	25°20	29♍57	1°10	0♐ 6	10°22	0♎ 2	29° 2	24°58	22°30	8°22	8° 0	21°35	n.a.	S 13
M14	1 6 12	15° 6'11	7♒14	29°41	2°13	0°52	10°16	0° 9	29° 2	24°57	22°30	8°23	7°56	21°42	n.a.	M14
T 15	1 10 8	16° 6'48	19°15	29°D36	3°17	1°38	10°11	0°16	29°D 2	24°55	22°30	8°24	7°53	21°49	n.a.	T 15
W16	1 14 5	17° 7'27	1♓27	29°43	4°19	2°24	10° 6	0°23	29° 2	24°53	22°30	8°24	7°50	21°55	n.a.	W16
T 17	1 18 1	18° 8'07	13°52	29°59	5°22	3°10	10° 1	0°30	29° 2	24°52	22°30	8°25	7°47	22° 2	n.a.	T 17
F 18	1 21 58	19° 8'48	26°35	0♎26	6°24	3°56	9°57	0°37	29° 2	24°50	22°30	8°26	7°44	22° 9	n.a.	F 18
S 19	1 25 54	20° 9'31	9♈35	1° 1	7°26	4°42	9°52	0°44	29° 3	24°49	22°30	8°R26	7°41	22°16	n.a.	S 19
S 20	1 29 51	21°10'15	22°53	1°44	8°28	5°28	9°48	0°51	29° 3	24°47	22°30	8°26	7°37	22°22	n.a.	S 20
M21	1 33 48	22°11'01	6♉28	2°34	9°29	6°14	9°44	0°58	29° 3	24°46	22°31	8°25	7°34	22°29	n.a.	M21
T 22	1 37 44	23°11'48	20°17	3°30	10°30	7° 0	9°40	1° 4	29° 3	24°45	22°31	8°23	7°31	22°36	n.a.	T 22
W23	1 41 41	24°12'37	4♊18	4°31	11°31	7°46	9°36	1°11	29° 4	24°43	22°31	8°21	7°28	22°42	n.a.	W23
T 24	1 45 37	25°13'27	18°26	5°37	12°31	8°33	9°33	1°18	29° 4	24°42	22°32	8°19	7°25	22°49	n.a.	T 24
F 25	1 49 34	26°14'19	2♋39	6°47	13°31	9°19	9°29	1°25	29° 5	24°40	22°32	8°17	7°21	22°56	n.a.	F 25
S 26	1 53 30	27°15'13	16°52	8° 0	14°30	10° 5	9°26	1°31	29° 5	24°39	22°32	8°16	7°18	23° 3	n.a.	S 26
S 27	1 57 27	28°16'08	1♌ 4	9°16	15°29	10°52	9°23	1°38	29° 6	24°38	22°33	8°D15	7°15	23° 9	n.a.	S 27
M28	2 1 24	29°17'04	15°11	10°35	16°27	11°38	9°20	1°45	29° 7	24°36	22°33	8°16	7°12	23°16	n.a.	M28
T 29	2 5 20	0♏18'02	29°13	11°56	17°25	12°24	9°18	1°51	29° 7	24°35	22°33	8°17	7° 9	23°23	n.a.	T 29
W30	2 9 17	1°19'02	13♍ 8	13°19	18°23	13°11	9°16	1°58	29° 8	24°34	22°34	8°19	7° 6	23°29	n.a.	W30
T 31	2 13 13	2♏20'02	26♍53	14♎43	19♐20	13♐57	9♓13	2♎ 4	29♉ 9	24♓32	22♉34	8♈20	7♈ 2	23♉36	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	0s48	19n10	4n 1	7s 2	2s10	20s10	2s50	19s20	1s 8	8s56	1s46	2n41	2n20	21s16	0s41	3s40	1s56	32s11	10s30	3n22	3n28	27s11			n.a.
W 2	1 13	13 16	3 3	6 23	1 55	20 32	2 53	19 33	1 8	8 58	1 46	2 39	2 20	21 17	0 41	3 41	1 56	32 10	10 29	3 22	3 27	27 10			n.a.
T 3	1 37	6 44	1 53	5 41	1 38	20 53	2 56	19 45	1 9	9 1	1 46	2 36	2 20	21 17	0 41	3 42	1 56	32 10	10 29	3 22	3 25	27 9			n.a.
F 4	2 1	0s 3	0 38	4 54	1 19	21 14	2 59	19 57	1 9	9 3	1 46	2 33	2 20	21 17	0 41	3 42	1 56	32 10	10 29	3 22	3 24	27 7			n.a.
S 5	2 25	6 43	0s39	4 5	1 0	21 34	3 2	20 9	1 10	9 6	1 46	2 30	2 20	21 17	0 41	3 43	1 56	32 10	10 29	3 22	3 23	27 6			n.a.
S 6	2 50	12 55	1 51	3 15	0 39	21 54	3 4	20 20	1 10	9 8	1 46	2 27	2 20	21 17	0 41	3 43	1 56	32 10	10 29	3 22	3 22	27 5			n.a.
M 7	3 14	18 24	2 56	2 25	0 19	22 13	3 7	20 32	1 10	9 10	1 45	2 24	2 20	21 17	0 41	3 44	1 56	32 10	10 28	3 22	3 20	27 3			n.a.
T 8	3 38	22 55	3 50	1 36	0n 2	22 31	3 9	20 43	1 11	9 13	1 45	2 22	2 20	21 17	0 41	3 45	1 56	32 9	10 28	3 22	3 19	27 2			n.a.
W 9	4 2	26 16	4 32	0 50	0 22	22 49	3 12	20 54	1 11	9 15	1 45	2 19	2 20	21 17	0 41	3 45	1 56	32 9	10 28	3 22	3 18	27 1			n.a.
T 10	4 26	28 19	5 0	0 9	0 41	23 6	3 14	21 5	1 11	9 17	1 45	2 16	2 20	21 17	0 41	3 46	1 56	32 9	10 28	3 22	3 16	27 0			n.a.
F 11	4 50	28 59	5 15	0n28	0 59	23 23	3 16	21 16	1 11	9 19	1 45	2 13	2 20	21 17	0 41	3 47	1 56	32 9	10 27	3 22	3 15	26 58			n.a.
S 12	5 14	28 18	5 16	0 58	1 15	23 39	3 18	21 26	1 12	9 21	1 44	2 10	2 20	21 17	0 41	3 47	1 56	32 9	10 27	3 22	3 14	26 57			n.a.
S 13	5 38	26 19	5 3	1 23	1 29	23 55	3 20	21 36	1 12	9 23	1 44	2 8	2 20	21 17	0 41	3 48	1 56	32 8	10 27	3 22	3 13	26 56			n.a.
M14	6 1	23 10	4 38	1 41	1 42	24 10	3 22	21 46	1 12	9 25	1 44	2 5	2 21	21 17	0 41	3 49	1 56	32 8	10 27	3 22	3 11	26 54			n.a.
T 15	6 25	19 2	4 0	1 52	1 52	24 25	3 23	21 56	1 12	9 27	1 44	2 2	2 21	21 17	0 41	3 49	1 56	32 8	10 27	3 22	3 10	26 53			n.a.
W16	6 49	14 4	3 11	1 58	2 1	24 38	3 25	22 6	1 13	9 28	1 43	1 59	2 21	21 17	0 41	3 50	1 56	32 8	10 26	3 23	3 9	26 52			n.a.
T 17	7 12	8 27	2 12	1 58	2 8	24 52	3 26	22 15	1 13	9 30	1 43	1 57	2 21	21 17	0 41	3 50	1 56	32 7	10 26	3 23	3 8	26 50			n.a.
F 18	7 35	2 22	1 5	1 52	2 14	25 4	3 28	22 24	1 13	9 31	1 43	1 54	2 21	21 17	0 41	3 51	1 56	32 7	10 26	3 23	3 6	26 49			n.a.
S 19	7 59	3n56	0n 6	1 42	2 18	25 16	3 29	22 33	1 13	9 33	1 43	1 51	2 21	21 17	0 41	3 51	1 56	32 7	10 26	3 23	3 5	26 48			n.a.
S 20	8 22	10 14	1 19	1 27	2 21	25 27	3 30	22 42	1 14	9 34	1 42	1 49	2 21	21 17	0 41	3 52	1 56	32 7	10 26	3 23	3 4	26 46			n.a.
M21	8 45	16 11	2 29	1 8	2 22	25 38	3 31	22 50	1 14	9 36	1 42	1 46	2 21	21 17	0 41	3 53	1 56	32 6	10 25	3 23	3 2	26 45			n.a.
T 22	9 8	21 26	3 31	0 46	2 22	25 48	3 32	22 59	1 14	9 37	1 42	1 43	2 21	21 17	0 41	3 53	1 56	32 6	10 25	3 22	3 1	26 44			n.a.
W23	9 30	25 33	4 21	0 21	2 22	25 58	3 32	23 7	1 14	9 38	1 42	1 41	2 21	21 16	0 41	3 54	1 56	32 6	10 25	3 21	3 0	26 42			n.a.
T 24	9 53	28 10	4 56	0s 7	2 20	26 6	3 33	23 14	1 14	9 39	1 41	1 38	2 21	21 16	0 41	3 54	1 56	32 6	10 25	3 20	2 59	26 41			n.a.
F 25	10 15	28 57	5 14	0 37	2 18	26 14	3 33	23 22	1 15	9 40	1 41	1 35	2 21	21 16	0 41	3 55	1 56	32 5	10 24	3 20	2 57	26 39			n.a.
S 26	10 38	27 49	5 12	1 9	2 15	26 22	3 33	23 29	1 15	9 41	1 41	1 33	2 21	21 16	0 41	3 55	1 56	32 5	10 24	3 19	2 56	26 38			n.a.
S 27	11 0	24 54	4 51	1 43	2 11	26 29	3 33	23 36	1 15	9 42	1 41	1 30	2 22	21 16	0 40	3 56	1 56	32 5	10 24	3 19	2 55	26 37			n.a.
M28	11 22	20 30	4 12	2 18	2 7	26 35	3 33	23 43	1 15	9 43	1 40	1 28	2 22	21 16	0 40	3 56	1 56	32 4	10 24	3 19	2 54	26 35			n.a.
T 29	11 43	14 59	3 19	2 54	2 2	26 40	3 32	23 49	1 15	9 43	1 40	1 25	2 22	21 16	0 40	3 57	1 56	32 4	10 24	3 20	2 52	26 34			n.a.
W30	12 5	8 46	2 14	3 31	1 57	26 45	3 32	23 55	1 15	9 44	1 40	1 23	2 22	21 15	0 40	3 57	1 56	32 4	10 23	3 20	2 51	26 32			n.a.
T 31	12s26	2n12	1n 3	4s 9	1n52	26s49	3s31	24s 1	1s15	9s45	1s39	1n20	2n22	21s15	0s40	3s58	1s56	32s 4	10s23	3n21	2n50	26s31			n.a.

Julian Day Number = 1563177.5, Delta T = 04h22m46s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'21, Lahiri = - 9°56'20 Julian Calendar 1 Oct. 434 BCE == Greg. Calendar 26 Sept. 434 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

NOVEMBER 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 17 10	3♏21'04	10♎29	16♎ 9	20♐16	14♐44	9°R11	2♎11	29♉10	24°R31	22♉35	8°R20	6♈59	23♉43	n.a.	F 1
S 2	2 21 6	4°22'07	23°53	17°36	21°12	15°31	9♓10	2°17	29°11	24♓30	22°35	8♈20	6°56	23°50	n.a.	S 2
S 3	2 25 3	5°23'12	7♏ 3	19° 3	22° 8	16°17	9° 8	2°23	29°12	24°29	22°36	8°17	6°53	23°56	n.a.	S 3
M 4	2 28 59	6°24'17	19°59	20°32	23° 2	17° 4	9° 7	2°30	29°13	24°28	22°37	8°13	6°50	24° 3	n.a.	M 4
T 5	2 32 56	7°25'23	2♐39	22° 1	23°56	17°51	9° 6	2°36	29°14	24°26	22°37	8° 9	6°46	24°10	n.a.	T 5
W 6	2 36 53	8°26'30	15° 6	23°31	24°50	18°37	9° 5	2°42	29°15	24°25	22°38	8° 3	6°43	24°16	n.a.	W 6
T 7	2 40 49	9°27'38	27°19	25° 1	25°43	19°24	9° 4	2°49	29°16	24°24	22°38	7°58	6°40	24°23	n.a.	T 7
F 8	2 44 46	10°28'47	9♑21	26°31	26°35	20°11	9° 4	2°55	29°17	24°23	22°39	7°53	6°37	24°30	n.a.	F 8
S 9	2 48 42	11°29'56	21°16	28° 2	27°26	20°58	9° 3	3° 1	29°18	24°22	22°40	7°49	6°34	24°37	n.a.	S 9
S 10	2 52 39	12°31'05	3♒ 7	29°34	28°17	21°44	9°D 3	3° 7	29°20	24°21	22°41	7°47	6°31	24°43	n.a.	S 10
M11	2 56 35	13°32'15	15° 0	1♏ 5	29° 7	22°31	9° 3	3°13	29°21	24°20	22°41	7°D47	6°27	24°50	n.a.	M11
T 12	3 0 32	14°33'26	26°58	2°37	29°56	23°18	9° 4	3°19	29°22	24°19	22°42	7°47	6°24	24°57	n.a.	T 12
W13	3 4 28	15°34'36	9♓ 8	4° 9	0♑44	24° 5	9° 4	3°25	29°24	24°18	22°43	7°49	6°21	25° 4	n.a.	W13
T 14	3 8 25	16°35'47	21°34	5°41	1°31	24°52	9° 5	3°31	29°25	24°17	22°44	7°51	6°18	25°10	n.a.	T 14
F 15	3 12 22	17°36'59	4♈21	7°13	2°17	25°39	9° 6	3°36	29°27	24°17	22°45	7°R52	6°15	25°17	n.a.	F 15
S 16	3 16 18	18°38'10	17°30	8°46	3° 3	26°26	9° 7	3°42	29°28	24°16	22°46	7°51	6°12	25°24	n.a.	S 16
S 17	3 20 15	19°39'22	1♉ 3	10°18	3°47	27°13	9° 9	3°48	29°30	24°15	22°47	7°49	6° 8	25°30	n.a.	S 17
M18	3 24 11	20°40'35	15° 0	11°51	4°30	28° 0	9°10	3°54	29°32	24°14	22°47	7°45	6° 5	25°37	n.a.	M18
T 19	3 28 8	21°41'48	29°17	13°24	5°12	28°47	9°12	3°59	29°34	24°13	22°48	7°38	6° 2	25°44	n.a.	T 19
W20	3 32 4	22°43'01	13♊48	14°57	5°53	29°34	9°14	4° 5	29°35	24°13	22°49	7°31	5°59	25°51	n.a.	W20
T 21	3 36 1	23°44'15	28°27	16°31	6°33	0♑21	9°16	4°10	29°37	24°12	22°50	7°23	5°56	25°57	n.a.	T 21
F 22	3 39 57	24°45'29	13♋ 6	18° 4	7°11	1° 8	9°19	4°15	29°39	24°11	22°51	7°17	5°52	26° 4	n.a.	F 22
S 23	3 43 54	25°46'44	27°38	19°38	7°48	1°55	9°21	4°21	29°41	24°11	22°52	7°11	5°49	26°11	n.a.	S 23
S 24	3 47 51	26°47'59	11♌59	21°12	8°24	2°42	9°24	4°26	29°43	24°10	22°54	7° 8	5°46	26°17	n.a.	S 24
M25	3 51 47	27°49'15	26° 6	22°47	8°59	3°29	9°27	4°31	29°45	24°10	22°55	7°D 7	5°43	26°24	n.a.	M25
T 26	3 55 44	28°50'31	9♍58	24°21	9°32	4°16	9°30	4°36	29°47	24° 9	22°56	7° 8	5°40	26°31	n.a.	T 26
W27	3 59 40	29°51'48	23°35	25°56	10° 3	5° 3	9°34	4°41	29°49	24° 9	22°57	7° 9	5°37	26°38	n.a.	W27
T 28	4 3 37	0♐53'05	6♎59	27°31	10°33	5°50	9°37	4°46	29°51	24° 8	22°58	7°R 9	5°33	26°44	n.a.	T 28
F 29	4 7 33	1°54'22	20° 9	29° 6	11° 1	6°37	9°41	4°51	29°53	24° 8	22°59	7° 8	5°30	26°51	n.a.	F 29
S 30	4 11 30	2♐55'39	3♏ 9	0♐42	11♑28	7♑24	9♓45	4♎56	29♉55	24♓ 7	23♉ 0	7♈ 5	5♈27	26♉58	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s48	4s23	0s12	4s48	1n46	26s53	3s30	24s 7	1s15	9s45	1s39	1n18	2n22	21s15	0s40	3s58	1s56	32s 3	10s23	3n21	2n48	26s29		n.a.
S 2	13 9	10 41	1 24	5 27	1 40	26 56	3 29	24 12	1 16	9 46	1 39	1 15	2 22	21 15	0 40	3 59	1 56	32 3	10 23	3 21	2 47	26 28		n.a.
S 3	13 29	16 25	2 31	6 6	1 34	26 58	3 28	24 17	1 16	9 46	1 38	1 13	2 22	21 14	0 40	3 59	1 56	32 3	10 23	3 20	2 46	26 26		n.a.
M 4	13 50	21 18	3 28	6 46	1 28	27 0	3 26	24 22	1 16	9 46	1 38	1 10	2 23	21 14	0 40	4 0	1 56	32 2	10 22	3 18	2 45	26 25		n.a.
T 5	14 10	25 7	4 14	7 26	1 21	27 1	3 25	24 27	1 16	9 46	1 38	1 8	2 23	21 14	0 40	4 0	1 56	32 2	10 22	3 16	2 43	26 23		n.a.
W 6	14 30	27 40	4 47	8 5	1 15	27 1	3 23	24 31	1 16	9 46	1 37	1 5	2 23	21 14	0 40	4 0	1 55	32 2	10 22	3 14	2 42	26 22		n.a.
T 7	14 50	28 50	5 6	8 45	1 8	27 1	3 20	24 35	1 16	9 46	1 37	1 3	2 23	21 13	0 40	4 1	1 55	32 1	10 22	3 12	2 41	26 20		n.a.
F 8	15 9	28 36	5 11	9 25	1 1	27 0	3 18	24 39	1 16	9 46	1 37	1 1	2 23	21 13	0 40	4 1	1 55	32 1	10 21	3 10	2 40	26 19		n.a.
S 9	15 29	27 2	5 3	10 4	0 54	26 59	3 15	24 42	1 16	9 46	1 37	0 58	2 23	21 13	0 40	4 2	1 55	32 1	10 21	3 8	2 38	26 17		n.a.
S 10	15 48	24 17	4 42	10 43	0 47	26 57	3 13	24 45	1 16	9 46	1 36	0 56	2 23	21 13	0 40	4 2	1 55	32 0	10 21	3 8	2 37	26 16		n.a.
M11	16 6	20 30	4 8	11 22	0 40	26 54	3 10	24 48	1 16	9 45	1 36	0 54	2 24	21 12	0 40	4 2	1 55	32 0	10 21	3 7	2 36	26 14		n.a.
T 12	16 25	15 52	3 24	12 1	0 33	26 51	3 6	24 51	1 16	9 45	1 36	0 51	2 24	21 12	0 40	4 3	1 55	32 0	10 21	3 8	2 34	26 13		n.a.
W13	16 43	10 33	2 30	12 39	0 27	26 47	3 3	24 53	1 16	9 44	1 35	0 49	2 24	21 12	0 40	4 3	1 55	31 59	10 20	3 8	2 33	26 11		n.a.
T 14	17 1	4 43	1 27	13 17	0 20	26 43	2 59	24 55	1 16	9 44	1 35	0 47	2 24	21 11	0 40	4 3	1 55	31 59	10 20	3 9	2 32	26 10		n.a.
F 15	17 18	1n27	0 19	13 54	0 13	26 38	2 55	24 57	1 16	9 43	1 35	0 45	2 24	21 11	0 40	4 4	1 55	31 59	10 20	3 9	2 31	26 8		n.a.
S 16	17 36	7 45	0n52	14 31	0 6	26 33	2 50	24 58	1 16	9 42	1 34	0 43	2 24	21 11	0 40	4 4	1 55	31 58	10 20	3 9	2 29	26 7		n.a.
S 17	17 53	13 54	2 2	15 7	0s 1	26 27	2 46	24 59	1 16	9 42	1 34	0 41	2 25	21 10	0 40	4 4	1 55	31 58	10 20	3 8	2 28	26 5		n.a.
M18	18 9	19 31	3 7	15 43	0 8	26 21	2 41	25 0	1 16	9 41	1 34	0 38	2 25	21 10	0 40	4 4	1 55	31 58	10 20	3 7	2 27	26 3		n.a.
T 19	18 25	24 11	4 2	16 18	0 14	26 14	2 35	25 1	1 16	9 40	1 33	0 36	2 25	21 9	0 40	4 5	1 55	31 57	10 19	3 4	2 26	26 2		n.a.
W20	18 41	27 25	4 42	16 52	0 21	26 7	2 30	25 1	1 16	9 39	1 33	0 34	2 25	21 9	0 40	4 5	1 55	31 57	10 19	3 1	2 24	26 0		n.a.
T 21	18 57	28 48	5 4	17 26	0 27	25 59	2 24	25 1	1 16	9 37	1 33	0 32	2 25	21 9	0 40	4 5	1 55	31 57	10 19	2 58	2 23	25 59		n.a.
F 22	19 12	28 10	5 6	17 59	0 34	25 51	2 18	25 0	1 16	9 36	1 32	0 30	2 25	21 8	0 40	4 5	1 55	31 56	10 19	2 55	2 22	25 57		n.a.
S 23	19 27	25 36	4 48	18 31	0 40	25 42	2 11	25 0	1 16	9 35	1 32	0 28	2 26	21 8	0 40	4 5	1 55	31 56	10 19	2 53	2 20	25 55		n.a.
S 24	19 42	21 27	4 13	19 2	0 46	25 33	2 4	24 59	1 16	9 34	1 32	0 26	2 26	21 7	0 40	4 6	1 55	31 56	10 18	2 52	2 19	25 54		n.a.
M25	19 56	16 9	3 22	19 33	0 52	25 24	1 57	24 58	1 15	9 32	1 31	0 25	2 26	21 7	0 40	4 6	1 55	31 55	10 18	2 52	2 18	25 52		n.a.
T 26	20 10	10 6	2 21	20 2	0 58	25 14	1 50	24 56	1 15	9 31	1 31	0 23	2 26	21 6	0 40	4 6	1 54	31 55	10 18	2 52	2 17	25 50		n.a.
W27	20 23	3 41	1 12	20 31	1 3	25 3	1 42	24 54	1 15	9 29	1 31	0 21	2 26	21 6	0 40	4 6	1 54	31 54	10 18	2 52	2 15	25 49		n.a.
T 28	20 36	2s47	0 1	20 59	1 9	24 53	1 34	24 52	1 15	9 27	1 30	0 19	2 27	21 5	0 40	4 6	1 54	31 54	10 18	2 53	2 14	25 47		n.a.
F 29	20 49	9 3	1s 9	21 26	1 14	24 42	1 25	24 50	1 15	9 26	1 30	0 17	2 27	21 5	0 40	4 6	1 54	31 54	10 18	2 52	2 13	25 45		n.a.
S 30	21s 1	14s49	2s14	21s51	1s19	24s31	1s16	24s47	1s15	9s24	1s30	0n15	2n27	21s 4	0s40	4s 6	1s54	31s53	10s18	2n51	2n12	25s44		n.a.

Julian Day Number = 1563208.5, Delta T = 04h22m45s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'16, Lahiri = - 9°56'16 Julian Calendar 1 Nov. 434 BCE == Greg. Calendar 27 Oct. 434 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 434 BCE
geocentric

DECEMBER 434 BCE (-433) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 15 27	3♐56'56	15♏57	2♐18	11♑53	8♑11	9♓49	5♎ 1	29♑58	24°R 7	23♑ 2	6°R59	5♈24	27♑ 4	n.a.	S 1
M 2	4 19 23	4°58'14	28°35	3°54	12°16	8°58	9°54	5° 6	29°59	24♓ 7	23° 3	6♈51	5°21	27°11	n.a.	M 2
T 3	4 23 20	5°59'31	11♐ 2	5°31	12°37	9°45	9°58	5°10	0♒ 2	24° 6	23° 4	6°40	5°18	27°18	n.a.	T 3
W 4	4 27 16	7° 0'48	23°19	7° 8	12°56	10°33	10° 3	5°15	0° 5	24° 6	23° 5	6°28	5°14	27°25	n.a.	W 4
T 5	4 31 13	8° 2'05	5♑27	8°45	13°13	11°20	10° 8	5°19	0° 7	24° 6	23° 7	6°16	5°11	27°31	n.a.	T 5
F 6	4 35 9	9° 3'22	17°26	10°23	13°28	12° 7	10°13	5°24	0° 9	24° 6	23° 8	6° 4	5° 8	27°38	n.a.	F 6
S 7	4 39 6	10° 4'38	29°19	12° 1	13°41	12°54	10°18	5°28	0°12	24° 6	23° 9	5°55	5° 5	27°45	n.a.	S 7
S 8	4 43 2	11° 5'53	11♒ 9	13°40	13°52	13°41	10°24	5°32	0°14	24° 5	23°11	5°48	5° 2	27°51	n.a.	S 8
M 9	4 46 59	12° 7'08	22°59	15°19	14° 0	14°28	10°29	5°36	0°17	24° 5	23°12	5°43	4°58	27°58	n.a.	M 9
T 10	4 50 56	13° 8'22	4♓54	16°59	14° 6	15°15	10°35	5°40	0°19	24° 5	23°13	5°41	4°55	28° 5	n.a.	T 10
W11	4 54 52	14° 9'35	17° 0	18°38	14° 9	16° 2	10°41	5°44	0°22	24°D 5	23°15	5°D41	4°52	28°12	n.a.	W11
T 12	4 58 49	15°10'48	29°22	20°19	14°R11	16°49	10°47	5°48	0°25	24° 5	23°16	5°R41	4°49	28°18	n.a.	T 12
F 13	5 2 45	16°11'59	12♈ 4	21°59	14° 9	17°36	10°54	5°52	0°27	24° 5	23°18	5°41	4°46	28°25	n.a.	F 13
S 14	5 6 42	17°13'10	25°12	23°40	14° 5	18°24	11° 0	5°56	0°30	24° 5	23°19	5°39	4°43	28°32	n.a.	S 14
S 15	5 10 38	18°14'20	8♉48	25°22	13°59	19°11	11° 7	6° 0	0°33	24° 6	23°20	5°35	4°39	28°38	n.a.	S 15
M16	5 14 35	19°15'29	22°53	27° 3	13°50	19°58	11°14	6° 3	0°36	24° 6	23°22	5°29	4°36	28°45	n.a.	M16
T 17	5 18 32	20°16'38	7♊25	28°45	13°38	20°45	11°21	6° 7	0°38	24° 6	23°23	5°19	4°33	28°52	n.a.	T 17
W18	5 22 28	21°17'45	22°17	0♋27	13°24	21°32	11°28	6°10	0°41	24° 6	23°25	5° 8	4°30	28°59	n.a.	W18
T 19	5 26 25	22°18'52	7♋22	2°10	13° 8	22°19	11°35	6°13	0°44	24° 6	23°26	4°57	4°27	29° 5	n.a.	T 19
F 20	5 30 21	23°19'59	22°28	3°52	12°49	23° 6	11°43	6°16	0°47	24° 7	23°28	4°46	4°24	29°12	n.a.	F 20
S 21	5 34 18	24°21'04	7♌25	5°34	12°27	23°53	11°50	6°20	0°50	24° 7	23°29	4°37	4°20	29°19	n.a.	S 21
S 22	5 38 14	25°22'09	22° 7	7°16	12° 4	24°40	11°58	6°23	0°53	24° 7	23°31	4°31	4°17	29°25	n.a.	S 22
M23	5 42 11	26°23'13	6♍27	8°58	11°38	25°27	12° 6	6°26	0°56	24° 8	23°33	4°28	4°14	29°32	n.a.	M23
T 24	5 46 7	27°24'16	20°24	10°39	11°10	26°14	12°14	6°28	0°59	24° 8	23°34	4°27	4°11	29°39	n.a.	T 24
W25	5 50 4	28°25'19	3♎58	12°19	10°40	27° 0	12°22	6°31	1° 2	24° 9	23°36	4°27	4° 8	29°46	n.a.	W25
T 26	5 54 1	29°26'21	17°13	13°58	10° 9	27°47	12°30	6°34	1° 5	24° 9	23°37	4°26	4° 4	29°52	n.a.	T 26
F 27	5 57 57	0♑27'22	0♏10	15°36	9°36	28°34	12°39	6°36	1° 8	24°10	23°39	4°24	4° 1	29°59	n.a.	F 27
S 28	6 1 54	1°28'22	12°52	17°12	9° 2	29°21	12°48	6°39	1°11	24°10	23°41	4°20	3°58	0♒ 6	n.a.	S 28
S 29	6 5 50	2°29'22	25°23	18°45	8°27	0♒ 8	12°56	6°41	1°14	24°11	23°42	4°12	3°55	0°12	n.a.	S 29
M30	6 9 47	3°30'20	7♐44	20°16	7°51	0°55	13° 5	6°43	1°17	24°12	23°44	4° 2	3°52	0°19	n.a.	M30
T 31	6 13 43	4♑31'18	19♐57	21♑44	7♑14	1♒42	13♓14	6♎46	1♒20	24♓12	23♑45	3♈49	3♈49	0♒26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s13	19s53	3s12	22s16	1s24	24s19	1s 7	24s44	1s15	9s22	1s30	0n14	2n27	21s 4	0s40	4s 7	1s54	31s53	10s17	2n49	2n10	25s42		n.a.
M 2	21 24	23 59	3 59	22 40	1 29	24 8	0 57	24 41	1 15	9 20	1 29	0 12	2 27	21 3	0 39	4 7	1 54	31 53	10 17	2 45	2 9	25 40		n.a.
T 3	21 35	26 54	4 34	23 2	1 33	23 56	0 47	24 37	1 14	9 18	1 29	0 10	2 28	21 3	0 39	4 7	1 54	31 52	10 17	2 41	2 8	25 39		n.a.
W 4	21 46	28 29	4 55	23 23	1 38	23 43	0 37	24 34	1 14	9 16	1 29	0 9	2 28	21 2	0 39	4 7	1 54	31 52	10 17	2 36	2 6	25 37		n.a.
T 5	21 56	28 41	5 3	23 43	1 42	23 31	0 26	24 29	1 14	9 14	1 28	0 7	2 28	21 2	0 39	4 7	1 54	31 52	10 17	2 31	2 5	25 35		n.a.
F 6	22 6	27 30	4 57	24 2	1 45	23 18	0 15	24 25	1 14	9 11	1 28	0 6	2 28	21 1	0 39	4 7	1 54	31 51	10 17	2 26	2 4	25 34		n.a.
S 7	22 15	25 5	4 38	24 19	1 49	23 6	0 3	24 20	1 14	9 9	1 28	0 4	2 28	21 1	0 39	4 7	1 54	31 51	10 17	2 23	2 3	25 32		n.a.
S 8	22 24	21 37	4 8	24 35	1 52	22 53	0n 9	24 15	1 14	9 7	1 27	0 3	2 29	21 0	0 39	4 7	1 54	31 50	10 16	2 20	2 1	25 30		n.a.
M 9	22 32	17 17	3 26	24 50	1 55	22 39	0 21	24 10	1 13	9 4	1 27	0 1	2 29	21 0	0 39	4 7	1 54	31 50	10 16	2 18	2 0	25 28		n.a.
T 10	22 40	12 15	2 36	25 3	1 57	22 26	0 34	24 5	1 13	9 2	1 27	0s 0	2 29	20 59	0 39	4 7	1 54	31 50	10 16	2 17	1 59	25 27		n.a.
W11	22 48	6 42	1 38	25 14	1 59	22 13	0 47	23 59	1 13	8 59	1 27	0 2	2 29	20 58	0 39	4 7	1 54	31 49	10 16	2 17	1 58	25 25		n.a.
T 12	22 55	0 46	0 34	25 24	2 1	21 59	1 0	23 53	1 13	8 57	1 26	0 3	2 30	20 58	0 39	4 7	1 54	31 49	10 16	2 17	1 56	25 23		n.a.
F 13	23 1	5n21	0n34	25 32	2 2	21 46	1 14	23 46	1 12	8 54	1 26	0 4	2 30	20 57	0 39	4 7	1 53	31 49	10 16	2 17	1 55	25 21		n.a.
S 14	23 8	11 27	1 42	25 39	2 3	21 32	1 28	23 40	1 12	8 51	1 26	0 6	2 30	20 57	0 39	4 6	1 53	31 48	10 16	2 17	1 54	25 20		n.a.
S 15	23 13	17 14	2 46	25 44	2 4	21 19	1 42	23 33	1 12	8 48	1 25	0 7	2 30	20 56	0 39	4 6	1 53	31 48	10 16	2 15	1 52	25 18		n.a.
M16	23 19	22 19	3 42	25 47	2 4	21 5	1 57	23 26	1 12	8 45	1 25	0 8	2 31	20 55	0 39	4 6	1 53	31 47	10 16	2 12	1 51	25 16		n.a.
T 17	23 23	26 12	4 26	25 48	2 3	20 52	2 12	23 18	1 11	8 42	1 25	0 9	2 31	20 55	0 39	4 6	1 53	31 47	10 15	2 9	1 50	25 14		n.a.
W18	23 28	28 24	4 53	25 47	2 3	20 38	2 27	23 10	1 11	8 39	1 25	0 10	2 31	20 54	0 39	4 6	1 53	31 47	10 15	2 4	1 49	25 13		n.a.
T 19	23 31	28 32	5 0	25 45	2 1	20 25	2 42	23 3	1 11	8 36	1 24	0 11	2 31	20 53	0 39	4 6	1 53	31 46	10 15	1 59	1 47	25 11		n.a.
F 20	23 35	26 33	4 47	25 40	1 59	20 11	2 57	22 54	1 11	8 33	1 24	0 13	2 32	20 53	0 39	4 6	1 53	31 46	10 15	1 55	1 46	25 9		n.a.
S 21	23 38	22 44	4 13	25 34	1 56	19 58	3 12	22 46	1 10	8 30	1 24	0 14	2 32	20 52	0 39	4 5	1 53	31 46	10 15	1 52	1 45	25 7		n.a.
S 22	23 40	17 31	3 24	25 26	1 53	19 45	3 28	22 37	1 10	8 27	1 23	0 15	2 32	20 51	0 39	4 5	1 53	31 45	10 15	1 49	1 44	25 5		n.a.
M23	23 42	11 27	2 22	25 15	1 49	19 32	3 43	22 28	1 10	8 23	1 23	0 15	2 32	20 51	0 39	4 5	1 53	31 45	10 15	1 48	1 42	25 3		n.a.
T 24	23 43	4 59	1 14	25 3	1 44	19 19	3 58	22 19	1 10	8 20	1 23	0 16	2 33	20 50	0 39	4 5	1 53	31 45	10 15	1 47	1 41	25 2		n.a.
W25	23 44	1s34	0 2	24 49	1 39	19 7	4 13	22 10	1 9	8 17	1 23	0 17	2 33	20 49	0 39	4 4	1 53	31 44	10 15	1 47	1 40	25 0		n.a.
T 26	23 45	7 52	1s 7	24 33	1 33	18 54	4 28	22 0	1 9	8 13	1 22	0 18	2 33	20 49	0 39	4 4	1 53	31 44	10 15	1 47	1 38	24 58		n.a.
F 27	23 45	13 43	2 11	24 15	1 26	18 42	4 42	21 50	1 9	8 10	1 22	0 19	2 33	20 48	0 39	4 4	1 53	31 43	10 15	1 46	1 37	24 56		n.a.
S 28	23 45	18 53	3 8	23 55	1 18	18 31	4 56	21 40	1 8	8 6	1 22	0 20	2 34	20 47	0 39	4 4	1 53	31 43	10 15	1 45	1 36	24 54		n.a.
S 29	23 44	23 8	3 54	23 34	1 9	18 19	5 10	21 29	1 8	8 2	1 22	0 20	2 34	20 47	0 39	4 3	1 52	31 43	10 15	1 42	1 35	24 52		n.a.
M30	23 42	26 18	4 29	23 11	1 0	18 8	5 23	21 19	1 8	7 59	1 21	0 21	2 34	20 46	0 39	4 3	1 52	31 42	10 15	1 37	1 33	24 50		n.a.
T 31	23s40	28s11	4s50	22s47	0s49	17s58	5n35	21s 8	1s 7	7s55	1s21	0s22	2n34	20s45	0s39	4s 3	1s52	31s42	10s15	1n32	1n32	24s49		n.a.

Julian Day Number = 1563238.5, Delta T = 04h22m44s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'12, Lahiri = - 9°56'12 Julian Calendar 1 Dec. 434 BCE == Greg. Calendar 26 Nov. 434 BCE

The year -433 astronomical counting style corresponds to year 434 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

JANUARY 433 BCE (-432) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 17 40	5♑32'14	2♑ 3	23♑ 8	6°R37	2♒28	13♓24	6♎48	1♒24	24♓13	23♑47	3°R34	3♈45	0♒32	n.a.	W 1
T 2	6 21 37	6°33'09	14° 3	24°27	6♑ 0	3°15	13°33	6°50	1°27	24°14	23°49	3♈19	3°42	0°39	n.a.	T 2
F 3	6 25 33	7°34'03	25°57	25°42	5°22	4° 2	13°42	6°52	1°30	24°15	23°50	3° 4	3°39	0°46	n.a.	F 3
S 4	6 29 30	8°34'55	7♒48	26°50	4°46	4°49	13°52	6°53	1°33	24°15	23°52	2°52	3°36	0°53	n.a.	S 4
S 5	6 33 26	9°35'46	19°37	27°51	4°10	5°35	14° 2	6°55	1°37	24°16	23°54	2°42	3°33	0°59	n.a.	S 5
M 6	6 37 23	10°36'35	1♓27	28°45	3°35	6°22	14°11	6°57	1°40	24°17	23°55	2°36	3°30	1° 6	n.a.	M 6
T 7	6 41 19	11°37'23	13°22	29°31	3° 1	7° 9	14°21	6°58	1°43	24°18	23°57	2°32	3°26	1°13	n.a.	T 7
W 8	6 45 16	12°38'08	25°26	0♒ 8	2°28	7°55	14°32	6°59	1°46	24°19	23°59	2°31	3°23	1°19	n.a.	W 8
T 9	6 49 12	13°38'53	7♈44	0°35	1°57	8°42	14°42	7° 1	1°50	24°20	24° 1	2°31	3°20	1°26	n.a.	T 9
F 10	6 53 9	14°39'35	20°20	0°53	1°27	9°28	14°52	7° 2	1°53	24°21	24° 2	2°31	3°17	1°33	n.a.	F 10
S 11	6 57 6	15°40'15	3♉21	0°R59	1° 0	10°15	15° 2	7° 3	1°56	24°22	24° 4	2°30	3°14	1°40	n.a.	S 11
S 12	7 1 2	16°40'54	16°51	0°55	0°34	11° 1	15°13	7° 4	2° 0	24°23	24° 6	2°26	3°10	1°46	n.a.	S 12
M13	7 4 59	17°41'31	0♊50	0°40	0°11	11°48	15°24	7° 5	2° 3	24°24	24° 7	2°20	3° 7	1°53	n.a.	M13
T 14	7 8 55	18°42'06	15°20	0°15	29♐49	12°34	15°34	7° 5	2° 6	24°25	24° 9	2°12	3° 4	2° 0	n.a.	T 14
W15	7 12 52	19°42'39	0♋15	29♑41	29°31	13°21	15°45	7° 6	2°10	24°27	24°11	2° 2	3° 1	2° 6	n.a.	W15
T 16	7 16 48	20°43'11	15°28	28°57	29°14	14° 7	15°56	7° 7	2°13	24°28	24°13	1°51	2°58	2°13	n.a.	T 16
F 17	7 20 45	21°43'41	0♌48	28° 6	29° 0	14°53	16° 7	7° 7	2°17	24°29	24°14	1°41	2°55	2°20	n.a.	F 17
S 18	7 24 41	22°44'09	16° 4	27° 8	28°49	15°40	16°18	7° 7	2°20	24°30	24°16	1°32	2°51	2°27	n.a.	S 18
S 19	7 28 38	23°44'35	1♍ 5	26° 6	28°40	16°26	16°30	7° 8	2°23	24°32	24°18	1°27	2°48	2°33	n.a.	S 19
M20	7 32 35	24°45'00	15°43	25° 1	28°33	17°12	16°41	7° 8	2°27	24°33	24°19	1°23	2°45	2°40	n.a.	M20
T 21	7 36 31	25°45'23	29°54	23°54	28°29	17°58	16°52	7°R 8	2°30	24°34	24°21	1°D22	2°42	2°47	n.a.	T 21
W22	7 40 28	26°45'45	13♎38	22°48	28°D28	18°45	17° 4	7° 8	2°34	24°36	24°23	1°23	2°39	2°53	n.a.	W22
T 23	7 44 24	27°46'05	26°56	21°43	28°29	19°31	17°15	7° 8	2°37	24°37	24°25	1°R23	2°36	3° 0	n.a.	T 23
F 24	7 48 21	28°46'24	9♏52	20°42	28°32	20°17	17°27	7° 7	2°41	24°38	24°26	1°22	2°32	3° 7	n.a.	F 24
S 25	7 52 17	29°46'41	22°29	19°46	28°38	21° 3	17°39	7° 7	2°44	24°40	24°28	1°20	2°29	3°13	n.a.	S 25
S 26	7 56 14	0♒46'57	4♐51	18°55	28°46	21°49	17°51	7° 7	2°47	24°41	24°30	1°15	2°26	3°20	n.a.	S 26
M27	8 0 10	1°47'11	17° 2	18°10	28°56	22°35	18° 3	7° 6	2°51	24°43	24°31	1° 7	2°23	3°27	n.a.	M27
T 28	8 4 7	2°47'23	29° 5	17°32	29° 9	23°21	18°15	7° 5	2°54	24°44	24°33	0°57	2°20	3°34	n.a.	T 28
W29	8 8 4	3°47'34	11♑ 2	17° 1	29°23	24° 7	18°27	7° 5	2°58	24°46	24°35	0°46	2°16	3°40	n.a.	W29
T 30	8 12 0	4°47'42	22°55	16°36	29°40	24°53	18°39	7° 4	3° 1	24°47	24°37	0°35	2°13	3°47	n.a.	T 30
F 31	8 15 57	5♒47'49	4♒46	16♑19	29♐58	25♒38	18♓51	7♎ 3	3♒ 5	24♓49	24♑38	0♈24	2♈10	3♒54	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	23 s38	28 s43	4 s59	22 s22	0 s38	17 s48	5n47	20 s57	1 s 7	7 s51	1 s21	0 s22	2n35	20 s44	0 s39	4 s 2	1 s52	31 s42	10 s14	1n26	1n31	24 s47			n.a.
T 2	23 35	27 52	4 54	21 56	0 25	17 38	5 59	20 46	1 7	7 47	1 21	0 23	2 35	20 44	0 39	4 2	1 52	31 41	10 14	1 20	1 29	24 45			n.a.
F 3	23 32	25 45	4 36	21 29	0 12	17 29	6 9	20 34	1 6	7 43	1 20	0 23	2 35	20 43	0 39	4 2	1 52	31 41	10 14	1 14	1 28	24 43			n.a.
S 4	23 28	22 31	4 6	21 2	0n 2	17 21	6 19	20 22	1 6	7 39	1 20	0 24	2 35	20 42	0 39	4 1	1 52	31 41	10 14	1 9	1 27	24 41			n.a.
S 5	23 24	18 22	3 26	20 35	0 17	17 13	6 28	20 10	1 5	7 35	1 20	0 24	2 36	20 42	0 39	4 1	1 52	31 40	10 14	1 5	1 26	24 39			n.a.
M 6	23 19	13 31	2 36	20 9	0 32	17 6	6 36	19 58	1 5	7 31	1 20	0 24	2 36	20 41	0 39	4 0	1 52	31 40	10 14	1 3	1 24	24 37			n.a.
T 7	23 14	8 9	1 39	19 44	0 48	16 59	6 44	19 46	1 5	7 27	1 19	0 25	2 36	20 40	0 39	4 0	1 52	31 40	10 14	1 1	1 23	24 35			n.a.
W 8	23 8	2 25	0 37	19 19	1 5	16 54	6 50	19 33	1 4	7 23	1 19	0 25	2 36	20 39	0 39	4 0	1 52	31 39	10 14	1 1	1 22	24 33			n.a.
T 9	23 2	3n32	0n28	18 57	1 22	16 48	6 56	19 21	1 4	7 19	1 19	0 25	2 37	20 39	0 39	3 59	1 52	31 39	10 14	1 1	1 21	24 31			n.a.
F 10	22 56	9 29	1 33	18 36	1 40	16 44	7 1	19 8	1 3	7 15	1 19	0 26	2 37	20 38	0 39	3 59	1 52	31 39	10 14	1 1	1 19	24 29			n.a.
S 11	22 49	15 14	2 36	18 18	1 57	16 40	7 5	18 55	1 3	7 10	1 19	0 26	2 37	20 37	0 39	3 58	1 52	31 38	10 14	1 0	1 18	24 27			n.a.
S 12	22 42	20 28	3 32	18 2	2 14	16 37	7 8	18 41	1 3	7 6	1 18	0 26	2 38	20 36	0 39	3 58	1 52	31 38	10 14	0 59	1 17	24 25			n.a.
M13	22 34	24 47	4 18	17 49	2 30	16 35	7 10	18 28	1 2	7 2	1 18	0 26	2 38	20 35	0 39	3 57	1 52	31 38	10 14	0 57	1 15	24 23			n.a.
T 14	22 26	27 43	4 49	17 39	2 46	16 33	7 12	18 14	1 2	6 57	1 18	0 26	2 38	20 35	0 39	3 57	1 52	31 38	10 14	0 53	1 14	24 21			n.a.
W15	22 17	28 46	5 1	17 32	3 1	16 32	7 13	18 1	1 1	6 53	1 18	0 26	2 38	20 34	0 39	3 56	1 51	31 37	10 14	0 49	1 13	24 19			n.a.
T 16	22 8	27 41	4 53	17 29	3 14	16 31	7 14	17 47	1 1	6 48	1 17	0 26	2 39	20 33	0 39	3 56	1 51	31 37	10 15	0 45	1 12	24 17			n.a.
F 17	21 58	24 32	4 24	17 28	3 25	16 32	7 13	17 32	1 1	6 44	1 17	0 26	2 39	20 32	0 39	3 55	1 51	31 37	10 15	0 41	1 10	24 15			n.a.
S 18	21 48	19 39	3 36	17 30	3 35	16 33	7 12	17 18	1 0	6 39	1 17	0 26	2 39	20 32	0 39	3 55	1 51	31 36	10 15	0 37	1 9	24 13			n.a.
S 19	21 38	13 37	2 34	17 34	3 42	16 34	7 11	17 4	1 0	6 35	1 17	0 26	2 39	20 31	0 39	3 54	1 51	31 36	10 15	0 35	1 8	24 11			n.a.
M20	21 27	6 58	1 22	17 41	3 47	16 36	7 9	16 49	0 59	6 30	1 17	0 26	2 40	20 30	0 39	3 53	1 51	31 36	10 15	0 34	1 6	24 9			n.a.
T 21	21 16	0 10	0 8	17 50	3 50	16 39	7 6	16 34	0 59	6 25	1 16	0 25	2 40	20 29	0 39	3 53	1 51	31 36	10 15	0 33	1 5	24 7			n.a.
W22	21 5	6 s26	1 s 5	18 0	3 51	16 42	7 3	16 19	0 58	6 20	1 16	0 25	2 40	20 28	0 39	3 52	1 51	31 35	10 15	0 33	1 4	24 5			n.a.
T 23	20 53	12 33	2 12	18 12	3 49	16 45	6 59	16 4	0 58	6 16	1 16	0 25	2 41	20 28	0 39	3 52	1 51	31 35	10 15	0 33	1 3	24 3			n.a.
F 24	20 40	17 57	3 10	18 25	3 45	16 49	6 55	15 49	0 57	6 11	1 16	0 24	2 41	20 27	0 39	3 51	1 51	31 35	10 15	0 33	1 1	24 1			n.a.
S 25	20 28	22 27	3 57	18 39	3 40	16 54	6 51	15 34	0 57	6 6	1 16	0 24	2 41	20 26	0 39	3 50	1 51	31 34	10 15	0 32	1 0	23 59			n.a.
S 26	20 15	25 51	4 33	18 53	3 33	16 58	6 46	15 18	0 56	6 1	1 16	0 24	2 41	20 25	0 39	3 50	1 51	31 34	10 15	0 30	0 59	23 57			n.a.
M27	20 1	28 0	4 55	19 8	3 24	17 3	6 41	15 3	0 56	5 56	1 15	0 23	2 42	20 24	0 39	3 49	1 51	31 34	10 15	0 27	0 58	23 55			n.a.
T 28	19 47	28 48	5 4	19 22	3 14	17 9	6 36	14 47	0 55	5 51	1 15	0 23	2 42	20 24	0 39	3 48	1 51	31 34	10 15	0 23	0 56	23 53			n.a.
W29	19 33	28 15	4 59	19 37	3 4	17 14	6 31	14 31	0 55	5 46	1 15	0 22	2 42	20 23	0 39	3 48	1 51	31 33	10 15	0 19	0 55	23 51			n.a.
T 30	19 19	26 24	4 41	19 52	2 52	17 20	6 25	14 15	0 54	5 41	1 15	0 21	2 42	20 22	0 39	3 47	1 51	31 33	10 15	0 14	0 54	23 49			n.a.
F 31	19 s 4	23 s23	4 s12	20 s 6	2n40	17 s26	6n19	13 s59	0 s54	5 s36	1 s15	0 s21	2n43	20 s21	0 s39	3 s46	1 s51	31 s33	10 s16	0n10	0n52	23 s47			n.a.

Julian Day Number = 1563269.5, Delta T = 04h22m43s
Ecliptic obliquity = 23°45'00, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'08, Lahiri = - 9°56'08 Julian Calendar 1 Jan. 433 BCE == Greg. Calendar 27 Dec. 434 BCE

The year -432 astronomical counting style corresponds to year 433 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

FEBRUARY 433 BCE (-432) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 19 53	6♒47'54	16♒37	16°R 9	0♑19	26♒24	19♓ 4	7°R 2	3♒ 8	24♓51	24♑40	0°R15	2♈ 7	4♒ 0	n.a.	S 1
S 2	8 23 50	7°47'56	28°28	16°D 5	0°41	27°10	19°16	7♎ 0	3°12	24°52	24°42	0♈ 7	2° 4	4° 7	n.a.	S 2
M 3	8 27 46	8°47'56	10♓22	16♑ 8	1° 5	27°56	19°29	6°59	3°15	24°54	24°43	0° 3	2° 1	4°14	n.a.	M 3
T 4	8 31 43	9°47'55	22°22	16°17	1°31	28°41	19°41	6°58	3°19	24°56	24°45	0° 1	1°57	4°20	n.a.	T 4
W 5	8 35 39	10°47'51	4♈30	16°31	1°58	29°27	19°54	6°56	3°22	24°57	24°47	0°D 0	1°54	4°27	n.a.	W 5
T 6	8 39 36	11°47'44	16°50	16°51	2°27	0♓13	20° 7	6°55	3°25	24°59	24°48	0° 1	1°51	4°34	n.a.	T 6
F 7	8 43 33	12°47'36	29°27	17°16	2°57	0°58	20°19	6°53	3°29	25° 1	24°50	0° 3	1°48	4°41	n.a.	F 7
S 8	8 47 29	13°47'25	12♉24	17°46	3°29	1°44	20°32	6°51	3°32	25° 3	24°52	0°R 3	1°45	4°47	n.a.	S 8
S 9	8 51 26	14°47'12	25°46	18°21	4° 3	2°29	20°45	6°50	3°36	25° 5	24°53	0° 3	1°42	4°54	n.a.	S 9
M10	8 55 22	15°46'56	9♊35	18°59	4°38	3°14	20°58	6°48	3°39	25° 6	24°55	0° 0	1°38	5° 1	n.a.	M10
T 11	8 59 19	16°46'38	23°52	19°42	5°14	4° 0	21°11	6°46	3°42	25° 8	24°57	29♓56	1°35	5° 7	n.a.	T 11
W12	9 3 15	17°46'18	8♋34	20°28	5°51	4°45	21°24	6°44	3°46	25°10	24°58	29°51	1°32	5°14	n.a.	W12
T 13	9 7 12	18°45'56	23°37	21°17	6°29	5°30	21°37	6°41	3°49	25°12	25° 0	29°44	1°29	5°21	n.a.	T 13
F 14	9 11 8	19°45'31	8♌51	22°10	7° 9	6°16	21°51	6°39	3°52	25°14	25° 1	29°38	1°26	5°28	n.a.	F 14
S 15	9 15 5	20°45'03	24° 7	23° 6	7°50	7° 1	22° 4	6°37	3°56	25°16	25° 3	29°33	1°22	5°34	n.a.	S 15
S 16	9 19 2	21°44'34	9♍13	24° 5	8°32	7°46	22°17	6°34	3°59	25°18	25° 5	29°30	1°19	5°41	n.a.	S 16
M17	9 22 58	22°44'03	24° 1	25° 6	9°15	8°31	22°31	6°32	4° 2	25°20	25° 6	29°D28	1°16	5°48	n.a.	M17
T 18	9 26 55	23°43'29	8♎24	26°10	9°58	9°16	22°44	6°29	4° 6	25°22	25° 8	29°29	1°13	5°54	n.a.	T 18
W19	9 30 51	24°42'54	22°20	27°16	10°43	10° 1	22°57	6°26	4° 9	25°24	25° 9	29°30	1°10	6° 1	n.a.	W19
T 20	9 34 48	25°42'17	5♏48	28°25	11°29	10°46	23°11	6°24	4°12	25°26	25°11	29°31	1° 7	6° 8	n.a.	T 20
F 21	9 38 44	26°41'38	18°51	29°36	12°16	11°31	23°24	6°21	4°16	25°28	25°12	29°33	1° 3	6°14	n.a.	F 21
S 22	9 42 41	27°40'57	1♐31	0♒49	13° 3	12°16	23°38	6°18	4°19	25°30	25°14	29°R33	1° 0	6°21	n.a.	S 22
S 23	9 46 37	28°40'14	13°54	2° 4	13°51	13° 0	23°52	6°15	4°22	25°32	25°15	29°32	0°57	6°28	n.a.	S 23
M24	9 50 34	29°39'30	26° 2	3°21	14°40	13°45	24° 5	6°12	4°25	25°34	25°17	29°29	0°54	6°34	n.a.	M24
T 25	9 54 30	0♓38'43	8♑ 1	4°39	15°30	14°30	24°19	6° 8	4°28	25°36	25°18	29°25	0°51	6°41	n.a.	T 25
W26	9 58 27	1°37'55	19°54	6° 0	16°21	15°15	24°33	6° 5	4°32	25°38	25°20	29°21	0°48	6°48	n.a.	W26
T 27	10 2 24	2°37'05	1♒44	7°22	17°12	15°59	24°46	6° 2	4°35	25°40	25°21	29°16	0°44	6°55	n.a.	T 27
F 28	10 6 20	3°36'12	13°34	8°46	18° 4	16°44	25° 0	5°58	4°38	25°42	25°23	29°11	0°41	7° 1	n.a.	F 28
S 29	10 10 17	4♓35'18	25♒26	10♒12	18♑56	17♓28	25♓14	5♎55	4♒41	25♓44	25♑24	29♓ 8	0♈38	7♒ 8	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s49	19s25	3s31	20s20	2n27	17s32	6n13	13s43	0s53	5s31	1s15	0s20	2n43	20s20	0s39	3s46	1s51	31s33	10s16	0n 6	0n51	23s45		n.a.
S 2	18 33	14 40	2 41	20 33	2 14	17 39	6 6	13 26	0 53	5 26	1 14	0 19	2 43	20 20	0 39	3 45	1 51	31 33	10 16	0 3	0 50	23 43		n.a.
M 3	18 18	9 22	1 44	20 45	2 1	17 45	6 0	13 10	0 52	5 21	1 14	0 19	2 43	20 19	0 39	3 44	1 51	31 32	10 16	0 1	0 49	23 41		n.a.
T 4	18 2	3 42	0 41	20 57	1 48	17 51	5 53	12 54	0 52	5 16	1 14	0 18	2 44	20 18	0 39	3 44	1 51	31 32	10 16	0 0	0 47	23 38		n.a.
W 5	17 45	2n11	0n24	21 9	1 35	17 58	5 46	12 37	0 51	5 11	1 14	0 17	2 44	20 17	0 39	3 43	1 50	31 32	10 16	0 0	0 46	23 36		n.a.
T 6	17 28	8 4	1 30	21 19	1 22	18 4	5 39	12 20	0 51	5 6	1 14	0 16	2 44	20 16	0 39	3 42	1 50	31 32	10 16	0 1	0 45	23 34		n.a.
F 7	17 11	13 47	2 32	21 29	1 9	18 11	5 32	12 3	0 50	5 0	1 14	0 15	2 44	20 16	0 39	3 41	1 50	31 31	10 16	0 1	0 43	23 32		n.a.
S 8	16 54	19 4	3 29	21 37	0 57	18 17	5 25	11 46	0 50	4 55	1 13	0 15	2 45	20 15	0 39	3 41	1 50	31 31	10 16	0 1	0 42	23 30		n.a.
S 9	16 37	23 35	4 16	21 45	0 44	18 23	5 18	11 29	0 49	4 50	1 13	0 14	2 45	20 14	0 39	3 40	1 50	31 31	10 17	0 1	0 41	23 28		n.a.
M10	16 19	26 57	4 50	21 51	0 32	18 29	5 11	11 12	0 49	4 45	1 13	0 13	2 45	20 13	0 39	3 39	1 50	31 31	10 17	0 0	0 40	23 26		n.a.
T 11	16 1	28 43	5 7	21 57	0 20	18 35	5 4	10 55	0 48	4 39	1 13	0 12	2 45	20 12	0 39	3 38	1 50	31 31	10 17	0s 2	0 38	23 23		n.a.
W12	15 42	28 33	5 6	22 1	0 9	18 41	4 56	10 38	0 48	4 34	1 13	0 11	2 46	20 12	0 39	3 38	1 50	31 31	10 17	0 4	0 37	23 21		n.a.
T 13	15 24	26 18	4 43	22 4	0s 2	18 47	4 49	10 21	0 47	4 28	1 13	0 9	2 46	20 11	0 39	3 37	1 50	31 30	10 17	0 6	0 36	23 19		n.a.
F 14	15 5	22 8	4 0	22 6	0 13	18 52	4 42	10 3	0 47	4 23	1 13	0 8	2 46	20 10	0 39	3 36	1 50	31 30	10 17	0 9	0 34	23 17		n.a.
S 15	14 46	16 29	3 0	22 7	0 23	18 57	4 34	9 46	0 46	4 18	1 12	0 7	2 46	20 9	0 39	3 35	1 50	31 30	10 17	0 11	0 33	23 15		n.a.
S 16	14 26	9 53	1 48	22 7	0 33	19 2	4 27	9 28	0 46	4 12	1 12	0 6	2 46	20 8	0 39	3 34	1 50	31 30	10 18	0 12	0 32	23 13		n.a.
M17	14 7	2 52	0 30	22 5	0 42	19 7	4 19	9 11	0 45	4 7	1 12	0 5	2 47	20 8	0 39	3 34	1 50	31 30	10 18	0 13	0 31	23 10		n.a.
T 18	13 47	4s 7	0s49	22 2	0 51	19 11	4 12	8 53	0 45	4 1	1 12	0 4	2 47	20 7	0 39	3 33	1 50	31 30	10 18	0 13	0 29	23 8		n.a.
W19	13 27	10 41	2 1	21 57	1 0	19 15	4 4	8 35	0 44	3 56	1 12	0 2	2 47	20 6	0 39	3 32	1 50	31 30	10 18	0 12	0 28	23 6		n.a.
T 20	13 7	16 32	3 5	21 51	1 8	19 19	3 57	8 18	0 43	3 50	1 12	0 1	2 47	20 5	0 39	3 31	1 50	31 29	10 18	0 12	0 27	23 4		n.a.
F 21	12 47	21 27	3 57	21 44	1 16	19 22	3 50	8 0	0 43	3 45	1 12	0n 0	2 47	20 5	0 39	3 30	1 50	31 29	10 19	0 11	0 26	23 2		n.a.
S 22	12 26	25 14	4 36	21 35	1 23	19 25	3 42	7 42	0 42	3 39	1 12	0 2	2 48	20 4	0 39	3 29	1 50	31 29	10 19	0 11	0 24	22 59		n.a.
S 23	12 5	27 45	5 1	21 25	1 30	19 27	3 35	7 24	0 42	3 34	1 11	0 3	2 48	20 3	0 39	3 29	1 50	31 29	10 19	0 11	0 23	22 57		n.a.
M24	11 44	28 53	5 12	21 13	1 37	19 30	3 27	7 6	0 41	3 28	1 11	0 5	2 48	20 2	0 39	3 28	1 50	31 29	10 19	0 12	0 22	22 55		n.a.
T 25	11 23	28 39	5 9	21 0	1 43	19 31	3 20	6 48	0 41	3 22	1 11	0 6	2 48	20 1	0 39	3 27	1 50	31 29	10 19	0 14	0 20	22 53		n.a.
W26	11 2	27 5	4 53	20 46	1 48	19 33	3 13	6 30	0 40	3 17	1 11	0 7	2 48	20 1	0 39	3 26	1 50	31 29	10 19	0 16	0 19	22 50		n.a.
T 27	10 40	24 19	4 24	20 30	1 53	19 33	3 6	6 12	0 39	3 11	1 11	0 9	2 49	20 0	0 39	3 25	1 50	31 29	10 20	0 18	0 18	22 48		n.a.
F 28	10 19	20 32	3 44	20 12	1 58	19 34	2 59	5 54	0 39	3 6	1 11	0 10	2 49	19 59	0 39	3 24	1 50	31 29	10 20	0 20	0 17	22 46		n.a.
S 29	9s57	15s56	2s54	19s53	2s 2	19s34	2n51	5s36	0s38	3s 0	1s11	0n12	2n49	19s59	0s39	3s23	1s50	31s29	10s20	0s21	0n15	22s44		n.a.

Julian Day Number = 1563300.5, Delta T = 04h22m41s
Ecliptic obliquity = 23°45'01, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'04, Lahiri = - 9°56'03 Julian Calendar 1 Feb. 433 BCE == Greg. Calendar 27 Jan. 433 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

MARCH 433 BCE (-432) JC — 00:00 UT

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

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	9s35	10s43	1s56	19s32	2s 6	19s33	2n44	5s18	0s38	2s54	1s11	0n14	2n49	19s58	0s39	3s22	1s50	31s28	10s20	0s22	0n14	22s41			n.a.
M 2	9 13	5 3	0 53	19 10	2 9	19 32	2 37	5 0	0 37	2 49	1 11	0 15	2 49	19 57	0 39	3 22	1 50	31 28	10 21	0 23	0 13	22 39			n.a.
T 3	8 51	0n51	0n14	18 46	2 12	19 31	2 30	4 42	0 37	2 43	1 11	0 17	2 49	19 56	0 39	3 21	1 50	31 28	10 21	0 23	0 11	22 37			n.a.
W 4	8 29	6 48	1 21	18 20	2 15	19 29	2 23	4 23	0 36	2 37	1 11	0 18	2 50	19 56	0 39	3 20	1 50	31 28	10 21	0 23	0 10	22 34			n.a.
T 5	8 6	12 35	2 25	17 53	2 17	19 27	2 17	4 5	0 35	2 32	1 10	0 20	2 50	19 55	0 39	3 19	1 50	31 28	10 21	0 22	0 9	22 32			n.a.
F 6	7 44	17 58	3 24	17 24	2 18	19 24	2 10	3 47	0 35	2 26	1 10	0 22	2 50	19 54	0 39	3 18	1 50	31 28	10 21	0 22	0 8	22 30			n.a.
S 7	7 21	22 39	4 13	16 54	2 19	19 20	2 3	3 29	0 34	2 20	1 10	0 23	2 50	19 53	0 39	3 17	1 50	31 28	10 22	0 21	0 6	22 28			n.a.
S 8	6 59	26 17	4 50	16 22	2 19	19 16	1 56	3 11	0 34	2 14	1 10	0 25	2 50	19 53	0 39	3 16	1 50	31 28	10 22	0 21	0 5	22 25			n.a.
M 9	6 36	28 30	5 12	15 48	2 19	19 12	1 50	2 52	0 33	2 9	1 10	0 27	2 50	19 52	0 39	3 15	1 50	31 28	10 22	0 21	0 4	22 23			n.a.
T 10	6 13	28 57	5 15	15 13	2 19	19 7	1 43	2 34	0 32	2 3	1 10	0 28	2 50	19 51	0 39	3 14	1 50	31 28	10 22	0 21	0 3	22 21			n.a.
W11	5 50	27 29	4 59	14 36	2 18	19 1	1 37	2 16	0 32	1 57	1 10	0 30	2 50	19 51	0 39	3 14	1 50	31 28	10 23	0 22	0 1	22 18			n.a.
T 12	5 27	24 7	4 24	13 58	2 16	18 55	1 30	1 58	0 31	1 51	1 10	0 32	2 51	19 50	0 40	3 13	1 50	31 28	10 23	0 22	0s 0	22 16			n.a.
F 13	5 4	19 8	3 30	13 18	2 14	18 49	1 24	1 40	0 31	1 46	1 10	0 34	2 51	19 49	0 40	3 12	1 50	31 28	10 23	0 23	0 1	22 14			n.a.
S 14	4 41	12 57	2 22	12 36	2 11	18 41	1 18	1 21	0 30	1 40	1 10	0 35	2 51	19 49	0 40	3 11	1 50	31 28	10 23	0 23	0 3	22 11			n.a.
S 15	4 18	6 4	1 4	11 53	2 8	18 34	1 12	1 3	0 30	1 34	1 10	0 37	2 51	19 48	0 40	3 10	1 50	31 28	10 24	0 24	0 4	22 9			n.a.
M16	3 54	1s 4	0s17	11 8	2 4	18 26	1 6	0 45	0 29	1 28	1 10	0 39	2 51	19 47	0 40	3 9	1 50	31 28	10 24	0 24	0 5	22 7			n.a.
T 17	3 31	7 59	1 35	10 22	2 0	18 17	1 0	0 27	0 28	1 22	1 10	0 41	2 51	19 47	0 40	3 8	1 50	31 28	10 24	0 23	0 6	22 4			n.a.
W18	3 8	14 20	2 45	9 34	1 55	18 8	0 54	0 9	0 28	1 17	1 10	0 43	2 51	19 46	0 40	3 7	1 50	31 28	10 25	0 23	0 8	22 2			n.a.
T 19	2 44	19 48	3 44	8 45	1 50	17 58	0 48	0n 9	0 27	1 11	1 9	0 44	2 51	19 46	0 40	3 6	1 50	31 28	10 25	0 23	0 9	21 59			n.a.
F 20	2 21	24 8	4 29	7 54	1 44	17 48	0 42	0 27	0 27	1 5	1 9	0 46	2 51	19 45	0 40	3 5	1 50	31 28	10 25	0 23	0 10	21 57			n.a.
S 21	1 58	27 10	5 0	7 1	1 38	17 37	0 36	0 45	0 26	0 59	1 9	0 48	2 51	19 44	0 40	3 4	1 50	31 29	10 25	0 23	0 12	21 55			n.a.
S 22	1 34	28 46	5 15	6 8	1 31	17 26	0 31	1 3	0 25	0 54	1 9	0 50	2 51	19 44	0 40	3 4	1 50	31 29	10 26	0 23	0 13	21 52			n.a.
M23	1 11	28 56	5 16	5 13	1 24	17 14	0 25	1 21	0 25	0 48	1 9	0 52	2 51	19 43	0 40	3 3	1 50	31 29	10 26	0 23	0 14	21 50			n.a.
T 24	0 47	27 43	5 3	4 16	1 16	17 2	0 20	1 39	0 24	0 42	1 9	0 53	2 51	19 43	0 40	3 2	1 50	31 29	10 26	0 23	0 15	21 47			n.a.
W25	0 24	25 16	4 37	3 19	1 7	16 49	0 15	1 57	0 23	0 36	1 9	0 55	2 51	19 42	0 40	3 1	1 50	31 29	10 26	0 23	0 17	21 45			n.a.
T 26	0 0	21 44	3 59	2 20	0 58	16 35	0 9	2 15	0 23	0 30	1 9	0 57	2 51	19 41	0 40	3 0	1 50	31 29	10 27	0 23	0 18	21 43			n.a.
F 27	0n23	17 21	3 11	1 21	0 49	16 22	0 4	2 33	0 22	0 25	1 9	0 59	2 51	19 41	0 40	2 59	1 50	31 29	10 27	0 23	0 19	21 40			n.a.
S 28	0 46	12 15	2 15	0 21	0 40	16 7	0s 1	2 51	0 22	0 19	1 9	1 1	2 51	19 40	0 40	2 58	1 50	31 29	10 27	0 22	0 21	21 38			n.a.
S 29	1 10	6 40	1 12	0n40	0 30	15 52	0 6	3 8	0 21	0 13	1 9	1 2	2 51	19 40	0 40	2 57	1 50	31 29	10 28	0 22	0 22	21 35			n.a.
M30	1 33	0 46	0 4	1 41	0 19	15 37	0 10	3 26	0 20	0 7	1 9	1 4	2 51	19 39	0 40	2 56	1 50	31 29	10 28	0 22	0 23	21 33			n.a.
T 31	1n56	5n16	1n 4	2n42	0s 9	15s21	0s15	3n44	0s20	0s 2	1s 9	1n 6	2n51	19s39	0s40	2s55	1s50	31s30	10s28	0s22	0s24	21s31			n.a.

Julian Day Number = 1563329.5, Delta T = 04h22m40s
Ecliptic obliquity = 23°45'01, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°03'00, Lahiri = - 9°55'59 Julian Calendar 1 March 433 BCE == Greg. Calendar 25 Feb. 433 BCE

The year -432 astronomical counting style corresponds to year 433 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

APRIL 433 BCE (-432) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 16 26	5♈47'31	23♈20	9♈14	20♒42	10♈46	2♈47	3°R41	6♒ 6	26♓56	25♑59	29°R 4	28♓56	10♒42	n.a.	W 1
T 2	12 20 23	6°45'31	6♉11	11°24	21°47	11°29	3° 2	3♎37	6° 8	26°58	26° 0	29♓ 3	28°53	10°49	n.a.	T 2
F 3	12 24 19	7°43'29	19°16	13°33	22°51	12°12	3°16	3°32	6°10	27° 0	26° 1	29° 2	28°50	10°56	n.a.	F 3
S 4	12 28 16	8°41'26	2♊35	15°41	23°56	12°55	3°30	3°28	6°12	27° 3	26° 1	29° 1	28°47	11° 2	n.a.	S 4
S 5	12 32 13	9°39'20	16° 9	17°48	25° 1	13°37	3°44	3°23	6°14	27° 5	26° 2	29° 0	28°44	11° 9	n.a.	S 5
M 6	12 36 9	10°37'13	29°56	19°55	26° 6	14°20	3°59	3°19	6°16	27° 7	26° 3	28°59	28°40	11°16	n.a.	M 6
T 7	12 40 6	11°35'04	13♋57	21°59	27°11	15° 3	4°13	3°15	6°18	27° 9	26° 3	28°D59	28°37	11°22	n.a.	T 7
W 8	12 44 2	12°32'53	28° 9	24° 2	28°17	15°45	4°27	3°10	6°20	27°11	26° 4	29° 0	28°34	11°29	n.a.	W 8
T 9	12 47 59	13°30'40	12♌32	26° 2	29°23	16°28	4°41	3° 6	6°21	27°14	26° 5	29° 0	28°31	11°36	n.a.	T 9
F 10	12 51 55	14°28'25	27° 1	28° 1	0♓28	17°10	4°55	3° 1	6°23	27°16	26° 5	29° 2	28°28	11°42	n.a.	F 10
S 11	12 55 52	15°26'08	11♍33	29°57	1°34	17°53	5° 9	2°57	6°25	27°18	26° 6	29° 3	28°25	11°49	n.a.	S 11
S 12	12 59 48	16°23'50	26° 2	1♉50	2°40	18°35	5°24	2°53	6°26	27°20	26° 6	29°R 3	28°21	11°56	n.a.	S 12
M13	13 3 45	17°21'30	10♎24	3°40	3°47	19°17	5°38	2°48	6°28	27°22	26° 7	29° 3	28°18	12° 2	n.a.	M13
T 14	13 7 41	18°19'08	24°33	5°28	4°53	20° 0	5°52	2°44	6°30	27°24	26° 7	29° 2	28°15	12° 9	n.a.	T 14
W15	13 11 38	19°16'45	8♏24	7°12	5°59	20°42	6° 6	2°40	6°31	27°27	26° 8	28°59	28°12	12°16	n.a.	W15
T 16	13 15 35	20°14'21	21°56	8°53	7° 6	21°24	6°20	2°36	6°33	27°29	26° 8	28°57	28° 9	12°22	n.a.	T 16
F 17	13 19 31	21°11'56	5♐ 5	10°32	8°13	22° 6	6°34	2°32	6°34	27°31	26° 9	28°53	28° 5	12°29	n.a.	F 17
S 18	13 23 28	22° 9'30	17°54	12° 7	9°20	22°48	6°48	2°28	6°36	27°33	26° 9	28°50	28° 2	12°36	n.a.	S 18
S 19	13 27 24	23° 7'02	0♑23	13°38	10°27	23°30	7° 2	2°23	6°37	27°35	26° 9	28°48	27°59	12°43	n.a.	S 19
M20	13 31 21	24° 4'34	12°36	15° 7	11°34	24°12	7°16	2°19	6°38	27°37	26°10	28°46	27°56	12°49	n.a.	M20
T 21	13 35 17	25° 2'04	24°36	16°31	12°41	24°54	7°30	2°15	6°40	27°39	26°10	28°D45	27°53	12°56	n.a.	T 21
W22	13 39 14	25°59'34	6♒29	17°53	13°49	25°36	7°44	2°12	6°41	27°41	26°10	28°46	27°50	13° 3	n.a.	W22
T 23	13 43 11	26°57'03	18°20	19°11	14°56	26°18	7°57	2° 8	6°42	27°43	26°10	28°47	27°46	13° 9	n.a.	T 23
F 24	13 47 7	27°54'30	0♓13	20°26	16° 4	26°59	8°11	2° 4	6°43	27°45	26°11	28°49	27°43	13°16	n.a.	F 24
S 25	13 51 4	28°51'57	12°12	21°37	17°12	27°41	8°25	2° 0	6°44	27°47	26°11	28°50	27°40	13°23	n.a.	S 25
S 26	13 55 0	29°49'23	24°22	22°44	18°20	28°23	8°39	1°56	6°45	27°49	26°11	28°R51	27°37	13°29	n.a.	S 26
M27	13 58 57	0♉46'47	6♈46	23°48	19°28	29° 4	8°52	1°53	6°46	27°51	26°11	28°51	27°34	13°36	n.a.	M27
T 28	14 2 53	1°44'11	19°26	24°48	20°36	29°46	9° 6	1°49	6°47	27°53	26°11	28°50	27°31	13°43	n.a.	T 28
W29	14 6 50	2°41'34	2♉23	25°44	21°44	0♉28	9°20	1°45	6°48	27°55	26°11	28°46	27°27	13°49	n.a.	W29
T 30	14 10 46	3♉38'56	15♉37	26♉36	22♓52	1♉ 9	9♈33	1♎42	6♒49	27♓57	26♑11	28♓42	27♓24	13♒56	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	2n20	11n11	2n10	3n44	0n 2	15s 5	0s20	4n 1	0s19	0n 4	1s 9	1n 8	2n51	19s38	0s40	2s55	1s50	31s30	10s29	0s23	0s26	21s28		n.a.	W 1
T 2	2 43	16 45	3 11	4 45	0 12	14 49	0 24	4 19	0 19	0 10	1 9	1 10	2 51	19 38	0 40	2 54	1 50	31 30	10 29	0 23	0 27	21 26		n.a.	T 2
F 3	3 6	21 40	4 4	5 46	0 23	14 32	0 29	4 36	0 18	0 16	1 9	1 11	2 51	19 37	0 40	2 53	1 50	31 30	10 29	0 23	0 28	21 23		n.a.	F 3
S 4	3 29	25 35	4 44	6 46	0 34	14 14	0 33	4 54	0 17	0 21	1 9	1 13	2 51	19 37	0 40	2 52	1 50	31 30	10 29	0 24	0 29	21 21		n.a.	S 4
S 5	3 52	28 8	5 9	7 45	0 44	13 56	0 37	5 11	0 17	0 27	1 9	1 15	2 51	19 36	0 40	2 51	1 50	31 30	10 30	0 24	0 31	21 18		n.a.	S 5
M 6	4 15	29 1	5 16	8 44	0 55	13 38	0 41	5 29	0 16	0 33	1 9	1 17	2 51	19 36	0 40	2 50	1 50	31 30	10 30	0 24	0 32	21 16		n.a.	M 6
T 7	4 38	28 4	5 6	9 40	1 5	13 19	0 45	5 46	0 16	0 39	1 9	1 19	2 51	19 35	0 40	2 49	1 50	31 31	10 30	0 25	0 33	21 13		n.a.	T 7
W 8	5 1	25 18	4 36	10 36	1 15	13 0	0 49	6 3	0 15	0 44	1 9	1 20	2 51	19 35	0 40	2 48	1 50	31 31	10 31	0 24	0 35	21 11		n.a.	W 8
T 9	5 24	20 56	3 50	11 29	1 24	12 40	0 53	6 20	0 14	0 50	1 9	1 22	2 51	19 35	0 40	2 48	1 50	31 31	10 31	0 24	0 36	21 8		n.a.	T 9
F 10	5 47	15 17	2 48	12 21	1 33	12 20	0 57	6 37	0 14	0 56	1 9	1 24	2 51	19 34	0 40	2 47	1 50	31 31	10 31	0 24	0 37	21 6		n.a.	F 10
S 11	6 9	8 47	1 35	13 11	1 41	12 0	1 0	6 54	0 13	1 1	1 9	1 25	2 51	19 34	0 40	2 46	1 50	31 31	10 32	0 23	0 38	21 3		n.a.	S 11
S 12	6 32	1 51	0 17	13 58	1 49	11 39	1 4	7 11	0 12	1 7	1 9	1 27	2 51	19 33	0 40	2 45	1 50	31 32	10 32	0 23	0 40	21 1		n.a.	S 12
M13	6 54	5s 7	1s 2	14 43	1 56	11 18	1 7	7 28	0 12	1 13	1 9	1 29	2 51	19 33	0 40	2 44	1 50	31 32	10 32	0 23	0 41	20 58		n.a.	M13
T 14	7 16	11 44	2 16	15 26	2 3	10 56	1 11	7 44	0 11	1 18	1 9	1 30	2 51	19 33	0 41	2 43	1 50	31 32	10 33	0 24	0 42	20 56		n.a.	T 14
W15	7 38	17 39	3 20	16 7	2 9	10 34	1 14	8 1	0 11	1 24	1 9	1 32	2 51	19 32	0 41	2 42	1 50	31 32	10 33	0 24	0 44	20 53		n.a.	W15
T 16	8 1	22 32	4 11	16 45	2 14	10 12	1 17	8 18	0 10	1 30	1 9	1 34	2 51	19 32	0 41	2 42	1 50	31 32	10 33	0 26	0 45	20 51		n.a.	T 16
F 17	8 22	26 8	4 48	17 21	2 18	9 50	1 20	8 34	0 9	1 35	1 9	1 35	2 51	19 32	0 41	2 41	1 50	31 33	10 34	0 27	0 46	20 48		n.a.	F 17
S 18	8 44	28 19	5 9	17 55	2 22	9 27	1 23	8 51	0 9	1 41	1 9	1 37	2 50	19 31	0 41	2 40	1 50	31 33	10 34	0 28	0 47	20 46		n.a.	S 18
S 19	9 6	28 59	5 14	18 26	2 25	9 4	1 25	9 7	0 8	1 46	1 9	1 38	2 50	19 31	0 41	2 39	1 50	31 33	10 34	0 29	0 49	20 43		n.a.	S 19
M20	9 27	28 12	5 5	18 55	2 27	8 40	1 28	9 23	0 8	1 52	1 9	1 40	2 50	19 31	0 41	2 38	1 50	31 33	10 35	0 30	0 50	20 41		n.a.	M20
T 21	9 49	26 7	4 43	19 21	2 28	8 16	1 31	9 39	0 7	1 58	1 9	1 41	2 50	19 30	0 41	2 38	1 50	31 34	10 35	0 30	0 51	20 38		n.a.	T 21
W22	10 10	22 54	4 9	19 45	2 28	7 52	1 33	9 55	0 6	2 3	1 9	1 43	2 50	19 30	0 41	2 37	1 50	31 34	10 35	0 30	0 53	20 35		n.a.	W22
T 23	10 31	18 46	3 24	20 7	2 28	7 28	1 35	10 11	0 6	2 9	1 9	1 44	2 50	19 30	0 41	2 36	1 50	31 34	10 35	0 29	0 54	20 33		n.a.	T 23
F 24	10 52	13 53	2 31	20 26	2 27	7 4	1 38	10 27	0 5	2 14	1 9	1 46	2 50	19 30	0 41	2 35	1 50	31 34	10 36	0 29	0 55	20 30		n.a.	F 24
S 25	11 13	8 27	1 30	20 44	2 25	6 39	1 40	10 43	0 5	2 20	1 9	1 47	2 50	19 29	0 41	2 34	1 50	31 35	10 36	0 28	0 56	20 28		n.a.	S 25
S 26	11 33	2 38	0 25	20 58	2 22	6 14	1 42	10 59	0 4	2 25	1 9	1 48	2 49	19 29	0 41	2 34	1 50	31 35	10 36	0 28	0 58	20 25		n.a.	S 26
M27	11 54	3n23	0n43	21 11	2 18	5 49	1 44	11 14	0 3	2 30	1 9	1 50	2 49	19 29	0 41	2 33	1 50	31 35	10 37	0 28	0 59	20 23		n.a.	M27
T 28	12 14	9 24	1 50	21 22	2 13	5 23	1 46	11 30	0 3	2 36	1 9	1 51	2 49	19 29	0 41	2 32	1 50	31 36	10 37	0 28	1 0	20 20		n.a.	T 28
W29	12 34	15 9	2 53	21 30	2 8	4 58	1 47	11 45	0 2	2 41	1 9	1 52	2 49	19 29	0 41	2 31	1 50	31 36	10 37	0 30	1 1	20 17		n.a.	W29
T 30	12n54	20n21	3n47	21n37	2n 1	4s32	1s49	12n 0	0s 1	2n47	1s 9	1n54	2n49	19s28	0s41	2s31	1s50	31s36	10s38	0s32	1s 3	20s15		n.a.	T 30

Julian Day Number = 1563360.5, Delta T = 04h22m39s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'56, Lahiri = - 9°55'55 Julian Calendar 1 Apr. 433 BCE == Greg. Calendar 27 March 433 BCE

The year -432 astronomical counting style corresponds to year 433 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

MAY 433 BCE (-432) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 14 43	4♉36'17	29♉ 7	27♉24	24♓ 1	1♉51	9♈47	1°R39	6♒50	27♓59	26♊11	28°R36	27♓21	14♒ 3	n.a.	F 1
S 2	14 18 40	5°33'37	12♊50	28° 8	25° 9	2°32	10° 1	1♎35	6°51	28° 1	26°R11	28♓31	27°18	14° 9	n.a.	S 2
S 3	14 22 36	6°30'56	26°45	28°49	26°18	3°13	10°14	1°32	6°51	28° 3	26°11	28°25	27°15	14°16	n.a.	S 3
M 4	14 26 33	7°28'14	10♋47	29°24	27°26	3°55	10°27	1°29	6°52	28° 5	26°11	28°21	27°11	14°23	n.a.	M 4
T 5	14 30 29	8°25'31	24°55	29°56	28°35	4°36	10°41	1°26	6°53	28° 6	26°11	28°19	27° 8	14°29	n.a.	T 5
W 6	14 34 26	9°22'46	9♌ 5	0♊23	29°44	5°17	10°54	1°23	6°53	28° 8	26°11	28°D18	27° 5	14°36	n.a.	W 6
T 7	14 38 22	10°20'01	23°17	0°46	0♈53	5°58	11° 7	1°20	6°54	28°10	26°11	28°19	27° 2	14°43	n.a.	T 7
F 8	14 42 19	11°17'14	7♍27	1° 4	2° 2	6°39	11°21	1°17	6°54	28°12	26°11	28°20	26°59	14°50	n.a.	F 8
S 9	14 46 15	12°14'27	21°35	1°18	3°11	7°20	11°34	1°14	6°55	28°13	26°11	28°R21	26°56	14°56	n.a.	S 9
S 10	14 50 12	13°11'38	5♎38	1°27	4°20	8° 1	11°47	1°11	6°55	28°15	26°11	28°21	26°52	15° 3	n.a.	S 10
M11	14 54 9	14° 8'48	19°33	1°R32	5°29	8°42	12° 0	1° 8	6°55	28°17	26°10	28°19	26°49	15°10	n.a.	M11
T 12	14 58 5	15° 5'58	3♏19	1°32	6°38	9°23	12°13	1° 6	6°56	28°19	26°10	28°15	26°46	15°16	n.a.	T 12
W13	15 2 2	16° 3'08	16°52	1°27	7°48	10° 4	12°26	1° 3	6°56	28°20	26°10	28° 9	26°43	15°23	n.a.	W13
T 14	15 5 58	17° 0'16	0♐10	1°18	8°57	10°45	12°39	1° 1	6°56	28°22	26°10	28° 2	26°40	15°30	n.a.	T 14
F 15	15 9 55	17°57'25	13°10	1° 5	10° 6	11°26	12°52	0°58	6°56	28°24	26° 9	27°53	26°36	15°36	n.a.	F 15
S 16	15 13 51	18°54'33	25°54	0°48	11°16	12° 7	13° 5	0°56	6°56	28°25	26° 9	27°45	26°33	15°43	n.a.	S 16
S 17	15 17 48	19°51'41	8♑20	0°27	12°26	12°47	13°18	0°54	6°R56	28°27	26° 9	27°37	26°30	15°50	n.a.	S 17
M18	15 21 44	20°48'48	20°32	0° 3	13°35	13°28	13°30	0°52	6°56	28°28	26° 8	27°31	26°27	15°56	n.a.	M18
T 19	15 25 41	21°45'56	2♒32	29♉36	14°45	14° 9	13°43	0°50	6°56	28°30	26° 8	27°27	26°24	16° 3	n.a.	T 19
W20	15 29 38	22°43'03	14°25	29° 6	15°55	14°49	13°55	0°48	6°56	28°31	26° 7	27°25	26°21	16°10	n.a.	W20
T 21	15 33 34	23°40'10	26°15	28°34	17° 5	15°30	14° 8	0°46	6°56	28°33	26° 7	27°D24	26°17	16°16	n.a.	T 21
F 22	15 37 31	24°37'17	8♓ 8	28° 1	18°15	16°10	14°20	0°44	6°56	28°34	26° 6	27°25	26°14	16°23	n.a.	F 22
S 23	15 41 27	25°34'24	20° 9	27°26	19°25	16°51	14°33	0°42	6°55	28°36	26° 6	27°26	26°11	16°30	n.a.	S 23
S 24	15 45 24	26°31'31	2♈22	26°51	20°35	17°31	14°45	0°41	6°55	28°37	26° 5	27°R26	26° 8	16°36	n.a.	S 24
M25	15 49 20	27°28'38	14°53	26°16	21°46	18°12	14°57	0°39	6°55	28°38	26° 5	27°24	26° 5	16°43	n.a.	M25
T 26	15 53 17	28°25'46	27°43	25°42	22°56	18°52	15° 9	0°38	6°54	28°40	26° 4	27°21	26° 2	16°50	n.a.	T 26
W27	15 57 13	29°22'53	10♉56	25° 9	24° 6	19°32	15°22	0°37	6°54	28°41	26° 4	27°15	25°58	16°56	n.a.	W27
T 28	16 1 10	0♊20'00	24°31	24°38	25°17	20°12	15°34	0°35	6°53	28°42	26° 3	27° 7	25°55	17° 3	n.a.	T 28
F 29	16 5 7	1°17'08	8♊26	24° 9	26°27	20°53	15°45	0°34	6°53	28°44	26° 3	26°57	25°52	17°10	n.a.	F 29
S 30	16 9 3	2°14'15	22°36	23°43	27°38	21°33	15°57	0°33	6°52	28°45	26° 2	26°47	25°49	17°16	n.a.	S 30
S 31	16 13 0	3♊11'23	6♋57	23♉21	28♈48	22♉13	16♈ 9	0♎32	6♒52	28♓46	26♑ 1	26♓37	25♓46	17♒23	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n13	24n37	4n30	21n41	1n54	4s 6	1s50	12n15	0s 1	2n52	1s 9	1n55	2n49	19s28	0s41	2s30	1s50	31s37	10s38	0s34	1s 4	20s12		n.a.
S 2	13 33	27 34	4 59	21 43	1 46	3 39	1 52	12 30	0 0	2 57	1 9	1 56	2 49	19 28	0 41	2 29	1 50	31 37	10 38	0 36	1 5	20 10		n.a.
S 3	13 52	28 53	5 10	21 44	1 37	3 13	1 53	12 45	0n 0	3 3	1 9	1 57	2 48	19 28	0 41	2 28	1 51	31 37	10 39	0 38	1 7	20 7		n.a.
M 4	14 11	28 20	5 3	21 42	1 27	2 47	1 54	13 0	0 1	3 8	1 9	1 58	2 48	19 28	0 41	2 28	1 51	31 37	10 39	0 40	1 8	20 4		n.a.
T 5	14 30	25 58	4 38	21 39	1 16	2 20	1 56	13 15	0 2	3 13	1 9	1 59	2 48	19 28	0 41	2 27	1 51	31 38	10 39	0 41	1 9	20 2		n.a.
W 6	14 48	21 59	3 55	21 33	1 5	1 53	1 57	13 29	0 2	3 18	1 9	2 0	2 48	19 27	0 41	2 26	1 51	31 38	10 40	0 41	1 10	19 59		n.a.
T 7	15 7	16 44	2 58	21 26	0 53	1 26	1 57	13 44	0 3	3 24	1 9	2 1	2 48	19 27	0 41	2 26	1 51	31 38	10 40	0 41	1 12	19 57		n.a.
F 8	15 25	10 36	1 51	21 17	0 40	0 59	1 58	13 58	0 3	3 29	1 9	2 2	2 47	19 27	0 41	2 25	1 51	31 39	10 40	0 40	1 13	19 54		n.a.
S 9	15 43	3 56	0 37	21 7	0 26	0 32	1 59	14 12	0 4	3 34	1 10	2 3	2 47	19 27	0 41	2 24	1 51	31 39	10 41	0 40	1 14	19 51		n.a.
S 10	16 0	2s52	0s39	20 55	0 12	0 5	2 0	14 26	0 5	3 39	1 10	2 4	2 47	19 27	0 42	2 24	1 51	31 40	10 41	0 40	1 16	19 49		n.a.
M11	16 17	9 28	1 52	20 41	0s 3	0n22	2 0	14 40	0 5	3 44	1 10	2 5	2 47	19 27	0 42	2 23	1 51	31 40	10 41	0 41	1 17	19 46		n.a.
T 12	16 35	15 33	2 57	20 26	0 19	0 50	2 1	14 54	0 6	3 49	1 10	2 6	2 47	19 27	0 42	2 22	1 51	31 40	10 42	0 42	1 18	19 43		n.a.
W13	16 51	20 47	3 51	20 9	0 35	1 17	2 1	15 8	0 6	3 54	1 10	2 7	2 46	19 27	0 42	2 22	1 51	31 41	10 42	0 45	1 19	19 41		n.a.
T 14	17 8	24 52	4 31	19 51	0 51	1 44	2 1	15 21	0 7	3 59	1 10	2 8	2 46	19 27	0 42	2 21	1 51	31 41	10 42	0 48	1 21	19 38		n.a.
F 15	17 24	27 35	4 57	19 33	1 7	2 12	2 1	15 35	0 8	4 4	1 10	2 8	2 46	19 27	0 42	2 21	1 51	31 41	10 43	0 51	1 22	19 35		n.a.
S 16	17 40	28 47	5 6	19 13	1 24	2 39	2 1	15 48	0 8	4 9	1 10	2 9	2 46	19 27	0 42	2 20	1 51	31 42	10 43	0 55	1 23	19 33		n.a.
S 17	17 56	28 30	5 1	18 52	1 41	3 7	2 1	16 1	0 9	4 14	1 10	2 10	2 46	19 27	0 42	2 19	1 51	31 42	10 43	0 58	1 24	19 30		n.a.
M18	18 11	26 49	4 42	18 31	1 57	3 34	2 1	16 14	0 9	4 19	1 10	2 11	2 45	19 27	0 42	2 19	1 51	31 42	10 43	1 0	1 26	19 27		n.a.
T 19	18 27	23 55	4 11	18 9	2 14	4 2	2 1	16 27	0 10	4 24	1 10	2 11	2 45	19 27	0 42	2 18	1 51	31 43	10 44	1 2	1 27	19 25		n.a.
W20	18 41	20 3	3 30	17 47	2 30	4 29	2 1	16 40	0 11	4 29	1 10	2 12	2 45	19 27	0 42	2 18	1 51	31 43	10 44	1 2	1 28	19 22		n.a.
T 21	18 56	15 25	2 39	17 25	2 45	4 57	2 0	16 52	0 11	4 34	1 10	2 12	2 45	19 27	0 42	2 17	1 51	31 44	10 44	1 3	1 30	19 19		n.a.
F 22	19 10	10 12	1 42	17 4	2 59	5 24	2 0	17 5	0 12	4 39	1 10	2 13	2 44	19 27	0 42	2 17	1 51	31 44	10 45	1 2	1 31	19 16		n.a.
S 23	19 24	4 33	0 39	16 42	3 13	5 51	1 59	17 17	0 12	4 43	1 10	2 13	2 44	19 28	0 42	2 16	1 51	31 44	10 45	1 2	1 32	19 14		n.a.
S 24	19 38	1n21	0n26	16 22	3 26	6 19	1 59	17 29	0 13	4 48	1 11	2 14	2 44	19 28	0 42	2 16	1 52	31 45	10 45	1 2	1 33	19 11		n.a.
M25	19 51	7 21	1 32	16 3	3 38	6 46	1 58	17 41	0 14	4 53	1 11	2 14	2 44	19 28	0 42	2 15	1 52	31 45	10 46	1 3	1 35	19 8		n.a.
T 26	20 4	13 12	2 34	15 45	3 48	7 13	1 57	17 53	0 14	4 58	1 11	2 14	2 43	19 28	0 42	2 15	1 52	31 46	10 46	1 4	1 36	19 6		n.a.
W27	20 17	18 38	3 30	15 28	3 57	7 40	1 56	18 5	0 15	5 2	1 11	2 15	2 43	19 28	0 42	2 14	1 52	31 46	10 46	1 7	1 37	19 3		n.a.
T 28	20 29	23 16	4 16	15 13	4 5	8 7	1 55	18 16	0 15	5 7	1 11	2 15	2 43	19 28	0 42	2 14	1 52	31 46	10 46	1 10	1 39	19 0		n.a.
F 29	20 41	26 43	4 47	15 0	4 11	8 34	1 54	18 28	0 16	5 11	1 11	2 15	2 43	19 28	0 42	2 13	1 52	31 47	10 47	1 14	1 40	18 57		n.a.
S 30	20 53	28 34	5 2	14 49	4 16	9 0	1 53	18 39	0 17	5 16	1 11	2 15	2 42	19 29	0 42	2 13	1 52	31 47	10 47	1 18	1 41	18 55		n.a.
S 31	21n 4	28n31	4n58	14n40	4s19	9n27	1s52	18n50	0n17	5n20	1s11	2n15	2n42	19s29	0s42	2s12	1s52	31s48	10s47	1s22	1s42	18s52		n.a.

Julian Day Number = 1563390.5, Delta T = 04h22m38s
Ecliptic obliquity = 23°45'01, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'52, Lahiri = - 9°55'51 Julian Calendar 1 May 433 BCE == Greg. Calendar 26 Apr. 433 BCE

The year -432 astronomical counting style corresponds to year 433 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

JUNE 433 BCE (-432) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 16 56	4♊ 8'30	21♋22	23°R 2	29♈59	22♉53	16♈21	0°R31	6°R51	28♓47	26°R 1	26°R30	25♓42	17♒30	n.a.	M 1
T 2	16 20 53	5° 5'37	5♌46	22♉48	1♉ 9	23°33	16°32	0♎31	6♒50	28°48	26♑ 0	26♓24	25°39	17°36	n.a.	T 2
W 3	16 24 49	6° 2'44	20° 5	22°38	2°20	24°13	16°44	0°30	6°50	28°50	25°59	26°22	25°36	17°43	n.a.	W 3
T 4	16 28 46	6°59'50	4♍17	22°32	3°31	24°53	16°55	0°29	6°49	28°51	25°58	26°D21	25°33	17°50	n.a.	T 4
F 5	16 32 43	7°56'57	18°18	22°D32	4°42	25°33	17° 7	0°29	6°48	28°52	25°58	26°21	25°30	17°56	n.a.	F 5
S 6	16 36 39	8°54'03	2♎10	22°36	5°53	26°13	17°18	0°29	6°47	28°53	25°57	26°R21	25°27	18° 3	n.a.	S 6
S 7	16 40 36	9°51'09	15°53	22°46	7° 4	26°53	17°29	0°28	6°46	28°54	25°56	26°19	25°23	18°10	n.a.	S 7
M 8	16 44 32	10°48'16	29°25	23° 1	8°15	27°33	17°40	0°28	6°45	28°55	25°55	26°16	25°20	18°17	n.a.	M 8
T 9	16 48 29	11°45'23	12♏47	23°21	9°26	28°12	17°51	0°D28	6°44	28°56	25°54	26°10	25°17	18°23	n.a.	T 9
W10	16 52 25	12°42'29	25°57	23°46	10°37	28°52	18° 2	0°28	6°43	28°57	25°53	26° 1	25°14	18°30	n.a.	W10
T 11	16 56 22	13°39'37	8♐56	24°17	11°48	29°32	18°13	0°28	6°42	28°58	25°53	25°50	25°11	18°37	n.a.	T 11
F 12	17 0 18	14°36'44	21°41	24°52	12°59	0♊11	18°24	0°28	6°41	28°58	25°52	25°37	25° 8	18°43	n.a.	F 12
S 13	17 4 15	15°33'53	4♑13	25°34	14°11	0°51	18°34	0°29	6°40	28°59	25°51	25°25	25° 4	18°50	n.a.	S 13
S 14	17 8 12	16°31'01	16°31	26°20	15°22	1°31	18°45	0°29	6°38	29° 0	25°50	25°13	25° 1	18°57	n.a.	S 14
M15	17 12 8	17°28'11	28°38	27°11	16°33	2°10	18°55	0°30	6°37	29° 1	25°49	25° 3	24°58	19° 3	n.a.	M15
T 16	17 16 5	18°25'21	10♒35	28° 8	17°45	2°50	19° 6	0°30	6°36	29° 1	25°48	24°56	24°55	19°10	n.a.	T 16
W17	17 20 1	19°22'32	22°26	29° 9	18°56	3°29	19°16	0°31	6°34	29° 2	25°47	24°51	24°52	19°17	n.a.	W17
T 18	17 23 58	20°19'43	4♓14	0♊16	20° 8	4° 9	19°26	0°32	6°33	29° 3	25°46	24°49	24°48	19°23	n.a.	T 18
F 19	17 27 54	21°16'56	16° 6	1°27	21°20	4°48	19°36	0°33	6°31	29° 4	25°45	24°48	24°45	19°30	n.a.	F 19
S 20	17 31 51	22°14'10	28° 6	2°43	22°31	5°27	19°46	0°34	6°30	29° 4	25°44	24°48	24°42	19°37	n.a.	S 20
S 21	17 35 48	23°11'24	10♈19	4° 3	23°43	6° 7	19°55	0°35	6°28	29° 5	25°43	24°48	24°39	19°43	n.a.	S 21
M22	17 39 44	24° 8'40	22°51	5°29	24°55	6°46	20° 5	0°36	6°27	29° 5	25°42	24°46	24°36	19°50	n.a.	M22
T 23	17 43 41	25° 5'56	5♉46	6°58	26° 7	7°25	20°15	0°37	6°25	29° 6	25°41	24°42	24°33	19°57	n.a.	T 23
W24	17 47 37	26° 3'14	19° 7	8°32	27°19	8° 5	20°24	0°38	6°24	29° 6	25°40	24°35	24°29	20° 3	n.a.	W24
T 25	17 51 34	27° 0'33	2♊55	10°10	28°31	8°44	20°33	0°40	6°22	29° 7	25°38	24°26	24°26	20°10	n.a.	T 25
F 26	17 55 30	27°57'53	17° 7	11°51	29°43	9°23	20°43	0°41	6°20	29° 7	25°37	24°15	24°23	20°17	n.a.	F 26
S 27	17 59 27	28°55'13	1♋40	13°37	0♊55	10° 2	20°52	0°43	6°19	29° 7	25°36	24° 3	24°20	20°23	n.a.	S 27
S 28	18 3 23	29°52'35	16°25	15°25	2° 7	10°41	21° 1	0°45	6°17	29° 8	25°35	23°53	24°17	20°30	n.a.	S 28
M29	18 7 20	0♋49'58	1♌14	17°17	3°19	11°20	21° 9	0°47	6°15	29° 8	25°34	23°44	24°14	20°37	n.a.	M29
T 30	18 11 17	1♋47'21	16♌ 0	19♊11	4♊31	11♊59	21♈18	0♎49	6♒13	29♓ 8	25♑33	23♓37	24♓10	20♒43	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n15	26n33	4n35	14n34	4s21	9n53	1s51	19n 1	0n18	5n25	1s11	2n16	2n42	19s29	0s42	2s12	1s52	31s48	10s48	1s25	1s44	18s49		n.a.
T 2	21 26	22 52	3 55	14 30	4 21	10 19	1 50	19 12	0 18	5 29	1 11	2 16	2 42	19 29	0 42	2 11	1 52	31 48	10 48	1 27	1 45	18 46		n.a.
W 3	21 36	17 49	3 0	14 28	4 21	10 45	1 48	19 23	0 19	5 34	1 11	2 16	2 41	19 29	0 42	2 11	1 52	31 49	10 48	1 28	1 46	18 44		n.a.
T 4	21 46	11 50	1 54	14 29	4 18	11 11	1 47	19 33	0 19	5 38	1 12	2 16	2 41	19 30	0 42	2 11	1 52	31 49	10 48	1 28	1 47	18 41		n.a.
F 5	21 55	5 20	0 43	14 32	4 15	11 36	1 45	19 43	0 20	5 42	1 12	2 16	2 41	19 30	0 42	2 10	1 52	31 50	10 49	1 28	1 49	18 38		n.a.
S 6	22 4	1s21	0s31	14 38	4 10	12 1	1 44	19 53	0 21	5 47	1 12	2 16	2 41	19 30	0 43	2 10	1 52	31 50	10 49	1 28	1 50	18 35		n.a.
S 7	22 13	7 53	1 42	14 46	4 5	12 26	1 42	20 3	0 21	5 51	1 12	2 15	2 40	19 30	0 43	2 10	1 52	31 50	10 49	1 29	1 51	18 33		n.a.
M 8	22 21	13 59	2 46	14 56	3 58	12 51	1 40	20 13	0 22	5 55	1 12	2 15	2 40	19 31	0 43	2 9	1 52	31 51	10 49	1 30	1 53	18 30		n.a.
T 9	22 29	19 21	3 40	15 8	3 50	13 16	1 39	20 23	0 22	5 59	1 12	2 15	2 40	19 31	0 43	2 9	1 53	31 51	10 50	1 33	1 54	18 27		n.a.
W10	22 37	23 43	4 21	15 23	3 41	13 40	1 37	20 32	0 23	6 3	1 12	2 15	2 40	19 31	0 43	2 9	1 53	31 52	10 50	1 36	1 55	18 24		n.a.
T 11	22 44	26 49	4 48	15 40	3 32	14 4	1 35	20 42	0 24	6 7	1 12	2 14	2 39	19 32	0 43	2 8	1 53	31 52	10 50	1 41	1 56	18 21		n.a.
F 12	22 51	28 28	5 0	15 58	3 22	14 28	1 33	20 51	0 24	6 11	1 12	2 14	2 39	19 32	0 43	2 8	1 53	31 53	10 50	1 46	1 58	18 19		n.a.
S 13	22 57	28 38	4 57	16 18	3 11	14 51	1 31	21 0	0 25	6 15	1 13	2 14	2 39	19 32	0 43	2 8	1 53	31 53	10 51	1 51	1 59	18 16		n.a.
S 14	23 3	27 21	4 40	16 40	3 0	15 14	1 29	21 9	0 25	6 19	1 13	2 13	2 39	19 33	0 43	2 7	1 53	31 53	10 51	1 56	2 0	18 13		n.a.
M15	23 9	24 48	4 11	17 4	2 48	15 37	1 27	21 17	0 26	6 23	1 13	2 13	2 38	19 33	0 43	2 7	1 53	31 54	10 51	1 59	2 1	18 10		n.a.
T 16	23 14	21 12	3 31	17 29	2 35	15 59	1 25	21 26	0 26	6 27	1 13	2 12	2 38	19 33	0 43	2 7	1 53	31 54	10 51	2 2	2 3	18 7		n.a.
W17	23 19	16 46	2 42	17 55	2 23	16 21	1 23	21 34	0 27	6 31	1 13	2 12	2 38	19 34	0 43	2 7	1 53	31 55	10 52	2 4	2 4	18 5		n.a.
T 18	23 24	11 44	1 47	18 21	2 10	16 43	1 21	21 42	0 28	6 34	1 13	2 11	2 37	19 34	0 43	2 7	1 53	31 55	10 52	2 5	2 5	18 2		n.a.
F 19	23 28	6 15	0 46	18 49	1 56	17 4	1 18	21 50	0 28	6 38	1 13	2 11	2 37	19 35	0 43	2 6	1 53	31 55	10 52	2 5	2 7	17 59		n.a.
S 20	23 31	0 30	0n17	19 17	1 43	17 25	1 16	21 58	0 29	6 42	1 14	2 10	2 37	19 35	0 43	2 6	1 53	31 56	10 52	2 5	2 8	17 56		n.a.
S 21	23 34	5n23	1 21	19 46	1 29	17 45	1 14	22 5	0 29	6 45	1 14	2 9	2 37	19 35	0 43	2 6	1 53	31 56	10 52	2 6	2 9	17 53		n.a.
M22	23 37	11 12	2 23	20 15	1 16	18 5	1 11	22 13	0 30	6 49	1 14	2 9	2 36	19 36	0 43	2 6	1 53	31 57	10 53	2 6	2 10	17 50		n.a.
T 23	23 39	16 44	3 19	20 44	1 2	18 25	1 9	22 20	0 30	6 52	1 14	2 8	2 36	19 36	0 43	2 6	1 53	31 57	10 53	2 8	2 12	17 48		n.a.
W24	23 41	21 39	4 6	21 12	0 49	18 44	1 6	22 27	0 31	6 56	1 14	2 7	2 36	19 37	0 43	2 6	1 54	31 58	10 53	2 11	2 13	17 45		n.a.
T 25	23 43	25 35	4 40	21 40	0 36	19 3	1 4	22 34	0 32	6 59	1 14	2 6	2 36	19 37	0 43	2 5	1 54	31 58	10 53	2 14	2 14	17 42		n.a.
F 26	23 44	28 4	4 58	22 8	0 23	19 21	1 1	22 40	0 32	7 3	1 14	2 6	2 35	19 38	0 43	2 5	1 54	31 58	10 53	2 19	2 16	17 39		n.a.
S 27	23 45	28 42	4 58	22 34	0 10	19 39	0 59	22 47	0 33	7 6	1 15	2 5	2 35	19 38	0 43	2 5	1 54	31 59	10 54	2 23	2 17	17 36		n.a.
S 28	23 45	27 19	4 38	22 59	0n 2	19 56	0 56	22 53	0 33	7 9	1 15	2 4	2 35	19 39	0 43	2 5	1 54	31 59	10 54	2 28	2 18	17 33		n.a.
M29	23 45	24 2	3 59	23 22	0 14	20 13	0 54	22 59	0 34	7 12	1 15	2 3	2 35	19 39	0 43	2 5	1 54	32 0	10 54	2 31	2 19	17 30		n.a.
T 30	23n44	19n10	3n 4	23n43	0n25	20n29	0s51	23n 5	0n34	7n15	1s15	2n 2	2n34	19s39	0s43	2s 5	1s54	32s 0	10s54	2s34	2s21	17s28		n.a.

Julian Day Number = 1563421.5, Delta T = 04h22m37s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'47, Lahiri = - 9°55'47 Julian Calendar 1 June 433 BCE == Greg. Calendar 27 May 433 BCE

The year -432 astronomical counting style corresponds to year 433 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

JULY 433 BCE (-432) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 15 13	2♋44'45	0♍36	21♊ 8	5♊44	12♊38	21♈27	0♎51	6°R11	29♓ 9	25°R32	23°R34	24♓ 7	20♒50	n.a.	W 1
T 2	18 19 10	3°42'10	14°57	23° 7	6°56	13°17	21°35	0°53	6♒10	29° 9	25♑30	23♓32	24° 4	20°57	n.a.	T 2
F 3	18 23 6	4°39'36	29° 2	25° 7	8° 8	13°56	21°43	0°55	6° 8	29° 9	25°29	23°32	24° 1	21° 3	n.a.	F 3
S 4	18 27 3	5°37'03	12♎49	27° 9	9°21	14°35	21°51	0°57	6° 6	29° 9	25°28	23°32	23°58	21°10	n.a.	S 4
S 5	18 30 59	6°34'30	26°20	29°12	10°33	15°14	22° 0	1° 0	6° 4	29° 9	25°27	23°31	23°54	21°17	n.a.	S 5
M 6	18 34 56	7°31'58	9♏37	1♋15	11°46	15°52	22° 7	1° 2	6° 2	29° 9	25°26	23°28	23°51	21°23	n.a.	M 6
T 7	18 38 52	8°29'28	22°40	3°19	12°58	16°31	22°15	1° 5	6° 0	29° 9	25°24	23°21	23°48	21°30	n.a.	T 7
W 8	18 42 49	9°26'58	5♐31	5°23	14°11	17°10	22°23	1° 7	5°58	29°R10	25°23	23°13	23°45	21°37	n.a.	W 8
T 9	18 46 46	10°24'30	18°10	7°27	15°24	17°49	22°30	1°10	5°56	29° 9	25°22	23° 2	23°42	21°43	n.a.	T 9
F 10	18 50 42	11°22'02	0♑38	9°30	16°36	18°27	22°38	1°13	5°53	29° 9	25°21	22°50	23°39	21°50	n.a.	F 10
S 11	18 54 39	12°19'36	12°56	11°33	17°49	19° 6	22°45	1°16	5°51	29° 9	25°19	22°37	23°35	21°57	n.a.	S 11
S 12	18 58 35	13°17'12	25° 4	13°35	19° 2	19°45	22°52	1°19	5°49	29° 9	25°18	22°26	23°32	22° 3	n.a.	S 12
M13	19 2 32	14°14'49	7♒ 4	15°36	20°15	20°23	22°59	1°22	5°47	29° 9	25°17	22°16	23°29	22°10	n.a.	M13
T 14	19 6 28	15°12'27	18°56	17°36	21°28	21° 2	23° 5	1°25	5°45	29° 9	25°15	22° 9	23°26	22°17	n.a.	T 14
W15	19 10 25	16°10'07	0♓45	19°35	22°41	21°40	23°12	1°28	5°43	29° 9	25°14	22° 4	23°23	22°23	n.a.	W15
T 16	19 14 22	17° 7'48	12°32	21°33	23°54	22°19	23°18	1°32	5°40	29° 8	25°13	22° 2	23°20	22°30	n.a.	T 16
F 17	19 18 18	18° 5'31	24°23	23°29	25° 7	22°57	23°25	1°35	5°38	29° 8	25°12	22°D 2	23°16	22°37	n.a.	F 17
S 18	19 22 15	19° 3'16	6♈21	25°24	26°20	23°35	23°31	1°39	5°36	29° 8	25°10	22° 2	23°13	22°43	n.a.	S 18
S 19	19 26 11	20° 1'03	18°33	27°18	27°33	24°14	23°37	1°42	5°34	29° 8	25° 9	22°R 3	23°10	22°50	n.a.	S 19
M20	19 30 8	20°58'51	1♉ 3	29°11	28°46	24°52	23°42	1°46	5°31	29° 7	25° 8	22° 2	23° 7	22°57	n.a.	M20
T 21	19 34 4	21°56'41	13°56	1♌ 2	29°59	25°30	23°48	1°50	5°29	29° 7	25° 6	22° 0	23° 4	23° 3	n.a.	T 21
W22	19 38 1	22°54'34	27°17	2°52	1♋13	26° 9	23°53	1°53	5°27	29° 6	25° 5	21°55	23° 0	23°10	n.a.	W22
T 23	19 41 57	23°52'28	11♊ 6	4°40	2°26	26°47	23°59	1°57	5°24	29° 6	25° 4	21°49	22°57	23°17	n.a.	T 23
F 24	19 45 54	24°50'24	25°24	6°27	3°40	27°25	24° 4	2° 1	5°22	29° 5	25° 2	21°41	22°54	23°23	n.a.	F 24
S 25	19 49 51	25°48'22	10♋ 5	8°13	4°53	28° 3	24° 9	2° 5	5°20	29° 5	25° 1	21°32	22°51	23°30	n.a.	S 25
S 26	19 53 47	26°46'22	25° 5	9°57	6° 7	28°42	24°14	2°10	5°17	29° 4	25° 0	21°24	22°48	23°37	n.a.	S 26
M27	19 57 44	27°44'24	10♌12	11°41	7°20	29°20	24°18	2°14	5°15	29° 4	24°59	21°17	22°45	23°43	n.a.	M27
T 28	20 1 40	28°42'27	25°18	13°22	8°34	29°58	24°23	2°18	5°13	29° 3	24°57	21°13	22°41	23°50	n.a.	T 28
W29	20 5 37	29°40'31	10♍13	15° 3	9°48	0♋36	24°27	2°22	5°10	29° 2	24°56	21°10	22°38	23°57	n.a.	W29
T 30	20 9 33	0♌38'37	24°50	16°42	11° 1	1°14	24°31	2°27	5° 8	29° 2	24°55	21°D10	22°35	24° 3	n.a.	T 30
F 31	20 13 30	1♌36'45	9♎ 6	18♌20	12♋15	1♋52	24♈35	2♎31	5♒ 5	29♓ 1	24♑53	21♓11	22♓32	24♒10	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23n43	13n14	1n58	24n 3	0n36	20n45	0s49	23n11	0n35	7n18	1s15	2n 1	2n34	19s40	0s43	2s 5	1s54	32s 0	10s54	2s35	2s22	17s25			n.a.
T 2	23 42	6 42	0 45	24 20	0 46	21 0	0 46	23 17	0 36	7 22	1 15	2 0	2 34	19 40	0 43	2 5	1 54	32 1	10 54	2 36	2 23	17 22			n.a.
F 3	23 40	0s 3	0s29	24 35	0 55	21 14	0 43	23 22	0 36	7 25	1 15	1 58	2 34	19 41	0 43	2 5	1 54	32 1	10 55	2 36	2 24	17 19			n.a.
S 4	23 38	6 40	1 40	24 47	1 4	21 28	0 41	23 27	0 37	7 27	1 16	1 57	2 33	19 41	0 43	2 5	1 54	32 2	10 55	2 36	2 26	17 16			n.a.
S 5	23 35	12 50	2 44	24 56	1 11	21 42	0 38	23 32	0 37	7 30	1 16	1 56	2 33	19 42	0 43	2 5	1 54	32 2	10 55	2 36	2 27	17 13			n.a.
M 6	23 32	18 19	3 38	25 3	1 19	21 54	0 35	23 37	0 38	7 33	1 16	1 55	2 33	19 43	0 43	2 5	1 54	32 2	10 55	2 38	2 28	17 10			n.a.
T 7	23 28	22 51	4 20	25 7	1 25	22 7	0 33	23 42	0 38	7 36	1 16	1 54	2 33	19 43	0 43	2 5	1 54	32 3	10 55	2 40	2 30	17 7			n.a.
W 8	23 24	26 13	4 47	25 8	1 30	22 18	0 30	23 46	0 39	7 39	1 16	1 52	2 32	19 44	0 43	2 5	1 54	32 3	10 55	2 44	2 31	17 4			n.a.
T 9	23 20	28 12	5 0	25 7	1 35	22 29	0 27	23 50	0 39	7 41	1 16	1 51	2 32	19 44	0 43	2 5	1 55	32 3	10 55	2 48	2 32	17 2			n.a.
F 10	23 15	28 44	4 59	25 3	1 39	22 40	0 24	23 54	0 40	7 44	1 17	1 50	2 32	19 45	0 43	2 5	1 55	32 4	10 56	2 53	2 33	16 59			n.a.
S 11	23 10	27 48	4 43	24 56	1 42	22 49	0 22	23 58	0 41	7 46	1 17	1 48	2 32	19 45	0 44	2 5	1 55	32 4	10 56	2 58	2 35	16 56			n.a.
S 12	23 5	25 34	4 15	24 47	1 44	22 59	0 19	24 2	0 41	7 49	1 17	1 47	2 31	19 46	0 44	2 5	1 55	32 5	10 56	3 2	2 36	16 53			n.a.
M13	22 59	22 13	3 35	24 35	1 46	23 7	0 16	24 5	0 42	7 51	1 17	1 45	2 31	19 46	0 44	2 6	1 55	32 5	10 56	3 6	2 37	16 50			n.a.
T 14	22 52	17 58	2 47	24 21	1 47	23 15	0 13	24 9	0 42	7 54	1 17	1 44	2 31	19 47	0 44	2 6	1 55	32 5	10 56	3 9	2 38	16 47			n.a.
W15	22 45	13 5	1 51	24 5	1 48	23 22	0 11	24 12	0 43	7 56	1 17	1 42	2 31	19 47	0 44	2 6	1 55	32 6	10 56	3 11	2 40	16 44			n.a.
T 16	22 38	7 43	0 50	23 46	1 47	23 28	0 8	24 15	0 43	7 58	1 18	1 41	2 30	19 48	0 44	2 6	1 55	32 6	10 56	3 12	2 41	16 41			n.a.
F 17	22 31	2 4	0n13	23 26	1 47	23 34	0 5	24 17	0 44	8 0	1 18	1 39	2 30	19 49	0 44	2 6	1 55	32 6	10 56	3 12	2 42	16 38			n.a.
S 18	22 23	3n43	1 16	23 3	1 45	23 39	0 3	24 20	0 44	8 2	1 18	1 37	2 30	19 49	0 44	2 6	1 55	32 7	10 56	3 12	2 44	16 35			n.a.
S 19	22 14	9 28	2 17	22 40	1 43	23 44	0n 0	24 22	0 45	8 4	1 18	1 36	2 30	19 50	0 44	2 7	1 55	32 7	10 56	3 12	2 45	16 32			n.a.
M20	22 5	15 0	3 13	22 14	1 41	23 47	0 3	24 25	0 46	8 6	1 18	1 34	2 29	19 50	0 44	2 7	1 55	32 7	10 57	3 12	2 46	16 29			n.a.
T 21	21 56	20 3	4 1	21 47	1 38	23 50	0 5	24 26	0 46	8 8	1 19	1 32	2 29	19 51	0 44	2 7	1 55	32 8	10 57	3 13	2 47	16 26			n.a.
W22	21 47	24 19	4 38	21 19	1 35	23 53	0 8	24 28	0 47	8 10	1 19	1 31	2 29	19 52	0 44	2 7	1 55	32 8	10 57	3 15	2 49	16 23			n.a.
T 23	21 37	27 21	5 0	20 49	1 31	23 54	0 11	24 30	0 47	8 12	1 19	1 29	2 29	19 52	0 44	2 7	1 55	32 8	10 57	3 17	2 50	16 20			n.a.
F 24	21 26	28 45	5 5	20 18	1 27	23 55	0 13	24 31	0 48	8 14	1 19	1 27	2 28	19 53	0 44	2 8	1 56	32 9	10 57	3 20	2 51	16 17			n.a.
S 25	21 16	28 11	4 50	19 46	1 22	23 55	0 16	24 32	0 48	8 15	1 19	1 25	2 28	19 53	0 44	2 8	1 56	32 9	10 57	3 24	2 52	16 14			n.a.
S 26	21 4	25 34	4 15	19 13	1 17	23 55	0 18	24 34	0 49	8 17	1 19	1 23	2 28	19 54	0 44	2 8	1 56	32 9	10 57	3 27	2 54	16 12			n.a.
M27	20 53	21 9	3 22	18 40	1 12	23 53	0 21	24 34	0 49	8 19	1 20	1 21	2 28	19 54	0 44	2 9	1 56	32 10	10 57	3 30	2 55	16 9			n.a.
T 28	20 41	15 22	2 14	18 5	1 7	23 51	0 23	24 35	0 50	8 20	1 20	1 20	2 28	19 55	0 44	2 9	1 56	32 10	10 57	3 32	2 56	16 6			n.a.
W29	20 29	8 44	0 59	17 30	1 1	23 49	0 26	24 35	0 51	8 21	1 20	1 18	2 27	19 56	0 44	2 9	1 56	32 10	10 57	3 33	2 58	16 3			n.a.
T 30	20 16	1 46	0s20	16 54	0 55	23 45	0 28	24 36	0 51	8 23	1 20	1 16	2 27	19 56	0 44	2 10	1 56	32 10	10 57	3 33	2 59	16 0			n.a.
F 31	20n 4	5s 7	1s35	16n18	0n48	23n41	0n31	24n36	0n52	8n24	1s20	1n14	2n27	19s57	0s44	2s10	1s56	32s11	10s57	3s33	3s 0	15s57			n.a.

Julian Day Number = 1563451.5, Delta T = 04h22m35s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'43, Lahiri = - 9°55'43 Julian Calendar 1 July 433 BCE == Greg. Calendar 26 June 433 BCE

The year -432 astronomical counting style corresponds to year 433 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

AUGUST 433 BCE (-432) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 17 26	2♌34'54	23♎ 0	19♌57	13♋29	2♋30	24♈38	2♎36	5°R 3	29°R 0	24°R52	21♓12	22♓29	24♒17	n.a.	S 1
S 2	20 21 23	3°33'05	6♏31	21°33	14°43	3° 8	24°42	2°41	5♒ 1	29♓ 0	24♑51	21°R12	22°26	24°23	n.a.	S 2
M 3	20 25 20	4°31'17	19°41	23° 7	15°56	3°46	24°45	2°45	4°58	28°59	24°49	21°11	22°22	24°30	n.a.	M 3
T 4	20 29 16	5°29'31	2♐34	24°40	17°10	4°23	24°48	2°50	4°56	28°58	24°48	21° 8	22°19	24°37	n.a.	T 4
W 5	20 33 13	6°27'47	15°12	26°12	18°24	5° 1	24°51	2°55	4°54	28°57	24°47	21° 2	22°16	24°43	n.a.	W 5
T 6	20 37 9	7°26'04	27°36	27°43	19°38	5°39	24°54	3° 0	4°51	28°56	24°46	20°56	22°13	24°50	n.a.	T 6
F 7	20 41 6	8°24'24	9♑51	29°12	20°52	6°17	24°57	3° 5	4°49	28°55	24°44	20°48	22°10	24°57	n.a.	F 7
S 8	20 45 2	9°22'45	21°56	0♍41	22° 6	6°55	24°59	3°10	4°46	28°54	24°43	20°40	22° 6	25° 3	n.a.	S 8
S 9	20 48 59	10°21'07	3♒55	2° 8	23°20	7°32	25° 1	3°15	4°44	28°53	24°42	20°33	22° 3	25°10	n.a.	S 9
M10	20 52 55	11°19'32	15°48	3°33	24°35	8°10	25° 3	3°20	4°42	28°52	24°41	20°27	22° 0	25°17	n.a.	M10
T 11	20 56 52	12°17'59	27°37	4°58	25°49	8°48	25° 5	3°25	4°39	28°51	24°39	20°23	21°57	25°23	n.a.	T 11
W12	21 0 49	13°16'28	9♓25	6°21	27° 3	9°25	25° 7	3°31	4°37	28°50	24°38	20°21	21°54	25°30	n.a.	W12
T 13	21 4 45	14°14'58	21°13	7°43	28°17	10° 3	25° 8	3°36	4°34	28°49	24°37	20°D20	21°51	25°37	n.a.	T 13
F 14	21 8 42	15°13'31	3♈ 6	9° 3	29°32	10°40	25° 9	3°41	4°32	28°48	24°36	20°21	21°47	25°43	n.a.	F 14
S 15	21 12 38	16°12'07	15° 6	10°23	0♌46	11°18	25°10	3°47	4°30	28°47	24°35	20°22	21°44	25°50	n.a.	S 15
S 16	21 16 35	17°10'44	27°19	11°40	2° 0	11°55	25°11	3°52	4°27	28°46	24°33	20°24	21°41	25°57	n.a.	S 16
M17	21 20 31	18° 9'24	9♉48	12°56	3°15	12°33	25°12	3°58	4°25	28°45	24°32	20°25	21°38	26° 3	n.a.	M17
T 18	21 24 28	19° 8'06	22°38	14°11	4°29	13°10	25°12	4° 4	4°23	28°43	24°31	20°R25	21°35	26°10	n.a.	T 18
W19	21 28 24	20° 6'51	5♊52	15°24	5°44	13°47	25°13	4° 9	4°21	28°42	24°30	20°24	21°32	26°17	n.a.	W19
T 20	21 32 21	21° 5'38	19°34	16°35	6°58	14°25	25°R13	4°15	4°18	28°41	24°29	20°22	21°28	26°23	n.a.	T 20
F 21	21 36 17	22° 4'28	3♋45	17°44	8°13	15° 2	25°12	4°21	4°16	28°40	24°28	20°19	21°25	26°30	n.a.	F 21
S 22	21 40 14	23° 3'20	18°21	18°51	9°28	15°39	25°12	4°27	4°14	28°39	24°26	20°15	21°22	26°37	n.a.	S 22
S 23	21 44 11	24° 2'14	3♌18	19°57	10°42	16°17	25°12	4°33	4°12	28°37	24°25	20°11	21°19	26°43	n.a.	S 23
M24	21 48 7	25° 1'10	18°29	21° 0	11°57	16°54	25°11	4°39	4° 9	28°36	24°24	20° 8	21°16	26°50	n.a.	M24
T 25	21 52 4	26° 0'09	3♍43	22° 0	13°12	17°31	25°10	4°45	4° 7	28°35	24°23	20° 6	21°12	26°57	n.a.	T 25
W26	21 56 0	26°59'09	18°51	22°59	14°26	18° 8	25° 9	4°51	4° 5	28°33	24°22	20°D 5	21° 9	27° 3	n.a.	W26
T 27	21 59 57	27°58'11	3♎43	23°54	15°41	18°45	25° 7	4°57	4° 3	28°32	24°21	20° 6	21° 6	27°10	n.a.	T 27
F 28	22 3 53	28°57'16	18°14	24°46	16°56	19°23	25° 6	5° 3	4° 1	28°30	24°20	20° 7	21° 3	27°16	n.a.	F 28
S 29	22 7 50	29°56'22	2♏19	25°35	18°11	20° 0	25° 4	5° 9	3°59	28°29	24°19	20° 8	21° 0	27°23	n.a.	S 29
S 30	22 11 46	0♍55'31	15°58	26°21	19°26	20°37	25° 2	5°15	3°57	28°27	24°18	20° 9	20°57	27°30	n.a.	S 30
M31	22 15 43	1♍54'41	29♏12	27♍ 2	20♌41	21♋14	25♈ 0	5♎21	3♒55	28♓26	24♑17	20°R10	20♓53	27♒36	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	19n50	11s34	2s43	15n41	0n42	23n36	0n33	24n36	0n52	8n25	1s21	1n12	2n27	19s57	0s44	2s10	1s56	32s11	10s57	3s32	3s 1	15s54		n.a.	S 1
S 2	19 37	17 19	3 40	15 3	0 35	23 31	0 35	24 35	0 53	8 26	1 21	1 10	2 27	19 58	0 44	2 11	1 56	32 11	10 57	3 32	3 3	15 51		n.a.	S 2
M 3	19 23	22 6	4 24	14 26	0 28	23 24	0 37	24 35	0 53	8 27	1 21	1 7	2 26	19 59	0 44	2 11	1 56	32 11	10 57	3 32	3 4	15 48		n.a.	M 3
T 4	19 9	25 43	4 53	13 48	0 21	23 17	0 40	24 34	0 54	8 28	1 21	1 5	2 26	19 59	0 44	2 11	1 56	32 12	10 57	3 34	3 5	15 45		n.a.	T 4
W 5	18 54	28 0	5 7	13 9	0 13	23 10	0 42	24 34	0 54	8 29	1 21	1 3	2 26	20 0	0 44	2 12	1 56	32 12	10 57	3 36	3 6	15 42		n.a.	W 5
T 6	18 39	28 50	5 7	12 31	0 6	23 1	0 44	24 33	0 55	8 30	1 22	1 1	2 26	20 0	0 44	2 12	1 56	32 12	10 57	3 38	3 8	15 39		n.a.	T 6
F 7	18 24	28 14	4 52	11 52	0s 2	22 52	0 46	24 31	0 55	8 31	1 22	0 59	2 26	20 1	0 44	2 13	1 56	32 12	10 57	3 41	3 9	15 36		n.a.	F 7
S 8	18 8	26 17	4 24	11 14	0 10	22 42	0 48	24 30	0 56	8 32	1 22	0 57	2 25	20 2	0 44	2 13	1 56	32 13	10 57	3 45	3 10	15 33		n.a.	S 8
S 9	17 52	23 10	3 45	10 35	0 18	22 32	0 50	24 28	0 57	8 32	1 22	0 54	2 25	20 2	0 44	2 13	1 56	32 13	10 57	3 47	3 11	15 30		n.a.	S 9
M10	17 36	19 7	2 57	9 56	0 26	22 21	0 52	24 27	0 57	8 33	1 22	0 52	2 25	20 3	0 44	2 14	1 57	32 13	10 57	3 50	3 13	15 26		n.a.	M10
T 11	17 20	14 20	2 1	9 18	0 34	22 9	0 54	24 25	0 58	8 33	1 23	0 50	2 25	20 3	0 44	2 14	1 57	32 13	10 57	3 52	3 14	15 23		n.a.	T 11
W12	17 3	9 3	0 59	8 39	0 42	21 56	0 56	24 23	0 58	8 34	1 23	0 48	2 25	20 4	0 44	2 15	1 57	32 14	10 57	3 52	3 15	15 20		n.a.	W12
T 13	16 46	3 27	0n 5	8 1	0 50	21 43	0 58	24 20	0 59	8 34	1 23	0 45	2 24	20 4	0 44	2 15	1 57	32 14	10 57	3 53	3 17	15 17		n.a.	T 13
F 14	16 29	2n18	1 9	7 23	0 58	21 29	1 0	24 18	0 59	8 34	1 23	0 43	2 24	20 5	0 44	2 16	1 57	32 14	10 57	3 52	3 18	15 14		n.a.	F 14
S 15	16 11	8 2	2 11	6 45	1 7	21 15	1 2	24 15	1 0	8 34	1 23	0 41	2 24	20 6	0 44	2 16	1 57	32 14	10 57	3 52	3 19	15 11		n.a.	S 15
S 16	15 53	13 35	3 9	6 8	1 15	21 0	1 3	24 13	1 0	8 35	1 24	0 38	2 24	20 6	0 44	2 17	1 57	32 14	10 57	3 51	3 20	15 8		n.a.	S 16
M17	15 35	18 42	3 58	5 30	1 23	20 44	1 5	24 10	1 1	8 35	1 24	0 36	2 24	20 7	0 44	2 17	1 57	32 14	10 57	3 51	3 22	15 5		n.a.	M17
T 18	15 17	23 8	4 38	4 54	1 31	20 28	1 6	24 6	1 1	8 35	1 24	0 33	2 24	20 7	0 44	2 18	1 57	32 15	10 57	3 51	3 23	15 2		n.a.	T 18
W19	14 58	26 33	5 4	4 18	1 40	20 11	1 8	24 3	1 2	8 34	1 24	0 31	2 23	20 8	0 44	2 18	1 57	32 15	10 56	3 51	3 24	14 59		n.a.	W19
T 20	14 39	28 33	5 14	3 43	1 48	19 53	1 9	24 0	1 3	8 34	1 24	0 29	2 23	20 8	0 44	2 19	1 57	32 15	10 56	3 52	3 25	14 56		n.a.	T 20
F 21	14 20	28 47	5 5	3 8	1 56	19 35	1 11	23 56	1 3	8 34	1 24	0 26	2 23	20 9	0 44	2 19	1 57	32 15	10 56	3 53	3 27	14 53		n.a.	F 21
S 22	14 1	27 3	4 37	2 34	2 4	19 17	1 12	23 52	1 4	8 34	1 25	0 24	2 23	20 9	0 44	2 20	1 57	32 15	10 56	3 55	3 28	14 50		n.a.	S 22
S 23	13 41	23 23	3 49	2 1	2 12	18 57	1 13	23 48	1 4	8 33	1 25	0 21	2 23	20 10	0 44	2 21	1 57	32 15	10 56	3 56	3 29	14 47		n.a.	S 23
M24	13 21	18 6	2 45	1 28	2 20	18 37	1 15	23 44	1 5	8 33	1 25	0 19	2 23	20 10	0 44	2 21	1 57	32 15	10 56	3 57	3 30	14 44		n.a.	M24
T 25	13 1	11 39	1 29	0 57	2 28	18 17	1 16	23 40	1 5	8 32	1 25	0 16	2 23	20 11	0 44	2 22	1 57	32 16	10 56	3 58	3 32	14 41		n.a.	T 25
W26	12 41	4 34	0 7	0 27	2 35	17 56	1 17	23 35	1 6	8 32	1 25	0 14	2 22	20 12	0 44	2 22	1 57	32 16	10 56	3 59	3 33	14 38		n.a.	W26
T 27	12 20	2s38	1s14	0s 1	2 42	17 35	1 18	23 31	1 6	8 31	1 26	0 11	2 22	20 12	0 44	2 23	1 57	32 16	10 56	3 58	3 34	14 35		n.a.	T 27
F 28	11 59	9 32	2 29	0 29	2 49	17 13	1 19	23 26	1 7	8 30	1 26	0 8	2 22	20 13	0 44	2 24	1 57	32 16	10 56	3 58	3 36	14 31		n.a.	F 28
S 29	11 38	15 45	3 32	0 54	2 56	16 51	1 20	23 21	1 7	8 30	1 26	0 6	2 22	20 13	0 44	2 24	1 57	32 16	10 56	3 57	3 37	14 28		n.a.	S 29
S 30	11 17	21 0	4 22	1 18	3 2	16 28	1 21	23 16	1 8	8 29	1 26	0 3	2 22	20 13	0 44	2 25	1 57	32 16	10 55	3 57	3 38	14 25		n.a.	S 30
M31	10n56	25s 2	4s55	1s40	3s 8	16n 4	1n22	23n11	1n 8	8n28	1s26	0n 1	2n22	20s14	0s44	2s25	1s57	32s16	10s55	3s57	3s39	14s22		n.a.	M31

Julian Day Number = 1563482.5, Delta T = 04h22m34s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'39, Lahiri = - 9°55'39 Julian Calendar 1 Aug. 433 BCE == Greg. Calendar 27 July 433 BCE

The year -432 astronomical counting style corresponds to year 433 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

SEPTEMBER 433 BCE (-432) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 19 40	2♍53'53	12♐ 3	27♍39	21♌56	21♋51	24°R57	5♎28	3°R53	28°R25	24°R16	20°R10	20♓50	27♒43	n.a.	T 1
W 2	22 23 36	3°53'07	24°36	28°12	23°11	22°27	24♈55	5°34	3♒51	28♓23	24♉15	20♓ 9	20°47	27°50	n.a.	W 2
T 3	22 27 33	4°52'23	6♉53	28°40	24°26	23° 4	24°52	5°41	3°49	28°22	24°14	20° 7	20°44	27°56	n.a.	T 3
F 4	22 31 29	5°51'41	18°59	29° 2	25°41	23°41	24°49	5°47	3°47	28°20	24°13	20° 5	20°41	28° 3	n.a.	F 4
S 5	22 35 26	6°51'00	0♒56	29°19	26°56	24°18	24°46	5°53	3°45	28°19	24°12	20° 3	20°38	28°10	n.a.	S 5
S 6	22 39 22	7°50'22	12°47	29°29	28°11	24°55	24°42	6° 0	3°43	28°17	24°11	20° 1	20°34	28°16	n.a.	S 6
M 7	22 43 19	8°49'46	24°36	29°R32	29°26	25°31	24°39	6° 6	3°41	28°15	24°11	20° 0	20°31	28°23	n.a.	M 7
T 8	22 47 15	9°49'12	6♓25	29°28	0♍41	26° 8	24°35	6°13	3°39	28°14	24°10	19°59	20°28	28°30	n.a.	T 8
W 9	22 51 12	10°48'40	18°15	29°17	1°56	26°45	24°31	6°20	3°38	28°12	24° 9	19°D58	20°25	28°36	n.a.	W 9
T 10	22 55 8	11°48'10	0♈10	28°57	3°11	27°21	24°27	6°26	3°36	28°11	24° 8	19°58	20°22	28°43	n.a.	T 10
F 11	22 59 5	12°47'42	12°10	28°29	4°26	27°58	24°23	6°33	3°34	28° 9	24° 7	19°59	20°18	28°50	n.a.	F 11
S 12	23 3 2	13°47'16	24°19	27°52	5°41	28°35	24°18	6°40	3°32	28° 7	24° 7	20° 0	20°15	28°56	n.a.	S 12
S 13	23 6 58	14°46'53	6♉39	27° 7	6°57	29°11	24°14	6°46	3°31	28° 6	24° 6	20° 0	20°12	29° 3	n.a.	S 13
M14	23 10 55	15°46'33	19°13	26°15	8°12	29°48	24° 9	6°53	3°29	28° 4	24° 5	20° 1	20° 9	29°10	n.a.	M14
T 15	23 14 51	16°46'14	2♊ 4	25°15	9°27	0♌24	24° 4	7° 0	3°28	28° 3	24° 4	20° 1	20° 6	29°16	n.a.	T 15
W16	23 18 48	17°45'59	15°15	24° 9	10°42	1° 0	23°59	7° 7	3°26	28° 1	24° 4	20°R 1	20° 3	29°23	n.a.	W16
T 17	23 22 44	18°45'45	28°48	22°58	11°58	1°37	23°53	7°13	3°25	27°59	24° 3	20° 1	19°59	29°30	n.a.	T 17
F 18	23 26 41	19°45'34	12♋45	21°44	13°13	2°13	23°48	7°20	3°23	27°58	24° 2	20°D 1	19°56	29°36	n.a.	F 18
S 19	23 30 37	20°45'25	27° 6	20°29	14°28	2°49	23°42	7°27	3°22	27°56	24° 2	20° 1	19°53	29°43	n.a.	S 19
S 20	23 34 34	21°45'19	11♌47	19°15	15°44	3°26	23°36	7°34	3°20	27°54	24° 1	20° 1	19°50	29°50	n.a.	S 20
M21	23 38 31	22°45'15	26°44	18° 5	16°59	4° 2	23°30	7°41	3°19	27°53	24° 1	20° 1	19°47	29°56	n.a.	M21
T 22	23 42 27	23°45'13	11♍49	17° 0	18°14	4°38	23°24	7°48	3°18	27°51	24° 0	20° 2	19°43	0♓ 3	n.a.	T 22
W23	23 46 24	24°45'13	26°54	16° 3	19°30	5°14	23°18	7°55	3°17	27°49	24° 0	20°R 2	19°40	0°10	n.a.	W23
T 24	23 50 20	25°45'15	11♎49	15°14	20°45	5°50	23°12	8° 2	3°15	27°47	23°59	20° 1	19°37	0°16	n.a.	T 24
F 25	23 54 17	26°45'19	26°28	14°36	22° 1	6°26	23° 5	8° 9	3°14	27°46	23°59	20° 1	19°34	0°23	n.a.	F 25
S 26	23 58 13	27°45'25	10♏43	14°10	23°16	7° 2	22°58	8°16	3°13	27°44	23°58	20° 0	19°31	0°30	n.a.	S 26
S 27	0 2 10	28°45'33	24°32	13°54	24°31	7°38	22°52	8°23	3°12	27°42	23°58	19°59	19°28	0°36	n.a.	S 27
M28	0 6 6	29°45'42	7♐54	13°D50	25°47	8°14	22°45	8°30	3°11	27°41	23°57	19°58	19°24	0°43	n.a.	M28
T 29	0 10 3	0♎45'53	20°50	13°58	27° 2	8°50	22°38	8°37	3°10	27°39	23°57	19°57	19°21	0°49	n.a.	T 29
W30	0 14 0	1♎46'06	3♑25	14♍16	28♍18	9♌26	22♈31	8♎44	3♒ 9	27♓37	23♑57	19°D57	19♓18	0♓56	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n34	27s42	5s13	2s 0	3s13	15n41	1n22	23n 5	1n 9	8n27	1s26	0s 2	2n22	20s14	0s44	2s26	1s57	32s16	10s55	3s57	3s41	14s19		n.a.
W 2	10 13	28 53	5 15	2 18	3 18	15 16	1 23	23 0	1 10	8 26	1 27	0 5	2 21	20 15	0 44	2 27	1 58	32 16	10 55	3 57	3 42	14 16		n.a.
T 3	9 51	28 36	5 3	2 33	3 22	14 52	1 24	22 54	1 10	8 24	1 27	0 7	2 21	20 15	0 44	2 27	1 58	32 16	10 55	3 58	3 43	14 13		n.a.
F 4	9 29	26 57	4 37	2 45	3 26	14 27	1 24	22 48	1 11	8 23	1 27	0 10	2 21	20 16	0 44	2 28	1 58	32 16	10 55	3 59	3 44	14 10		n.a.
S 5	9 7	24 6	3 59	2 54	3 29	14 1	1 25	22 42	1 11	8 22	1 27	0 13	2 21	20 16	0 44	2 29	1 58	32 16	10 55	3 59	3 46	14 7		n.a.
S 6	8 44	20 15	3 12	3 0	3 30	13 35	1 25	22 36	1 12	8 20	1 27	0 15	2 21	20 17	0 44	2 29	1 58	32 16	10 54	4 0	3 47	14 4		n.a.
M 7	8 22	15 37	2 16	3 2	3 31	13 9	1 25	22 30	1 12	8 19	1 27	0 18	2 21	20 17	0 43	2 30	1 58	32 16	10 54	4 1	3 48	14 0		n.a.
T 8	7 59	10 25	1 15	3 0	3 31	12 42	1 26	22 23	1 13	8 17	1 27	0 21	2 21	20 17	0 43	2 30	1 58	32 16	10 54	4 1	3 49	13 57		n.a.
W 9	7 36	4 51	0 10	2 54	3 29	12 15	1 26	22 17	1 13	8 16	1 28	0 24	2 21	20 18	0 43	2 31	1 58	32 16	10 54	4 1	3 51	13 54		n.a.
T 10	7 14	0n55	0n56	2 43	3 26	11 48	1 26	22 10	1 14	8 14	1 28	0 26	2 21	20 18	0 43	2 32	1 58	32 16	10 54	4 1	3 52	13 51		n.a.
F 11	6 51	6 43	2 0	2 27	3 21	11 20	1 26	22 3	1 14	8 13	1 28	0 29	2 21	20 19	0 43	2 32	1 58	32 16	10 54	4 1	3 53	13 48		n.a.
S 12	6 27	12 19	2 59	2 6	3 14	10 52	1 26	21 56	1 15	8 11	1 28	0 32	2 20	20 19	0 43	2 33	1 58	32 16	10 54	4 1	3 55	13 45		n.a.
S 13	6 4	17 32	3 51	1 41	3 6	10 24	1 26	21 49	1 16	8 9	1 28	0 35	2 20	20 19	0 43	2 34	1 58	32 16	10 53	4 1	3 56	13 42		n.a.
M14	5 41	22 7	4 33	1 10	2 56	9 56	1 26	21 42	1 16	8 7	1 28	0 37	2 20	20 20	0 43	2 34	1 58	32 16	10 53	4 0	3 57	13 39		n.a.
T 15	5 17	25 47	5 2	0 35	2 43	9 27	1 26	21 34	1 17	8 5	1 28	0 40	2 20	20 20	0 43	2 35	1 58	32 16	10 53	4 0	3 58	13 35		n.a.
W16	4 54	28 10	5 17	0n 5	2 29	8 58	1 25	21 27	1 17	8 3	1 28	0 43	2 20	20 20	0 43	2 36	1 58	32 16	10 53	4 0	4 0	13 32		n.a.
T 17	4 30	28 59	5 14	0 48	2 13	8 28	1 25	21 19	1 18	8 1	1 29	0 46	2 20	20 21	0 43	2 37	1 58	32 16	10 53	4 0	4 1	13 29		n.a.
F 18	4 6	28 0	4 53	1 33	1 56	7 59	1 25	21 12	1 18	7 59	1 29	0 49	2 20	20 21	0 43	2 37	1 58	32 16	10 52	4 0	4 2	13 26		n.a.
S 19	3 43	25 9	4 14	2 20	1 37	7 29	1 24	21 4	1 19	7 57	1 29	0 51	2 20	20 21	0 43	2 38	1 58	32 16	10 52	4 0	4 3	13 23		n.a.
S 20	3 19	20 38	3 17	3 8	1 17	6 59	1 24	20 56	1 19	7 54	1 29	0 54	2 20	20 22	0 43	2 39	1 58	32 16	10 52	4 0	4 5	13 20		n.a.
M21	2 55	14 44	2 6	3 54	0 56	6 29	1 23	20 47	1 20	7 52	1 29	0 57	2 20	20 22	0 43	2 39	1 58	32 16	10 52	4 0	4 6	13 16		n.a.
T 22	2 31	7 55	0 46	4 39	0 36	5 58	1 22	20 39	1 21	7 50	1 29	1 0	2 20	20 22	0 43	2 40	1 58	32 16	10 52	4 0	4 7	13 13		n.a.
W23	2 7	0 40	0s38	5 20	0 16	5 28	1 22	20 31	1 21	7 47	1 29	1 3	2 20	20 23	0 43	2 41	1 58	32 16	10 52	4 0	4 8	13 10		n.a.
T 24	1 43	6s32	1 58	5 57	0n 4	4 57	1 21	20 22	1 22	7 45	1 29	1 5	2 20	20 23	0 43	2 41	1 58	32 16	10 51	4 0	4 10	13 7		n.a.
F 25	1 18	13 16	3 9	6 29	0 23	4 26	1 20	20 14	1 22	7 42	1 29	1 8	2 20	20 23	0 43	2 42	1 58	32 16	10 51	4 0	4 11	13 4		n.a.
S 26	0 54	19 7	4 6	6 56	0 40	3 55	1 19	20 5	1 23	7 40	1 29	1 11	2 20	20 23	0 43	2 43	1 58	32 15	10 51	4 1	4 12	13 1		n.a.
S 27	0 30	23 46	4 47	7 17	0 56	3 24	1 18	19 56	1 23	7 37	1 29	1 14	2 19	20 23	0 43	2 43	1 58	32 15	10 51	4 1	4 13	12 57		n.a.
M28	0 6	27 1	5 10	7 31	1 11	2 53	1 17	19 47	1 24	7 35	1 29	1 17	2 19	20 24	0 43	2 44	1 58	32 15	10 51	4 1	4 15	12 54		n.a.
T 29	0s18	28 42	5 17	7 40	1 24	2 21	1 16	19 38	1 24	7 32	1 29	1 20	2 19	20 24	0 43	2 45	1 58	32 15	10 50	4 2	4 16	12 51		n.a.
W30	0s43	28s51	5s 9	7n43	1n35	1n50	1n15	19n29	1n25	7n29	1s29	1s22	2n19	20s24	0s43	2s45	1s58	32s15	10s50	4s 2	4s17	12s48		n.a.

Julian Day Number = 1563513.5, Delta T = 04h22m33s
Ecliptic obliquity = 23°45'01, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'35, Lahiri = - 9°55'34 Julian Calendar 1 Sept. 433 BCE == Greg. Calendar 27 Aug. 433 BCE

The year -432 astronomical counting style corresponds to year 433 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

OCTOBER 433 BCE (-432) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 17 56	2♎46'20	15♉41	14♍44	29♍33	10♌ 1	22°R23	8♎51	3°R 8	27°R36	23°R56	19♓57	19♓15	1♓ 3	n.a.	T 1
F 2	0 21 53	3°46'36	27°43	15°21	0♎49	10°37	22♈16	8°58	3♒ 8	27♓34	23♉56	19°58	19°12	1° 9	n.a.	F 2
S 3	0 25 49	4°46'54	9♒36	16° 6	2° 4	11°13	22° 8	9° 5	3° 7	27°32	23°56	20° 0	19° 9	1°16	n.a.	S 3
S 4	0 29 46	5°47'13	21°25	16°59	3°20	11°48	22° 1	9°12	3° 6	27°31	23°55	20° 1	19° 5	1°23	n.a.	S 4
M 5	0 33 42	6°47'34	3♓13	17°58	4°35	12°24	21°53	9°19	3° 5	27°29	23°55	20° 2	19° 2	1°29	n.a.	M 5
T 6	0 37 39	7°47'56	15° 3	19° 4	5°51	13° 0	21°46	9°26	3° 5	27°27	23°55	20°R 3	18°59	1°36	n.a.	T 6
W 7	0 41 35	8°48'21	26°59	20°14	7° 6	13°35	21°38	9°33	3° 4	27°26	23°55	20° 3	18°56	1°43	n.a.	W 7
T 8	0 45 32	9°48'46	9♈ 3	21°28	8°22	14°10	21°30	9°40	3° 4	27°24	23°55	20° 2	18°53	1°49	n.a.	T 8
F 9	0 49 28	10°49'14	21°16	22°46	9°37	14°46	21°22	9°47	3° 3	27°22	23°55	20° 0	18°49	1°56	n.a.	F 9
S 10	0 53 25	11°49'43	3♉40	24° 7	10°53	15°21	21°14	9°55	3° 3	27°21	23°55	19°57	18°46	2° 3	n.a.	S 10
S 11	0 57 22	12°50'15	16°16	25°30	12° 8	15°56	21° 6	10° 2	3° 2	27°19	23°54	19°53	18°43	2° 9	n.a.	S 11
M12	1 1 18	13°50'48	29° 5	26°56	13°24	16°32	20°58	10° 9	3° 2	27°18	23°54	19°49	18°40	2°16	n.a.	M12
T 13	1 5 15	14°51'23	12♊ 7	28°24	14°39	17° 7	20°50	10°16	3° 2	27°16	23°D54	19°46	18°37	2°23	n.a.	T 13
W14	1 9 11	15°52'00	25°24	29°53	15°55	17°42	20°42	10°23	3° 2	27°14	23°54	19°43	18°34	2°29	n.a.	W14
T 15	1 13 8	16°52'39	8♋56	1♎23	17°10	18°17	20°34	10°30	3° 1	27°13	23°54	19°42	18°30	2°36	n.a.	T 15
F 16	1 17 4	17°53'19	22°44	2°55	18°26	18°52	20°25	10°37	3° 1	27°11	23°55	19°D41	18°27	2°43	n.a.	F 16
S 17	1 21 1	18°54'02	6♌49	4°27	19°41	19°27	20°17	10°44	3° 1	27°10	23°55	19°42	18°24	2°49	n.a.	S 17
S 18	1 24 57	19°54'46	21° 9	6° 0	20°57	20° 2	20° 9	10°51	3°D 1	27° 8	23°55	19°44	18°21	2°56	n.a.	S 18
M19	1 28 54	20°55'32	5♍42	7°33	22°12	20°36	20° 1	10°58	3° 1	27° 7	23°55	19°45	18°18	3° 3	n.a.	M19
T 20	1 32 51	21°56'20	20°23	9° 7	23°28	21°11	19°53	11° 5	3° 1	27° 5	23°55	19°R46	18°15	3° 9	n.a.	T 20
W21	1 36 47	22°57'09	5♎ 9	10°41	24°43	21°46	19°45	11°12	3° 1	27° 4	23°55	19°45	18°11	3°16	n.a.	W21
T 22	1 40 44	23°57'59	19°51	12°15	25°59	22°21	19°36	11°19	3° 1	27° 2	23°55	19°42	18° 8	3°22	n.a.	T 22
F 23	1 44 40	24°58'52	4♏22	13°50	27°15	22°55	19°28	11°26	3° 2	27° 1	23°56	19°38	18° 5	3°29	n.a.	F 23
S 24	1 48 37	25°59'45	18°36	15°24	28°30	23°30	19°20	11°33	3° 2	26°59	23°56	19°32	18° 2	3°36	n.a.	S 24
S 25	1 52 33	27° 0'40	2♐28	16°59	29°46	24° 4	19°12	11°40	3° 2	26°58	23°56	19°26	17°59	3°42	n.a.	S 25
M26	1 56 30	28° 1'36	15°54	18°33	1♏ 1	24°38	19° 4	11°47	3° 3	26°56	23°57	19°20	17°55	3°49	n.a.	M26
T 27	2 0 26	29° 2'33	28°56	20° 8	2°17	25°13	18°56	11°54	3° 3	26°55	23°57	19°14	17°52	3°56	n.a.	T 27
W28	2 4 23	0♏ 3'30	11♑34	21°42	3°32	25°47	18°48	12° 0	3° 4	26°54	23°57	19°11	17°49	4° 2	n.a.	W28
T 29	2 8 20	1° 4'29	23°53	23°17	4°48	26°21	18°40	12° 7	3° 4	26°52	23°58	19° 9	17°46	4° 9	n.a.	T 29
F 30	2 12 16	2° 5'29	5♒56	24°51	6° 3	26°55	18°33	12°14	3° 5	26°51	23°58	19°D 9	17°43	4°16	n.a.	F 30
S 31	2 16 13	3♏ 6'29	17♒49	26♎25	7♏19	27♌29	18♈25	12♎21	3♒ 5	26♓50	23♉59	19♓10	17♓40	4♓22	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	1s 7	27s33	4s46	7n41	1n44	1n18	1n14	19n20	1n25	7n27	1s29	1s25	2n19	20s24	0s43	2s46	1s58	32s15	10s50	4s 2	4s19	12s45		n.a.	
F 2	1 31	24 59	4 11	7 34	1 52	0 47	1 13	19 11	1 26	7 24	1 30	1 28	2 19	20 24	0 43	2 47	1 58	32 15	10 50	4 1	4 20	12 42		n.a.	
S 3	1 55	21 23	3 26	7 22	1 59	0 15	1 11	19 1	1 27	7 21	1 30	1 31	2 19	20 25	0 43	2 47	1 58	32 14	10 49	4 1	4 21	12 38		n.a.	
S 4	2 20	16 56	2 32	7 6	2 4	0s16	1 10	18 52	1 27	7 18	1 30	1 34	2 19	20 25	0 43	2 48	1 58	32 14	10 49	4 0	4 22	12 35		n.a.	
M 5	2 44	11 53	1 32	6 46	2 7	0 48	1 9	18 42	1 28	7 15	1 30	1 37	2 19	20 25	0 43	2 49	1 58	32 14	10 49	4 0	4 24	12 32		n.a.	
T 6	3 8	6 23	0 28	6 22	2 10	1 19	1 7	18 33	1 28	7 12	1 30	1 39	2 19	20 25	0 43	2 49	1 58	32 14	10 49	3 59	4 25	12 29		n.a.	
W 7	3 32	0 38	0n38	5 56	2 11	1 51	1 6	18 23	1 29	7 9	1 29	1 42	2 19	20 25	0 43	2 50	1 58	32 14	10 49	3 59	4 26	12 26		n.a.	
T 8	3 56	5n12	1 43	5 26	2 12	2 23	1 4	18 13	1 29	7 6	1 29	1 45	2 19	20 25	0 43	2 51	1 58	32 14	10 48	4 0	4 27	12 22		n.a.	
F 9	4 20	10 56	2 44	4 55	2 11	2 54	1 3	18 3	1 30	7 4	1 29	1 48	2 19	20 25	0 43	2 51	1 58	32 13	10 48	4 1	4 29	12 19		n.a.	
S 10	4 44	16 18	3 38	4 21	2 10	3 26	1 1	17 53	1 31	7 1	1 29	1 51	2 19	20 25	0 43	2 52	1 58	32 13	10 48	4 2	4 30	12 16		n.a.	
S 11	5 8	21 5	4 22	3 46	2 8	3 57	0 59	17 43	1 31	6 58	1 29	1 53	2 19	20 25	0 43	2 53	1 58	32 13	10 48	4 3	4 31	12 13		n.a.	
M12	5 32	24 59	4 54	3 9	2 6	4 28	0 58	17 33	1 32	6 55	1 29	1 56	2 19	20 25	0 43	2 53	1 58	32 13	10 47	4 5	4 32	12 10		n.a.	
T 13	5 56	27 41	5 11	2 31	2 3	5 0	0 56	17 22	1 32	6 52	1 29	1 59	2 19	20 25	0 43	2 54	1 58	32 13	10 47	4 6	4 34	12 6		n.a.	
W14	6 19	28 52	5 13	1 52	1 59	5 31	0 54	17 12	1 33	6 49	1 29	2 2	2 19	20 25	0 43	2 55	1 58	32 12	10 47	4 7	4 35	12 3		n.a.	
T 15	6 43	28 23	4 57	1 11	1 55	6 2	0 52	17 2	1 33	6 45	1 29	2 5	2 19	20 25	0 42	2 55	1 58	32 12	10 47	4 8	4 36	12 0		n.a.	
F 16	7 6	26 8	4 23	0 31	1 50	6 33	0 50	16 51	1 34	6 42	1 29	2 7	2 19	20 25	0 42	2 56	1 58	32 12	10 47	4 8	4 37	11 57		n.a.	
S 17	7 30	22 15	3 34	0s11	1 45	7 3	0 48	16 40	1 35	6 39	1 29	2 10	2 19	20 25	0 42	2 56	1 58	32 12	10 46	4 8	4 39	11 53		n.a.	
S 18	7 53	17 0	2 30	0 53	1 40	7 34	0 46	16 30	1 35	6 36	1 29	2 13	2 19	20 25	0 42	2 57	1 58	32 11	10 46	4 7	4 40	11 50		n.a.	
M19	8 16	10 43	1 16	1 35	1 35	8 4	0 44	16 19	1 36	6 33	1 29	2 16	2 19	20 25	0 42	2 58	1 58	32 11	10 46	4 7	4 41	11 47		n.a.	
T 20	8 39	3 48	0s 3	2 18	1 29	8 35	0 42	16 8	1 36	6 30	1 29	2 18	2 19	20 25	0 42	2 58	1 58	32 11	10 46	4 6	4 42	11 44		n.a.	
W21	9 2	3s20	1 23	3 0	1 23	9 5	0 40	15 58	1 37	6 27	1 29	2 21	2 19	20 25	0 42	2 59	1 58	32 11	10 45	4 7	4 44	11 41		n.a.	
T 22	9 25	10 16	2 37	3 43	1 17	9 34	0 38	15 47	1 37	6 24	1 28	2 24	2 19	20 25	0 42	2 59	1 58	32 10	10 45	4 8	4 45	11 37		n.a.	
F 23	9 48	16 34	3 39	4 26	1 11	10 4	0 36	15 36	1 38	6 21	1 28	2 27	2 19	20 25	0 42	3 0	1 58	32 10	10 45	4 9	4 46	11 34		n.a.	
S 24	10 10	21 51	4 27	5 9	1 5	10 33	0 34	15 25	1 39	6 18	1 28	2 29	2 20	20 25	0 42	3 0	1 58	32 10	10 45	4 12	4 47	11 31		n.a.	
S 25	10 32	25 46	4 57	5 52	0 58	11 2	0 32	15 14	1 39	6 15	1 28	2 32	2 20	20 25	0 42	3 1	1 58	32 10	10 45	4 14	4 49	11 28		n.a.	
M26	10 55	28 8	5 10	6 34	0 52	11 31	0 29	15 3	1 40	6 12	1 28	2 35	2 20	20 25	0 42	3 1	1 57	32 9	10 44	4 17	4 50	11 24		n.a.	
T 27	11 16	28 51	5 6	7 16	0 45	12 0	0 27	14 51	1 40	6 10	1 28	2 37	2 20	20 25	0 42	3 2	1 57	32 9	10 44	4 19	4 51	11 21		n.a.	
W28	11 38	28 1	4 47	7 58	0 38	12 28	0 25	14 40	1 41	6 7	1 28	2 40	2 20	20 25	0 42	3 2	1 57	32 9	10 44	4 20	4 53	11 18		n.a.	
T 29	12 0	25 48	4 16	8 40	0 32	12 56	0 23	14 29	1 42	6 4	1 27	2 43	2 20	20 24	0 42	3 3	1 57	32 8	10 44	4 21	4 54	11 15		n.a.	
F 30	12 21	22 28	3 33	9 21	0 25	13 24	0 20	14 18	1 42	6 1	1 27	2 45	2 20	20 24	0 42	3 3	1 57	32 8	10 43	4 21	4 55	11 11		n.a.	
S 31	12s43	18s15	2s42	10s 2	0n18	13s51	0n18	14n 7	1n43	5n58	1s27	2s48	2n20	20s24	0s42	3s 4	1s57	32s 8	10s43	4s21	4s56	11s 8		n.a.	

Julian Day Number = 1563543.5, Delta T = 04h22m32s
Ecliptic obliquity = 23°45'01, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'31, Lahiri = - 9°55'30 Julian Calendar 1 Oct. 433 BCE == Greg. Calendar 26 Sept. 433 BCE

The year -432 astronomical counting style corresponds to year 433 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

NOVEMBER 433 BCE (-432) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 20 9	4♏ 7'30	29♒37	28♎ 0	8♏34	28♌ 3	18°R17	12♎28	3♒ 6	26°R48	23♑59	19♓11	17♓36	4♓29	n.a.	S 1
M 2	2 24 6	5° 8'32	11♓25	29°34	9°50	28°37	18♈10	12°34	3° 7	26♓47	24° 0	19°13	17°33	4°36	n.a.	M 2
T 3	2 28 2	6° 9'35	23°18	1♏ 8	11° 5	29°11	18° 2	12°41	3° 8	26°46	24° 0	19°R13	17°30	4°42	n.a.	T 3
W 4	2 31 59	7°10'38	5♈20	2°42	12°21	29°44	17°55	12°48	3° 8	26°45	24° 1	19°11	17°27	4°49	n.a.	W 4
T 5	2 35 55	8°11'42	17°33	4°17	13°36	0♍18	17°48	12°54	3° 9	26°44	24° 1	19° 7	17°24	4°56	n.a.	T 5
F 6	2 39 52	9°12'47	0♉ 1	5°51	14°52	0°51	17°41	13° 1	3°10	26°42	24° 2	19° 1	17°20	5° 2	n.a.	F 6
S 7	2 43 49	10°13'53	12°44	7°25	16° 7	1°25	17°34	13° 8	3°11	26°41	24° 3	18°53	17°17	5° 9	n.a.	S 7
S 8	2 47 45	11°15'00	25°41	8°59	17°23	1°58	17°27	13°14	3°12	26°40	24° 3	18°44	17°14	5°15	n.a.	S 8
M 9	2 51 42	12°16'08	8♊53	10°34	18°38	2°32	17°20	13°21	3°13	26°39	24° 4	18°34	17°11	5°22	n.a.	M 9
T 10	2 55 38	13°17'16	22°17	12° 8	19°54	3° 5	17°13	13°27	3°15	26°38	24° 5	18°24	17° 8	5°29	n.a.	T 10
W11	2 59 35	14°18'26	5♋52	13°42	21° 9	3°38	17° 7	13°34	3°16	26°37	24° 6	18°17	17° 5	5°35	n.a.	W11
T 12	3 3 31	15°19'36	19°36	15°17	22°25	4°11	17° 1	13°40	3°17	26°36	24° 6	18°11	17° 1	5°42	n.a.	T 12
F 13	3 7 28	16°20'47	3♌28	16°52	23°40	4°44	16°54	13°46	3°18	26°35	24° 7	18° 8	16°58	5°49	n.a.	F 13
S 14	3 11 25	17°21'59	17°27	18°26	24°55	5°17	16°48	13°53	3°20	26°34	24° 8	18°D 8	16°55	5°55	n.a.	S 14
S 15	3 15 21	18°23'12	1♍33	20° 1	26°11	5°49	16°42	13°59	3°21	26°33	24° 9	18° 8	16°52	6° 2	n.a.	S 15
M16	3 19 18	19°24'26	15°45	21°36	27°26	6°22	16°37	14° 5	3°22	26°32	24°10	18°R 9	16°49	6° 9	n.a.	M16
T 17	3 23 14	20°25'40	0♎ 1	23°12	28°42	6°55	16°31	14°11	3°24	26°32	24°11	18° 8	16°46	6°15	n.a.	T 17
W18	3 27 11	21°26'55	14°18	24°47	29°57	7°27	16°26	14°17	3°25	26°31	24°11	18° 5	16°42	6°22	n.a.	W18
T 19	3 31 7	22°28'11	28°34	26°22	1♐13	7°59	16°20	14°23	3°27	26°30	24°12	18° 0	16°39	6°29	n.a.	T 19
F 20	3 35 4	23°29'27	12♏43	27°58	2°28	8°32	16°15	14°30	3°29	26°29	24°13	17°51	16°36	6°35	n.a.	F 20
S 21	3 39 0	24°30'44	26°41	29°34	3°43	9° 4	16°10	14°36	3°30	26°28	24°14	17°41	16°33	6°42	n.a.	S 21
S 22	3 42 57	25°32'01	10♐22	1♐10	4°59	9°36	16° 5	14°41	3°32	26°28	24°15	17°29	16°30	6°49	n.a.	S 22
M23	3 46 54	26°33'18	23°43	2°47	6°14	10° 8	16° 1	14°47	3°34	26°27	24°16	17°17	16°26	6°55	n.a.	M23
T 24	3 50 50	27°34'36	6♑43	4°23	7°30	10°40	15°57	14°53	3°36	26°26	24°17	17° 6	16°23	7° 2	n.a.	T 24
W25	3 54 47	28°35'53	19°21	6° 0	8°45	11°11	15°52	14°59	3°37	26°26	24°18	16°57	16°20	7° 9	n.a.	W25
T 26	3 58 43	29°37'10	1♒41	7°37	10° 0	11°43	15°48	15° 5	3°39	26°25	24°20	16°51	16°17	7°15	n.a.	T 26
F 27	4 2 40	0♐38'27	13°45	9°14	11°16	12°14	15°45	15°10	3°41	26°25	24°21	16°48	16°14	7°22	n.a.	F 27
S 28	4 6 36	1°39'43	25°39	10°51	12°31	12°46	15°41	15°16	3°43	26°24	24°22	16°46	16°11	7°28	n.a.	S 28
S 29	4 10 33	2°40'59	7♓27	12°29	13°46	13°17	15°37	15°22	3°45	26°24	24°23	16°D46	16° 7	7°35	n.a.	S 29
M30	4 14 30	3♐42'15	19♓15	14♐ 6	15♐ 2	13♍48	15♈34	15♎27	3♒47	26♓23	24♑24	16°R46	16♓ 4	7♓42	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s 3	13s23	1s44	10s43	0n12	14s18	0n16	13n55	1n43	5n56	1s27	2s50	2n20	20s24	0s42	3s 4	1s57	32s 7	10s43	4s20	4s58	11s 5		n.a.
M 2	13 24	8 1	0 42	11 23	0 5	14 44	0 13	13 44	1 44	5 53	1 27	2 53	2 20	20 24	0 42	3 5	1 57	32 7	10 43	4 19	4 59	11 2		n.a.
T 3	13 45	2 21	0n22	12 3	0s 2	15 11	0 11	13 32	1 45	5 50	1 26	2 56	2 20	20 23	0 42	3 5	1 57	32 7	10 43	4 19	5 0	10 58		n.a.
W 4	14 5	3n27	1 26	12 42	0 8	15 36	0 9	13 21	1 45	5 47	1 26	2 58	2 20	20 23	0 42	3 6	1 57	32 6	10 42	4 20	5 1	10 55		n.a.
T 5	14 25	9 14	2 27	13 21	0 15	16 2	0 6	13 9	1 46	5 45	1 26	3 1	2 20	20 23	0 42	3 6	1 57	32 6	10 42	4 22	5 3	10 52		n.a.
F 6	14 45	14 46	3 22	13 59	0 21	16 27	0 4	12 58	1 46	5 42	1 26	3 3	2 20	20 23	0 42	3 7	1 57	32 6	10 42	4 24	5 4	10 48		n.a.
S 7	15 5	19 47	4 7	14 36	0 28	16 51	0 1	12 46	1 47	5 40	1 26	3 6	2 20	20 22	0 42	3 7	1 57	32 5	10 42	4 27	5 5	10 45		n.a.
S 8	15 24	23 59	4 41	15 13	0 34	17 15	0s 1	12 35	1 48	5 37	1 25	3 8	2 21	20 22	0 42	3 8	1 57	32 5	10 41	4 31	5 6	10 42		n.a.
M 9	15 43	27 1	5 1	15 49	0 40	17 39	0 3	12 23	1 48	5 35	1 25	3 11	2 21	20 22	0 42	3 8	1 57	32 5	10 41	4 35	5 8	10 39		n.a.
T 10	16 2	28 36	5 5	16 25	0 46	18 2	0 6	12 12	1 49	5 33	1 25	3 13	2 21	20 22	0 42	3 8	1 57	32 4	10 41	4 39	5 9	10 35		n.a.
W11	16 20	28 28	4 51	16 59	0 52	18 25	0 8	12 0	1 50	5 30	1 25	3 16	2 21	20 21	0 42	3 9	1 57	32 4	10 41	4 42	5 10	10 32		n.a.
T 12	16 39	26 36	4 21	17 33	0 58	18 47	0 11	11 48	1 50	5 28	1 24	3 18	2 21	20 21	0 42	3 9	1 57	32 4	10 41	4 44	5 11	10 29		n.a.
F 13	16 56	23 7	3 35	18 7	1 4	19 8	0 13	11 37	1 51	5 26	1 24	3 20	2 21	20 21	0 42	3 9	1 57	32 3	10 40	4 45	5 13	10 25		n.a.
S 14	17 14	18 17	2 36	18 39	1 9	19 30	0 15	11 25	1 51	5 24	1 24	3 23	2 21	20 20	0 42	3 10	1 57	32 3	10 40	4 45	5 14	10 22		n.a.
S 15	17 31	12 25	1 28	19 11	1 15	19 50	0 18	11 14	1 52	5 22	1 24	3 25	2 21	20 20	0 41	3 10	1 57	32 3	10 40	4 45	5 15	10 19		n.a.
M16	17 48	5 53	0 13	19 41	1 20	20 10	0 20	11 2	1 53	5 20	1 23	3 27	2 21	20 20	0 41	3 10	1 57	32 2	10 40	4 45	5 16	10 16		n.a.
T 17	18 5	0s58	1s 3	20 11	1 25	20 30	0 22	10 50	1 53	5 18	1 23	3 30	2 22	20 19	0 41	3 11	1 57	32 2	10 40	4 45	5 18	10 12		n.a.
W18	18 22	7 47	2 15	20 40	1 30	20 48	0 25	10 39	1 54	5 16	1 23	3 32	2 22	20 19	0 41	3 11	1 56	32 2	10 39	4 46	5 19	10 9		n.a.
T 19	18 38	14 11	3 18	21 7	1 34	21 7	0 27	10 27	1 55	5 14	1 22	3 34	2 22	20 18	0 41	3 11	1 56	32 1	10 39	4 48	5 20	10 6		n.a.
F 20	18 53	19 47	4 8	21 34	1 39	21 24	0 29	10 15	1 55	5 13	1 22	3 36	2 22	20 18	0 41	3 11	1 56	32 1	10 39	4 52	5 21	10 2		n.a.
S 21	19 9	24 14	4 42	22 0	1 43	21 41	0 32	10 4	1 56	5 11	1 22	3 39	2 22	20 17	0 41	3 12	1 56	32 0	10 39	4 56	5 23	9 59		n.a.
S 22	19 24	27 14	5 0	22 24	1 47	21 58	0 34	9 52	1 56	5 9	1 22	3 41	2 22	20 17	0 41	3 12	1 56	32 0	10 39	5 0	5 24	9 56		n.a.
M23	19 38	28 36	5 0	22 47	1 50	22 13	0 36	9 40	1 57	5 8	1 21	3 43	2 22	20 17	0 41	3 12	1 56	32 0	10 38	5 5	5 25	9 52		n.a.
T 24	19 52	28 19	4 45	23 10	1 54	22 29	0 38	9 29	1 58	5 6	1 21	3 45	2 22	20 16	0 41	3 12	1 56	31 59	10 38	5 10	5 26	9 49		n.a.
W25	20 6	26 33	4 16	23 30	1 57	22 43	0 41	9 17	1 58	5 5	1 21	3 47	2 23	20 16	0 41	3 12	1 56	31 59	10 38	5 13	5 28	9 46		n.a.
T 26	20 20	23 32	3 35	23 50	2 0	22 57	0 43	9 5	1 59	5 4	1 20	3 49	2 23	20 15	0 41	3 13	1 56	31 59	10 38	5 15	5 29	9 43		n.a.
F 27	20 33	19 33	2 46	24 8	2 2	23 10	0 45	8 54	2 0	5 3	1 20	3 51	2 23	20 15	0 41	3 13	1 56	31 58	10 38	5 17	5 30	9 39		n.a.
S 28	20 46	14 51	1 50	24 24	2 4	23 22	0 47	8 42	2 0	5 1	1 20	3 54	2 23	20 14	0 41	3 13	1 56	31 58	10 38	5 17	5 31	9 36		n.a.
S 29	20 58	9 39	0 49	24 40	2 5	23 34	0 49	8 31	2 1	5 0	1 20	3 56	2 23	20 14	0 41	3 13	1 56	31 57	10 37	5 17	5 33	9 33		n.a.
M30	21s10	4s 6	0n13	24s53	2s 7	23s45	0s51	8n19	2n 2	4n59	1s19	3s58	2n23	20s13	0s41	3s13	1s56	31s57	10s37	5s17	5s34	9s29		n.a.

Julian Day Number = 1563574.5, Delta T = 04h22m31s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'27, Lahiri = - 9°55'26 Julian Calendar 1 Nov. 433 BCE == Greg. Calendar 27 Oct. 433 BCE

The year -432 astronomical counting style corresponds to year 433 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 433 BCE
geocentric

DECEMBER 433 BCE (-432) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 18 26	4♐43'31	1♈ 9	15♐44	16♐17	14♍19	15°R31	15♎32	3♒50	26°R23	24♉25	16°R45	16♓ 1	7♓48	n.a.	T 1
W 2	4 22 23	5°44'46	13°14	17°21	17°32	14°49	15♈28	15°38	3°52	26♓22	24°27	16♓43	15°58	7°55	n.a.	W 2
T 3	4 26 19	6°46'01	25°33	18°59	18°47	15°20	15°26	15°43	3°54	26°22	24°28	16°37	15°55	8° 2	n.a.	T 3
F 4	4 30 16	7°47'15	8♉12	20°36	20° 3	15°51	15°23	15°48	3°56	26°22	24°29	16°29	15°52	8° 8	n.a.	F 4
S 5	4 34 12	8°48'29	21°10	22°13	21°18	16°21	15°21	15°54	3°58	26°22	24°30	16°18	15°48	8°15	n.a.	S 5
S 6	4 38 9	9°49'43	4♊29	23°49	22°33	16°51	15°19	15°59	4° 1	26°21	24°32	16° 5	15°45	8°22	n.a.	S 6
M 7	4 42 5	10°50'56	18° 5	25°25	23°48	17°21	15°17	16° 4	4° 3	26°21	24°33	15°52	15°42	8°28	n.a.	M 7
T 8	4 46 2	11°52'10	1♋56	26°59	25° 4	17°51	15°16	16° 9	4° 5	26°21	24°34	15°39	15°39	8°35	n.a.	T 8
W 9	4 49 59	12°53'22	15°58	28°33	26°19	18°21	15°14	16°14	4° 8	26°21	24°36	15°29	15°36	8°42	n.a.	W 9
T 10	4 53 55	13°54'35	0♌ 6	0♍ 6	27°34	18°51	15°13	16°18	4°10	26°21	24°37	15°21	15°32	8°48	n.a.	T 10
F 11	4 57 52	14°55'47	14°16	1°36	28°49	19°20	15°12	16°23	4°13	26°21	24°38	15°16	15°29	8°55	n.a.	F 11
S 12	5 1 48	15°56'59	28°25	3° 5	0♍ 4	19°50	15°11	16°28	4°15	26°D21	24°40	15°14	15°26	9° 2	n.a.	S 12
S 13	5 5 45	16°58'10	12♍32	4°31	1°19	20°19	15°10	16°32	4°18	26°21	24°41	15°13	15°23	9° 8	n.a.	S 13
M14	5 9 41	17°59'22	26°35	5°55	2°35	20°48	15°10	16°37	4°20	26°21	24°42	15°13	15°20	9°15	n.a.	M14
T 15	5 13 38	19° 0'33	10♎34	7°15	3°50	21°17	15°D10	16°41	4°23	26°21	24°44	15°12	15°17	9°21	n.a.	T 15
W16	5 17 34	20° 1'43	24°29	8°30	5° 5	21°45	15°10	16°46	4°26	26°21	24°45	15° 9	15°13	9°28	n.a.	W16
T 17	5 21 31	21° 2'53	8♏18	9°41	6°20	22°14	15°10	16°50	4°28	26°21	24°47	15° 2	15°10	9°35	n.a.	T 17
F 18	5 25 28	22° 4'03	21°59	10°46	7°35	22°42	15°11	16°54	4°31	26°21	24°48	14°53	15° 7	9°41	n.a.	F 18
S 19	5 29 24	23° 5'12	5♐31	11°45	8°50	23°10	15°11	16°59	4°34	26°21	24°50	14°41	15° 4	9°48	n.a.	S 19
S 20	5 33 21	24° 6'20	18°50	12°37	10° 5	23°38	15°12	17° 3	4°37	26°22	24°51	14°28	15° 1	9°55	n.a.	S 20
M21	5 37 17	25° 7'28	1♑55	13°21	11°20	24° 6	15°13	17° 7	4°39	26°22	24°53	14°14	14°58	10° 1	n.a.	M21
T 22	5 41 14	26° 8'34	14°43	13°55	12°35	24°33	15°14	17°11	4°42	26°22	24°54	14° 2	14°54	10° 8	n.a.	T 22
W23	5 45 10	27° 9'40	27°14	14°20	13°50	25° 0	15°16	17°14	4°45	26°23	24°56	13°51	14°51	10°15	n.a.	W23
T 24	5 49 7	28°10'44	9♒30	14°35	15° 5	25°27	15°18	17°18	4°48	26°23	24°57	13°44	14°48	10°21	n.a.	T 24
F 25	5 53 4	29°11'47	21°32	14°R38	16°20	25°54	15°19	17°22	4°51	26°23	24°59	13°39	14°45	10°28	n.a.	F 25
S 26	5 57 0	0♑12'49	3♓25	14°31	17°35	26°21	15°21	17°25	4°54	26°24	25° 1	13°37	14°42	10°35	n.a.	S 26
S 27	6 0 57	1°13'49	15°13	14°11	18°50	26°47	15°24	17°29	4°57	26°24	25° 2	13°D36	14°38	10°41	n.a.	S 27
M28	6 4 53	2°14'48	27° 0	13°41	20° 5	27°13	15°26	17°32	5° 0	26°25	25° 4	13°R37	14°35	10°48	n.a.	M28
T 29	6 8 50	3°15'46	8♈53	13° 0	21°20	27°39	15°29	17°36	5° 3	26°26	25° 5	13°37	14°32	10°55	n.a.	T 29
W30	6 12 46	4°16'42	20°58	12° 9	22°35	28° 5	15°32	17°39	5° 6	26°26	25° 7	13°35	14°29	11° 1	n.a.	W30
T 31	6 16 43	5♑17'37	3♉18	11♑11	23♑49	28♍31	15♈35	17♎42	5♒ 9	26♓27	25♑ 9	13♓31	14♓26	11♓ 8	n.a.	T 31

Day	☉	☽			☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat		decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	21 s21	1n37	1n16		25 s 5	2 s 7	23 s55	0 s53	8n 8	2n 2	4n59	1 s19	3 s59	2n24	20 s13	0 s41	3 s13	1 s56	31 s57	10 s37	5 s18	5 s35	9 s26			n.a.
W 2	21 33	7 22	2 15		25 16	2 8	24 4	0 55	7 56	2 3	4 58	1 19	4 1	2 24	20 12	0 41	3 13	1 56	31 56	10 37	5 19	5 36	9 23			n.a.
T 3	21 43	12 57	3 10		25 24	2 7	24 13	0 57	7 45	2 4	4 57	1 18	4 3	2 24	20 12	0 41	3 14	1 56	31 56	10 37	5 21	5 38	9 19			n.a.
F 4	21 53	18 9	3 57		25 31	2 7	24 21	0 59	7 34	2 4	4 56	1 18	4 5	2 24	20 11	0 41	3 14	1 56	31 56	10 37	5 24	5 39	9 16			n.a.
S 5	22 3	22 39	4 32		25 36	2 5	24 28	1 1	7 22	2 5	4 56	1 18	4 7	2 24	20 10	0 41	3 14	1 55	31 55	10 37	5 28	5 40	9 13			n.a.
S 6	22 13	26 7	4 54		25 40	2 4	24 35	1 3	7 11	2 6	4 55	1 17	4 9	2 24	20 10	0 41	3 14	1 55	31 55	10 36	5 33	5 41	9 9			n.a.
M 7	22 22	28 11	5 0		25 41	2 1	24 41	1 5	7 0	2 6	4 55	1 17	4 11	2 25	20 9	0 41	3 14	1 55	31 54	10 36	5 39	5 43	9 6			n.a.
T 8	22 30	28 32	4 48		25 41	1 58	24 46	1 6	6 48	2 7	4 55	1 17	4 12	2 25	20 9	0 41	3 14	1 55	31 54	10 36	5 44	5 44	9 3			n.a.
W 9	22 38	27 4	4 19		25 38	1 54	24 50	1 8	6 37	2 8	4 54	1 16	4 14	2 25	20 8	0 41	3 14	1 55	31 54	10 36	5 48	5 45	8 59			n.a.
T 10	22 46	23 52	3 34		25 34	1 49	24 53	1 10	6 26	2 8	4 54	1 16	4 16	2 25	20 7	0 41	3 14	1 55	31 53	10 36	5 51	5 46	8 56			n.a.
F 11	22 53	19 14	2 36		25 28	1 44	24 56	1 11	6 15	2 9	4 54	1 16	4 18	2 25	20 7	0 41	3 14	1 55	31 53	10 36	5 53	5 48	8 53			n.a.
S 12	23 0	13 33	1 28		25 20	1 37	24 58	1 13	6 4	2 10	4 54	1 15	4 19	2 25	20 6	0 41	3 14	1 55	31 52	10 36	5 54	5 49	8 49			n.a.
S 13	23 6	7 10	0 14		25 10	1 30	24 59	1 14	5 53	2 10	4 54	1 15	4 21	2 26	20 6	0 41	3 14	1 55	31 52	10 36	5 54	5 50	8 46			n.a.
M14	23 12	0 28	1 s 0		24 59	1 22	24 59	1 16	5 42	2 11	4 54	1 15	4 22	2 26	20 5	0 41	3 13	1 55	31 52	10 35	5 54	5 51	8 43			n.a.
T 15	23 17	6 s13	2 10		24 46	1 13	24 59	1 17	5 31	2 12	4 54	1 14	4 24	2 26	20 4	0 41	3 13	1 55	31 51	10 35	5 54	5 53	8 39			n.a.
W16	23 22	12 34	3 11		24 31	1 3	24 58	1 19	5 20	2 13	4 55	1 14	4 25	2 26	20 4	0 41	3 13	1 55	31 51	10 35	5 56	5 54	8 36			n.a.
T 17	23 27	18 15	4 1		24 15	0 51	24 56	1 20	5 9	2 13	4 55	1 14	4 27	2 26	20 3	0 41	3 13	1 55	31 50	10 35	5 58	5 55	8 33			n.a.
F 18	23 31	22 57	4 37		23 57	0 39	24 53	1 21	4 59	2 14	4 56	1 13	4 28	2 27	20 2	0 41	3 13	1 55	31 50	10 35	6 2	5 56	8 29			n.a.
S 19	23 34	26 22	4 56		23 39	0 26	24 49	1 22	4 48	2 15	4 56	1 13	4 30	2 27	20 2	0 41	3 13	1 55	31 50	10 35	6 6	5 57	8 26			n.a.
S 20	23 37	28 15	4 59		23 20	0 11	24 45	1 24	4 38	2 15	4 57	1 13	4 31	2 27	20 1	0 41	3 13	1 55	31 49	10 35	6 12	5 59	8 23			n.a.
M21	23 40	28 30	4 46		23 0	0n 4	24 40	1 25	4 27	2 16	4 57	1 12	4 33	2 27	20 0	0 41	3 13	1 54	31 49	10 35	6 17	6 0	8 19			n.a.
T 22	23 42	27 13	4 19		22 41	0 20	24 34	1 26	4 17	2 17	4 58	1 12	4 34	2 27	19 59	0 41	3 12	1 54	31 49	10 35	6 22	6 1	8 16			n.a.
W23	23 43	24 34	3 39		22 21	0 37	24 27	1 27	4 6	2 18	4 59	1 12	4 35	2 28	19 59	0 41	3 12	1 54	31 48	10 35	6 26	6 2	8 12			n.a.
T 24	23 44	20 50	2 50		22 2	0 55	24 20	1 28	3 56	2 18	5 0	1 11	4 36	2 28	19 58	0 41	3 12	1 54	31 48	10 34	6 29	6 4	8 9			n.a.
F 25	23 45	16 18	1 54		21 43	1 13	24 12	1 28	3 46	2 19	5 1	1 11	4 38	2 28	19 57	0 41	3 12	1 54	31 47	10 34	6 31	6 5	8 6			n.a.
S 26	23 45	11 13	0 54		21 26	1 32	24 3	1 29	3 36	2 20	5 2	1 11	4 39	2 28	19 57	0 41	3 11	1 54	31 47	10 34	6 31	6 6	8 2			n.a.
S 27	23 45	5 46	0n 9		21 9	1 50	23 53	1 30	3 26	2 20	5 3	1 10	4 40	2 29	19 56	0 40	3 11	1 54	31 47	10 34	6 32	6 7	7 59			n.a.
M28	23 44	0 8	1 11		20 54	2 8	23 43	1 30	3 16	2 21	5 5	1 10	4 41	2 29	19 55	0 40	3 11	1 54	31 46	10 34	6 32	6 9	7 56			n.a.
T 29	23 43	5n34	2 10		20 41	2 26	23 32	1 31	3 6	2 22	5 6	1 10	4 42	2 29	19 54	0 40	3 11	1 54	31 46	10 34	6 32	6 10	7 52			n.a.
W30	23 41	11 8	3 5		20 29	2 42	23 20	1 32	2 57	2 23	5 7	1 9	4 43	2 29	19 54	0 40	3 10	1 54	31 46	10 34	6 32	6 11	7 49			n.a.
T 31	23 s39	16n24	3n52		20 s20	2n57	23 s 8	1 s32	2n47	2n23	5n 9	1 s 9	4 s44	2n29	19 s53	0 s40	3 s10	1 s54	31 s45	10 s34	6 s34	6 s12	7 s46			n.a.

Julian Day Number = 1563604.5, Delta T = 04h22m29s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'22, Lahiri = - 9°55'22 Julian Calendar 1 Dec. 433 BCE == Greg. Calendar 26 Nov. 433 BCE

The year -432 astronomical counting style corresponds to year 433 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

JANUARY 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 20 39	6♑18'30	16♉ 0	10°R 5	25♑ 4	28♍56	15♈38	17♎45	5♒12	26♓27	25♑10	13°R25	14♓23	11♓14	n.a.	F 1
S 2	6 24 36	7°19'21	29° 5	8♑55	26°19	29°21	15°42	17°48	5°15	26°28	25°12	13♓17	14°19	11°21	n.a.	S 2
S 3	6 28 33	8°20'12	12♊34	7°43	27°34	29°45	15°45	17°51	5°19	26°29	25°14	13° 7	14°16	11°28	n.a.	S 3
M 4	6 32 29	9°21'01	26°28	6°30	28°48	0♎10	15°49	17°53	5°22	26°30	25°15	12°56	14°13	11°34	n.a.	M 4
T 5	6 36 26	10°21'48	10♋42	5°19	0♒ 3	0°34	15°53	17°56	5°25	26°30	25°17	12°45	14°10	11°41	n.a.	T 5
W 6	6 40 22	11°22'34	25°10	4°11	1°18	0°58	15°57	17°59	5°28	26°31	25°19	12°36	14° 7	11°48	n.a.	W 6
T 7	6 44 19	12°23'19	9♌45	3° 7	2°32	1°22	16° 2	18° 1	5°31	26°32	25°20	12°30	14° 4	11°54	n.a.	T 7
F 8	6 48 15	13°24'02	24°22	2°10	3°47	1°45	16° 6	18° 4	5°35	26°33	25°22	12°26	14° 0	12° 1	n.a.	F 8
S 9	6 52 12	14°24'44	8♍53	1°20	5° 2	2° 8	16°11	18° 6	5°38	26°34	25°24	12°D24	13°57	12° 8	n.a.	S 9
S 10	6 56 9	15°25'24	23°15	0°38	6°16	2°31	16°16	18° 8	5°41	26°35	25°25	12°25	13°54	12°14	n.a.	S 10
M11	7 0 5	16°26'03	7♎26	0° 3	7°31	2°53	16°21	18°10	5°44	26°36	25°27	12°26	13°51	12°21	n.a.	M11
T 12	7 4 2	17°26'41	21°23	29♐36	8°45	3°15	16°26	18°12	5°48	26°37	25°29	12°R26	13°48	12°28	n.a.	T 12
W13	7 7 58	18°27'18	5♏ 8	29°18	10° 0	3°37	16°32	18°14	5°51	26°38	25°30	12°24	13°44	12°34	n.a.	W13
T 14	7 11 55	19°27'54	18°40	29° 7	11°14	3°58	16°37	18°16	5°54	26°39	25°32	12°21	13°41	12°41	n.a.	T 14
F 15	7 15 51	20°28'28	2♐ 0	29°D 3	12°29	4°19	16°43	18°18	5°58	26°40	25°34	12°15	13°38	12°48	n.a.	F 15
S 16	7 19 48	21°29'01	15° 8	29° 7	13°43	4°40	16°49	18°19	6° 1	26°41	25°35	12° 7	13°35	12°54	n.a.	S 16
S 17	7 23 44	22°29'32	28° 3	29°17	14°57	5° 0	16°55	18°21	6° 4	26°43	25°37	11°58	13°32	13° 1	n.a.	S 17
M18	7 27 41	23°30'01	10♑46	29°33	16°12	5°20	17° 1	18°22	6° 8	26°44	25°39	11°48	13°29	13° 7	n.a.	M18
T 19	7 31 38	24°30'29	23°16	29°55	17°26	5°40	17° 8	18°24	6°11	26°45	25°41	11°40	13°25	13°14	n.a.	T 19
W20	7 35 34	25°30'55	5♒34	0♑22	18°40	5°59	17°14	18°25	6°15	26°46	25°42	11°33	13°22	13°21	n.a.	W20
T 21	7 39 31	26°31'19	17°41	0°54	19°55	6°18	17°21	18°26	6°18	26°48	25°44	11°27	13°19	13°27	n.a.	T 21
F 22	7 43 27	27°31'42	29°39	1°31	21° 9	6°37	17°28	18°27	6°21	26°49	25°46	11°25	13°16	13°34	n.a.	F 22
S 23	7 47 24	28°32'02	11♓29	2°12	22°23	6°55	17°35	18°28	6°25	26°50	25°47	11°D24	13°13	13°41	n.a.	S 23
S 24	7 51 20	29°32'20	23°16	2°57	23°37	7°12	17°42	18°29	6°28	26°52	25°49	11°24	13°10	13°47	n.a.	S 24
M25	7 55 17	0♒32'36	5♈ 3	3°46	24°51	7°29	17°50	18°29	6°32	26°53	25°51	11°26	13° 6	13°54	n.a.	M25
T 26	7 59 13	1°32'50	16°55	4°38	26° 5	7°46	17°57	18°30	6°35	26°55	25°53	11°28	13° 3	14° 1	n.a.	T 26
W27	8 3 10	2°33'01	28°58	5°33	27°19	8° 2	18° 5	18°30	6°38	26°56	25°54	11°R29	13° 0	14° 7	n.a.	W27
T 28	8 7 7	3°33'11	11♉16	6°31	28°33	8°18	18°13	18°31	6°42	26°57	25°56	11°28	12°57	14°14	n.a.	T 28
F 29	8 11 3	4°33'18	23°54	7°32	29°47	8°34	18°21	18°31	6°45	26°59	25°58	11°26	12°54	14°21	n.a.	F 29
S 30	8 15 0	5°33'24	6♊57	8°35	1♓ 1	8°49	18°29	18°31	6°49	27° 1	25°59	11°23	12°50	14°27	n.a.	S 30
S 31	8 18 56	6♒33'27	20♊26	9♑41	2♓15	9♎ 3	18♈37	18♎31	6♒52	27♓ 2	26♑ 1	11♓18	12♓47	14♓34	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s36	21n 8	4n30	20s11	3n11	22s55	1s32	2n38	2n24	5n10	1s 9	4s45	2n30	19s52	0s40	3s10	1s54	31s45	10s34	6s36	6s14	7s42		n.a.
S 2	23 33	24 59	4 54	20 5	3 22	22 41	1 33	2 28	2 25	5 12	1 9	4 46	2 30	19 51	0 40	3 9	1 54	31 44	10 34	6 39	6 15	7 39		n.a.
S 3	23 29	27 36	5 3	20 1	3 31	22 26	1 33	2 19	2 25	5 14	1 8	4 47	2 30	19 50	0 40	3 9	1 54	31 44	10 34	6 43	6 16	7 35		n.a.
M 4	23 25	28 37	4 55	19 58	3 38	22 11	1 33	2 10	2 26	5 16	1 8	4 48	2 30	19 50	0 40	3 9	1 54	31 44	10 34	6 47	6 17	7 32		n.a.
T 5	23 20	27 46	4 28	19 57	3 42	21 55	1 33	2 1	2 27	5 17	1 8	4 49	2 31	19 49	0 40	3 8	1 54	31 43	10 34	6 52	6 19	7 29		n.a.
W 6	23 15	25 3	3 44	19 57	3 44	21 39	1 33	1 52	2 28	5 19	1 7	4 49	2 31	19 48	0 40	3 8	1 54	31 43	10 34	6 55	6 20	7 25		n.a.
T 7	23 10	20 41	2 45	20 0	3 43	21 22	1 33	1 43	2 28	5 21	1 7	4 50	2 31	19 47	0 40	3 8	1 53	31 43	10 34	6 58	6 21	7 22		n.a.
F 8	23 4	15 4	1 35	20 3	3 41	21 4	1 33	1 34	2 29	5 23	1 7	4 51	2 31	19 46	0 40	3 7	1 53	31 42	10 34	6 59	6 22	7 18		n.a.
S 9	22 58	8 38	0 19	20 8	3 36	20 46	1 33	1 26	2 30	5 26	1 6	4 51	2 32	19 46	0 40	3 7	1 53	31 42	10 34	7 0	6 24	7 15		n.a.
S 10	22 51	1 50	0s58	20 15	3 30	20 27	1 33	1 17	2 31	5 28	1 6	4 52	2 32	19 45	0 40	3 6	1 53	31 42	10 34	6 59	6 25	7 12		n.a.
M11	22 43	4s58	2 10	20 22	3 23	20 7	1 32	1 9	2 31	5 30	1 6	4 53	2 32	19 44	0 40	3 6	1 53	31 41	10 34	6 59	6 26	7 8		n.a.
T 12	22 36	11 26	3 13	20 30	3 14	19 47	1 32	1 1	2 32	5 32	1 5	4 53	2 32	19 43	0 40	3 5	1 53	31 41	10 34	6 59	6 27	7 5		n.a.
W13	22 28	17 14	4 4	20 40	3 5	19 26	1 32	0 53	2 33	5 35	1 5	4 54	2 33	19 42	0 40	3 5	1 53	31 41	10 34	7 0	6 28	7 2		n.a.
T 14	22 19	22 6	4 41	20 50	2 55	19 5	1 31	0 45	2 33	5 37	1 5	4 54	2 33	19 41	0 40	3 4	1 53	31 40	10 34	7 1	6 30	6 58		n.a.
F 15	22 10	25 45	5 2	21 1	2 44	18 44	1 31	0 37	2 34	5 40	1 5	4 55	2 33	19 41	0 40	3 4	1 53	31 40	10 34	7 3	6 31	6 55		n.a.
S 16	22 1	27 59	5 6	21 12	2 33	18 21	1 30	0 29	2 35	5 42	1 4	4 55	2 33	19 40	0 40	3 3	1 53	31 40	10 34	7 6	6 32	6 51		n.a.
S 17	21 51	28 39	4 55	21 23	2 21	17 59	1 29	0 22	2 36	5 45	1 4	4 55	2 33	19 39	0 40	3 3	1 53	31 39	10 34	7 10	6 33	6 48		n.a.
M18	21 40	27 46	4 29	21 35	2 10	17 35	1 28	0 14	2 36	5 48	1 4	4 56	2 34	19 38	0 40	3 2	1 53	31 39	10 34	7 13	6 35	6 45		n.a.
T 19	21 30	25 30	3 50	21 47	1 58	17 12	1 27	0 7	2 37	5 50	1 3	4 56	2 34	19 37	0 40	3 2	1 53	31 39	10 34	7 17	6 36	6 41		n.a.
W20	21 19	22 3	3 1	21 59	1 46	16 48	1 26	0 0	2 38	5 53	1 3	4 56	2 34	19 36	0 40	3 1	1 53	31 39	10 34	7 20	6 37	6 38		n.a.
T 21	21 7	17 43	2 5	22 10	1 34	16 23	1 25	0s 7	2 38	5 56	1 3	4 56	2 34	19 35	0 40	3 1	1 53	31 38	10 34	7 21	6 38	6 34		n.a.
F 22	20 56	12 44	1 3	22 22	1 23	15 58	1 24	0 14	2 39	5 59	1 3	4 56	2 35	19 35	0 40	3 0	1 53	31 38	10 34	7 23	6 40	6 31		n.a.
S 23	20 43	7 21	0n 0	22 33	1 11	15 32	1 23	0 20	2 40	6 2	1 2	4 57	2 35	19 34	0 40	2 59	1 53	31 38	10 34	7 23	6 41	6 28		n.a.
S 24	20 31	1 44	1 4	22 43	1 0	15 7	1 22	0 27	2 41	6 5	1 2	4 57	2 35	19 33	0 40	2 59	1 52	31 37	10 34	7 23	6 42	6 24		n.a.
M25	20 18	3n56	2 5	22 53	0 49	14 40	1 21	0 33	2 41	6 8	1 2	4 57	2 35	19 32	0 40	2 58	1 52	31 37	10 34	7 22	6 43	6 21		n.a.
T 26	20 4	9 31	3 1	23 2	0 38	14 14	1 19	0 39	2 42	6 11	1 1	4 57	2 36	19 31	0 40	2 58	1 52	31 37	10 34	7 21	6 45	6 17		n.a.
W27	19 51	14 49	3 50	23 11	0 27	13 47	1 18	0 45	2 43	6 14	1 1	4 57	2 36	19 30	0 40	2 57	1 52	31 37	10 35	7 21	6 46	6 14		n.a.
T 28	19 37	19 40	4 30	23 18	0 17	13 19	1 16	0 50	2 43	6 18	1 1	4 57	2 36	19 29	0 40	2 56	1 52	31 36	10 35	7 21	6 47	6 11		n.a.
F 29	19 22	23 47	4 57	23 25	0 7	12 52	1 15	0 56	2 44	6 21	1 1	4 57	2 36	19 28	0 40	2 56	1 52	31 36	10 35	7 22	6 48	6 7		n.a.
S 30	19 8	26 51	5 11	23 31	0s 3	12 24	1 13	1 1	2 45	6 24	1 0	4 56	2 37	19 28	0 40	2 55	1 52	31 36	10 35	7 23	6 49	6 4		n.a.
S 31	18s53	28n31	5n 8	23s36	0s12	11s55	1s12	1s 6	2n45	6n28	1s 0	4s56	2n37	19s27	0s40	2s54	1s52	31s35	10s35	7s25	6s51	6s 0		n.a.

Julian Day Number = 1563635.5, Delta T = 04h22m28s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'18, Lahiri = - 9°55'18 Julian Calendar 1 Jan. 432 BCE == Greg. Calendar 27 Dec. 433 BCE

The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

FEBRUARY 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 22 53	7♒33'27	4♋23	10♉48	3♓29	9♎17	18♈45	18°R31	6♒56	27♓ 4	26♉ 3	11°R13	12♓44	14♓40	n.a.	M 1
T 2	8 26 49	8°33'26	18°45	11°58	4°42	9°30	18°54	18♎31	6°59	27° 5	26° 4	11♓ 8	12°41	14°47	n.a.	T 2
W 3	8 30 46	9°33'22	3♌28	13°10	5°56	9°43	19° 3	18°31	7° 3	27° 7	26° 6	11° 4	12°38	14°54	n.a.	W 3
T 4	8 34 42	10°33'17	18°23	14°24	7°10	9°56	19°11	18°31	7° 6	27° 9	26° 8	11° 0	12°35	15° 0	n.a.	T 4
F 5	8 38 39	11°33'09	3♍24	15°40	8°23	10° 8	19°20	18°30	7° 9	27°10	26° 9	10°59	12°31	15° 7	n.a.	F 5
S 6	8 42 36	12°32'59	18°20	16°57	9°37	10°19	19°29	18°30	7°13	27°12	26°11	10°D59	12°28	15°14	n.a.	S 6
S 7	8 46 32	13°32'47	3♎ 5	18°16	10°50	10°30	19°38	18°29	7°16	27°14	26°13	11° 0	12°25	15°20	n.a.	S 7
M 8	8 50 29	14°32'34	17°34	19°36	12° 4	10°40	19°48	18°29	7°20	27°15	26°14	11° 1	12°22	15°27	n.a.	M 8
T 9	8 54 25	15°32'19	1♏44	20°59	13°17	10°49	19°57	18°28	7°23	27°17	26°16	11° 3	12°19	15°34	n.a.	T 9
W10	8 58 22	16°32'02	15°32	22°22	14°31	10°58	20° 7	18°27	7°27	27°19	26°18	11°R 3	12°16	15°40	n.a.	W10
T 11	9 2 18	17°31'43	29° 0	23°47	15°44	11° 7	20°16	18°26	7°30	27°21	26°19	11° 3	12°12	15°47	n.a.	T 11
F 12	9 6 15	18°31'22	12♐10	25°14	16°57	11°15	20°26	18°25	7°33	27°23	26°21	11° 1	12° 9	15°54	n.a.	F 12
S 13	9 10 11	19°31'00	25° 2	26°42	18°11	11°22	20°36	18°24	7°37	27°25	26°23	10°59	12° 6	16° 0	n.a.	S 13
S 14	9 14 8	20°30'36	7♑40	28°11	19°24	11°28	20°46	18°22	7°40	27°26	26°24	10°56	12° 3	16° 7	n.a.	S 14
M15	9 18 4	21°30'10	20° 4	29°42	20°37	11°34	20°56	18°21	7°44	27°28	26°26	10°52	12° 0	16°14	n.a.	M15
T 16	9 22 1	22°29'41	2♒18	1♒14	21°50	11°39	21° 6	18°20	7°47	27°30	26°27	10°50	11°56	16°20	n.a.	T 16
W17	9 25 58	23°29'11	14°22	2°47	23° 3	11°44	21°16	18°18	7°50	27°32	26°29	10°47	11°53	16°27	n.a.	W17
T 18	9 29 54	24°28'38	26°19	4°22	24°16	11°47	21°27	18°16	7°54	27°34	26°30	10°46	11°50	16°33	n.a.	T 18
F 19	9 33 51	25°28'04	8♓10	5°58	25°29	11°50	21°37	18°15	7°57	27°36	26°32	10°D45	11°47	16°40	n.a.	F 19
S 20	9 37 47	26°27'27	19°58	7°35	26°42	11°53	21°48	18°13	8° 0	27°38	26°33	10°45	11°44	16°47	n.a.	S 20
S 21	9 41 44	27°26'48	1♈44	9°13	27°54	11°55	21°59	18°11	8° 4	27°40	26°35	10°46	11°41	16°53	n.a.	S 21
M22	9 45 40	28°26'06	13°33	10°53	29° 7	11°55	22° 9	18° 9	8° 7	27°42	26°37	10°47	11°37	17° 0	n.a.	M22
T 23	9 49 37	29°25'22	25°28	12°35	0♈20	11°R56	22°20	18° 7	8°10	27°44	26°38	10°48	11°34	17° 7	n.a.	T 23
W24	9 53 33	0♓24'36	7♉31	14°17	1°32	11°55	22°31	18° 4	8°13	27°46	26°39	10°49	11°31	17°13	n.a.	W24
T 25	9 57 30	1°23'47	19°48	16° 1	2°45	11°54	22°42	18° 2	8°17	27°48	26°41	10°50	11°28	17°20	n.a.	T 25
F 26	10 1 27	2°22'57	2♊23	17°47	3°57	11°52	22°53	18° 0	8°20	27°50	26°42	10°R50	11°25	17°27	n.a.	F 26
S 27	10 5 23	3°22'03	15°20	19°33	5°10	11°49	23° 5	17°57	8°23	27°52	26°44	10°50	11°22	17°33	n.a.	S 27
S 28	10 9 20	4♓21'08	28♊43	21♒21	6♈22	11♎46	23♈16	17♎55	8♒26	27♓54	26♉45	10♓50	11♓18	17♓40	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s37	28n27	4n47	23s40	0s22	11s27	1s10	1s11	2n46	6n31	1s 0	4s56	2n37	19s26	0s40	2s54	1s52	31s35	10s35	7s27	6s52	5s57		n.a.
T 2	18 21	26 30	4 8	23 42	0 30	10 58	1 8	1 16	2 47	6 35	1 0	4 56	2 37	19 25	0 40	2 53	1 52	31 35	10 35	7 29	6 53	5 54		n.a.
W 3	18 5	22 44	3 11	23 44	0 39	10 28	1 6	1 21	2 47	6 38	0 59	4 55	2 38	19 24	0 40	2 52	1 52	31 35	10 35	7 31	6 54	5 50		n.a.
T 4	17 49	17 25	2 1	23 45	0 47	9 59	1 4	1 25	2 48	6 42	0 59	4 55	2 38	19 23	0 40	2 52	1 52	31 35	10 35	7 32	6 56	5 47		n.a.
F 5	17 32	11 2	0 42	23 44	0 55	9 29	1 2	1 29	2 48	6 45	0 59	4 55	2 38	19 22	0 40	2 51	1 52	31 34	10 35	7 32	6 57	5 43		n.a.
S 6	17 16	4 3	0s40	23 42	1 3	8 59	1 0	1 33	2 49	6 49	0 59	4 54	2 38	19 21	0 40	2 50	1 52	31 34	10 36	7 32	6 58	5 40		n.a.
S 7	16 58	3s 3	1 59	23 38	1 10	8 29	0 58	1 37	2 49	6 53	0 58	4 54	2 39	19 21	0 40	2 49	1 52	31 34	10 36	7 32	6 59	5 37		n.a.
M 8	16 41	9 52	3 8	23 34	1 17	7 59	0 56	1 40	2 50	6 57	0 58	4 53	2 39	19 20	0 40	2 49	1 52	31 34	10 36	7 32	7 1	5 33		n.a.
T 9	16 23	16 2	4 4	23 27	1 23	7 28	0 54	1 44	2 51	7 0	0 58	4 53	2 39	19 19	0 40	2 48	1 52	31 33	10 36	7 31	7 2	5 30		n.a.
W10	16 5	21 14	4 44	23 20	1 29	6 58	0 51	1 47	2 51	7 4	0 58	4 52	2 39	19 18	0 40	2 47	1 52	31 33	10 36	7 31	7 3	5 26		n.a.
T 11	15 47	25 12	5 8	23 11	1 35	6 27	0 49	1 50	2 52	7 8	0 57	4 52	2 40	19 17	0 40	2 46	1 52	31 33	10 36	7 31	7 4	5 23		n.a.
F 12	15 28	27 44	5 15	23 0	1 40	5 56	0 47	1 52	2 52	7 12	0 57	4 51	2 40	19 16	0 40	2 46	1 52	31 33	10 36	7 32	7 5	5 19		n.a.
S 13	15 9	28 45	5 6	22 48	1 45	5 25	0 44	1 55	2 52	7 16	0 57	4 50	2 40	19 15	0 40	2 45	1 52	31 33	10 36	7 33	7 7	5 16		n.a.
S 14	14 50	28 13	4 41	22 35	1 50	4 53	0 42	1 57	2 53	7 20	0 57	4 50	2 40	19 14	0 40	2 44	1 52	31 32	10 37	7 34	7 8	5 13		n.a.
M15	14 31	26 15	4 5	22 20	1 54	4 22	0 39	1 59	2 53	7 24	0 56	4 49	2 40	19 14	0 40	2 43	1 52	31 32	10 37	7 35	7 9	5 9		n.a.
T 16	14 12	23 6	3 17	22 3	1 58	3 50	0 37	2 0	2 54	7 28	0 56	4 48	2 41	19 13	0 40	2 42	1 52	31 32	10 37	7 36	7 10	5 6		n.a.
W17	13 52	18 59	2 21	21 45	2 1	3 19	0 34	2 2	2 54	7 32	0 56	4 47	2 41	19 12	0 40	2 42	1 51	31 32	10 37	7 37	7 12	5 2		n.a.
T 18	13 32	14 9	1 19	21 25	2 4	2 47	0 31	2 3	2 54	7 36	0 56	4 47	2 41	19 11	0 40	2 41	1 51	31 32	10 37	7 38	7 13	4 59		n.a.
F 19	13 12	8 50	0 14	21 4	2 6	2 15	0 28	2 4	2 55	7 41	0 56	4 46	2 41	19 10	0 40	2 40	1 51	31 32	10 37	7 38	7 14	4 55		n.a.
S 20	12 51	3 15	0n51	20 41	2 8	1 43	0 26	2 5	2 55	7 45	0 55	4 45	2 42	19 9	0 40	2 39	1 51	31 32	10 38	7 38	7 15	4 52		n.a.
S 21	12 31	2n26	1 54	20 16	2 10	1 11	0 23	2 5	2 55	7 49	0 55	4 44	2 42	19 8	0 40	2 38	1 51	31 31	10 38	7 37	7 16	4 49		n.a.
M22	12 10	8 3	2 52	19 50	2 11	0 40	0 20	2 5	2 55	7 53	0 55	4 43	2 42	19 7	0 40	2 37	1 51	31 31	10 38	7 37	7 18	4 45		n.a.
T 23	11 49	13 26	3 43	19 21	2 12	0 8	0 17	2 5	2 56	7 58	0 55	4 42	2 42	19 7	0 40	2 37	1 51	31 31	10 38	7 36	7 19	4 42		n.a.
W24	11 28	18 22	4 26	18 52	2 12	0n24	0 14	2 5	2 56	8 2	0 55	4 41	2 42	19 6	0 40	2 36	1 51	31 31	10 38	7 36	7 20	4 38		n.a.
T 25	11 7	22 40	4 57	18 20	2 12	0 56	0 11	2 4	2 56	8 6	0 54	4 40	2 43	19 5	0 41	2 35	1 51	31 31	10 39	7 36	7 21	4 35		n.a.
F 26	10 46	26 2	5 14	17 47	2 11	1 28	0 8	2 3	2 56	8 11	0 54	4 39	2 43	19 4	0 41	2 34	1 51	31 31	10 39	7 36	7 23	4 31		n.a.
S 27	10 24	28 11	5 17	17 12	2 10	2 0	0 5	2 2	2 56	8 15	0 54	4 38	2 43	19 3	0 41	2 33	1 51	31 31	10 39	7 36	7 24	4 28		n.a.
S 28	10s 2	28n47	5n 2	16s35	2s 8	2n32	0s 2	2s 1	2n56	8n19	0s54	4s36	2n43	19s 2	0s41	2s32	1s51	31s31	10s39	7s36	7s25	4s25		n.a.

Julian Day Number = 1563666.5, Delta T = 04h22m27s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'14, Lahiri = - 9°55'14 Julian Calendar 1 Feb. 432 BCE == Greg. Calendar 27 Jan. 432 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

MARCH 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 13 16	5♓20'09	12♋32	23♒11	7♈34	11°R41	23♈27	17°R52	8♒29	27♓57	26♑47	10°R49	11♓15	17♓47	n.a.	M 1
T 2	10 17 13	6°19'09	26°48	25° 2	8°47	11♎36	23°39	17♎49	8°33	27°59	26°48	10♓49	11°12	17°53	n.a.	T 2
W 3	10 21 9	7°18'06	11♌29	26°54	9°59	11°30	23°51	17°47	8°36	28° 1	26°49	10°48	11° 9	18° 0	n.a.	W 3
T 4	10 25 6	8°17'01	26°28	28°48	11°11	11°24	24° 2	17°44	8°39	28° 3	26°51	10°48	11° 6	18° 7	n.a.	T 4
F 5	10 29 2	9°15'53	11♍39	0♓43	12°23	11°17	24°14	17°41	8°42	28° 5	26°52	10°D48	11° 2	18°13	n.a.	F 5
S 6	10 32 59	10°14'44	26°51	2°40	13°35	11° 9	24°26	17°38	8°45	28° 7	26°53	10°48	10°59	18°20	n.a.	S 6
S 7	10 36 55	11°13'32	11♎55	4°37	14°46	11° 0	24°38	17°35	8°48	28°10	26°55	10°R48	10°56	18°26	n.a.	S 7
M 8	10 40 52	12°12'18	26°43	6°37	15°58	10°50	24°50	17°32	8°51	28°12	26°56	10°48	10°53	18°33	n.a.	M 8
T 9	10 44 49	13°11'03	11♏ 9	8°37	17°10	10°40	25° 2	17°28	8°54	28°14	26°57	10°48	10°50	18°40	n.a.	T 9
W10	10 48 45	14° 9'46	25° 9	10°39	18°21	10°29	25°14	17°25	8°57	28°16	26°59	10°47	10°47	18°46	n.a.	W10
T 11	10 52 42	15° 8'27	8♐44	12°42	19°33	10°17	25°26	17°22	9° 0	28°18	27° 0	10°47	10°43	18°53	n.a.	T 11
F 12	10 56 38	16° 7'06	21°53	14°46	20°44	10° 4	25°38	17°18	9° 3	28°21	27° 1	10°D47	10°40	19° 0	n.a.	F 12
S 13	11 0 35	17° 5'44	4♑41	16°51	21°56	9°51	25°51	17°15	9° 6	28°23	27° 2	10°47	10°37	19° 6	n.a.	S 13
S 14	11 4 31	18° 4'20	17°10	18°57	23° 7	9°37	26° 3	17°11	9° 9	28°25	27° 3	10°48	10°34	19°13	n.a.	S 14
M15	11 8 28	19° 2'54	29°24	21° 3	24°18	9°22	26°15	17° 8	9°11	28°27	27° 5	10°49	10°31	19°20	n.a.	M15
T 16	11 12 24	20° 1'26	11♒26	23°10	25°29	9° 7	26°28	17° 4	9°14	28°29	27° 6	10°50	10°27	19°26	n.a.	T 16
W17	11 16 21	20°59'56	23°21	25°17	26°40	8°51	26°40	17° 0	9°17	28°32	27° 7	10°50	10°24	19°33	n.a.	W17
T 18	11 20 18	21°58'25	5♓10	27°24	27°51	8°34	26°53	16°56	9°20	28°34	27° 8	10°R51	10°21	19°40	n.a.	T 18
F 19	11 24 14	22°56'51	16°57	29°31	29° 2	8°17	27° 6	16°53	9°22	28°36	27° 9	10°51	10°18	19°46	n.a.	F 19
S 20	11 28 11	23°55'15	28°44	1♈37	0♉13	7°59	27°18	16°49	9°25	28°38	27°10	10°50	10°15	19°53	n.a.	S 20
S 21	11 32 7	24°53'38	10♈34	3°42	1°23	7°41	27°31	16°45	9°28	28°41	27°11	10°49	10°12	20° 0	n.a.	S 21
M22	11 36 4	25°51'58	22°28	5°46	2°34	7°22	27°44	16°41	9°30	28°43	27°12	10°47	10° 8	20° 6	n.a.	M22
T 23	11 40 0	26°50'17	4♉29	7°49	3°44	7° 3	27°57	16°37	9°33	28°45	27°13	10°45	10° 5	20°13	n.a.	T 23
W24	11 43 57	27°48'33	16°39	9°49	4°55	6°43	28°10	16°33	9°36	28°47	27°14	10°42	10° 2	20°19	n.a.	W24
T 25	11 47 53	28°46'48	29° 1	11°48	6° 5	6°23	28°23	16°29	9°38	28°50	27°15	10°40	9°59	20°26	n.a.	T 25
F 26	11 51 50	29°45'00	11♊38	13°43	7°15	6° 2	28°36	16°24	9°41	28°52	27°16	10°38	9°56	20°33	n.a.	F 26
S 27	11 55 47	0♈43'10	24°32	15°37	8°25	5°41	28°49	16°20	9°43	28°54	27°17	10°37	9°53	20°39	n.a.	S 27
S 28	11 59 43	1°41'19	7♋48	17°27	9°35	5°20	29° 2	16°16	9°45	28°56	27°18	10°D37	9°49	20°46	n.a.	S 28
M29	12 3 40	2°39'25	21°28	19°14	10°45	4°59	29°15	16°12	9°48	28°59	27°19	10°38	9°46	20°53	n.a.	M29
T 30	12 7 36	3°37'29	5♌31	20°57	11°55	4°38	29°29	16° 7	9°50	29° 1	27°20	10°39	9°43	20°59	n.a.	T 30
W31	12 11 33	4♈35'31	19♌59	22♈37	13♉ 5	4♎16	29♈42	16♎ 3	9♒53	29♓ 3	27♑21	10♓41	9♓40	21♓ 6	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	9s41	27n38	4n30	15s57	2s 6	3n 3	0n 1	1s59	2n56	8n24	0s54	4s35	2n43	19s 2	0s41	2s31	1s51	31s31	10s39	7s36	7s26	4s21			n.a.
T 2	9 19	24 41	3 41	15 16	2 3	3 35	0 4	1 57	2 56	8 28	0 53	4 34	2 44	19 1	0 41	2 31	1 51	31 30	10 40	7 36	7 27	4 18			n.a.
W 3	8 56	20 3	2 36	14 35	2 0	4 7	0 7	1 55	2 55	8 33	0 53	4 33	2 44	19 0	0 41	2 30	1 51	31 30	10 40	7 37	7 29	4 14			n.a.
T 4	8 34	14 5	1 19	13 51	1 56	4 38	0 10	1 53	2 55	8 37	0 53	4 31	2 44	18 59	0 41	2 29	1 51	31 30	10 40	7 37	7 30	4 11			n.a.
F 5	8 12	7 13	0s 5	13 6	1 52	5 10	0 14	1 50	2 55	8 42	0 53	4 30	2 44	18 58	0 41	2 28	1 51	31 30	10 40	7 37	7 31	4 7			n.a.
S 6	7 49	0s 4	1 28	12 19	1 47	5 41	0 17	1 48	2 55	8 46	0 53	4 29	2 44	18 58	0 41	2 27	1 51	31 30	10 41	7 37	7 32	4 4			n.a.
S 7	7 27	7 17	2 45	11 30	1 41	6 12	0 20	1 44	2 54	8 51	0 52	4 28	2 44	18 57	0 41	2 26	1 51	31 30	10 41	7 37	7 34	4 1			n.a.
M 8	7 4	13 58	3 49	10 40	1 35	6 43	0 23	1 41	2 54	8 56	0 52	4 26	2 45	18 56	0 41	2 25	1 51	31 30	10 41	7 37	7 35	3 57			n.a.
T 9	6 41	19 44	4 36	9 49	1 29	7 14	0 26	1 37	2 53	9 0	0 52	4 25	2 45	18 55	0 41	2 24	1 51	31 30	10 41	7 37	7 36	3 54			n.a.
W10	6 19	24 15	5 6	8 55	1 22	7 45	0 30	1 34	2 53	9 5	0 52	4 23	2 45	18 54	0 41	2 23	1 51	31 30	10 42	7 37	7 37	3 50			n.a.
T 11	5 56	27 16	5 18	8 1	1 14	8 15	0 33	1 30	2 52	9 10	0 52	4 22	2 45	18 54	0 41	2 23	1 51	31 30	10 42	7 37	7 38	3 47			n.a.
F 12	5 33	28 41	5 12	7 5	1 6	8 45	0 36	1 25	2 51	9 14	0 51	4 21	2 45	18 53	0 41	2 22	1 51	31 30	10 42	7 37	7 40	3 43			n.a.
S 13	5 10	28 30	4 51	6 8	0 57	9 16	0 39	1 21	2 50	9 19	0 51	4 19	2 45	18 52	0 41	2 21	1 51	31 30	10 42	7 37	7 41	3 40			n.a.
S 14	4 46	26 52	4 16	5 10	0 48	9 45	0 43	1 16	2 49	9 24	0 51	4 18	2 45	18 51	0 41	2 20	1 51	31 30	10 43	7 37	7 42	3 37			n.a.
M15	4 23	23 58	3 31	4 11	0 39	10 15	0 46	1 11	2 48	9 28	0 51	4 16	2 46	18 51	0 41	2 19	1 51	31 30	10 43	7 36	7 43	3 33			n.a.
T 16	4 0	20 4	2 36	3 11	0 29	10 45	0 49	1 6	2 47	9 33	0 51	4 15	2 46	18 50	0 41	2 18	1 51	31 30	10 43	7 36	7 45	3 30			n.a.
W17	3 37	15 25	1 36	2 11	0 18	11 14	0 53	1 1	2 46	9 38	0 51	4 13	2 46	18 49	0 41	2 17	1 51	31 30	10 43	7 36	7 46	3 26			n.a.
T 18	3 13	10 14	0 31	1 10	0 8	11 43	0 56	0 55	2 45	9 43	0 50	4 11	2 46	18 49	0 41	2 16	1 51	31 30	10 44	7 36	7 47	3 23			n.a.
F 19	2 50	4 42	0n34	0 9	0n 3	12 11	0 59	0 49	2 44	9 47	0 50	4 10	2 46	18 48	0 41	2 15	1 51	31 30	10 44	7 36	7 48	3 19			n.a.
S 20	2 27	0n59	1 38	0n52	0 14	12 40	1 2	0 43	2 42	9 52	0 50	4 8	2 46	18 47	0 41	2 14	1 51	31 30	10 44	7 36	7 49	3 16			n.a.
S 21	2 3	6 38	2 37	1 52	0 25	13 8	1 6	0 37	2 41	9 57	0 50	4 7	2 46	18 46	0 41	2 13	1 51	31 30	10 44	7 36	7 51	3 12			n.a.
M22	1 40	12 6	3 31	2 52	0 36	13 36	1 9	0 31	2 40	10 2	0 50	4 5	2 46	18 46	0 41	2 13	1 51	31 30	10 45	7 37	7 52	3 9			n.a.
T 23	1 16	17 10	4 15	3 52	0 47	14 3	1 12	0 25	2 38	10 7	0 50	4 3	2 46	18 45	0 41	2 12	1 51	31 30	10 45	7 38	7 53	3 6			n.a.
W24	0 53	21 37	4 48	4 50	0 58	14 30	1 15	0 19	2 36	10 11	0 50	4 2	2 46	18 44	0 41	2 11	1 51	31 30	10 45	7 39	7 54	3 2			n.a.
T 25	0 29	25 13	5 9	5 47	1 9	14 57	1 18	0 12	2 35	10 16	0 49	4 0	2 47	18 44	0 41	2 10	1 51	31 30	10 46	7 40	7 55	2 59			n.a.
F 26	0 6	27 41	5 16	6 42	1 19	15 24	1 22	0 6	2 33	10 21	0 49	3 58	2 47	18 43	0 41	2 9	1 51	31 31	10 46	7 41	7 57	2 55			n.a.
S 27	0n17	28 44	5 6	7 36	1 29	15 50	1 25	0n 1	2 31	10 26	0 49	3 57	2 47	18 42	0 41	2 8	1 51	31 31	10 46	7 41	7 58	2 52			n.a.
S 28	0 41	28 11	4 41	8 27	1 39	16 15	1 28	0 7	2 29	10 31	0 49	3 55	2 47	18 42	0 41	2 7	1 51	31 31	10 46	7 41	7 59	2 48			n.a.
M29	1 4	25 57	3 59	9 17	1 48	16 41	1 31	0 14	2 27	10 36	0 49	3 53	2 47	18 41	0 41	2 6	1 51	31 31	10 47	7 41	8 0	2 45			n.a.
T 30	1 28	22 4	3 2	10 5	1 57	17 6	1 34	0 21	2 25	10 40	0 49	3 52	2 47	18 41	0 41	2 5	1 51	31 31	10 47	7 40	8 2	2 42			n.a.
W31	1n51	16n46	1n52	10n51	2n 5	17n30	1n37	0n27	2n22	10n45	0s49	3s50	2n47	18s40	0s41	2s 4	1s51	31s31	10s47	7s40	8s 3	2s38			n.a.

Julian Day Number = 1563694.5, Delta T = 04h22m26s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'10, Lahiri = - 9°55'10 Julian Calendar 1 March 432 BCE == Greg. Calendar 24 Feb. 432 BCE

The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

APRIL 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 15 29	5♈33'30	4♍47	24♈14	14♉14	3°R54	29♈55	15°R59	9♒55	29♓ 6	27♑21	10°R41	9♓37	21♓13	n.a.	T 1
F 2	12 19 26	6°31'28	19°50	25°46	15°24	3♎33	0♉ 8	15♎55	9°57	29° 8	27°22	10♓41	9°33	21°19	n.a.	F 2
S 3	12 23 22	7°29'24	5♎ 1	27°15	16°33	3°11	0°22	15°50	9°59	29°10	27°23	10°40	9°30	21°26	n.a.	S 3
S 4	12 27 19	8°27'19	20°10	28°40	17°42	2°49	0°35	15°46	10° 1	29°12	27°24	10°37	9°27	21°33	n.a.	S 4
M 5	12 31 15	9°25'11	5♏ 7	0♉ 1	18°51	2°27	0°49	15°41	10° 4	29°14	27°24	10°33	9°24	21°39	n.a.	M 5
T 6	12 35 12	10°23'03	19°44	1°17	20° 0	2° 6	1° 2	15°37	10° 6	29°17	27°25	10°29	9°21	21°46	n.a.	T 6
W 7	12 39 9	11°20'53	3♐55	2°30	21° 9	1°44	1°16	15°32	10° 8	29°19	27°26	10°25	9°18	21°53	n.a.	W 7
T 8	12 43 5	12°18'42	17°39	3°38	22°17	1°23	1°29	15°28	10°10	29°21	27°26	10°22	9°14	21°59	n.a.	T 8
F 9	12 47 2	13°16'29	0♑54	4°42	23°26	1° 2	1°43	15°24	10°12	29°23	27°27	10°20	9°11	22° 6	n.a.	F 9
S 10	12 50 58	14°14'15	13°44	5°41	24°34	0°42	1°56	15°19	10°14	29°26	27°28	10°D19	9° 8	22°12	n.a.	S 10
S 11	12 54 55	15°12'00	26°12	6°36	25°43	0°21	2°10	15°15	10°16	29°28	27°28	10°20	9° 5	22°19	n.a.	S 11
M12	12 58 51	16° 9'44	8♒22	7°27	26°51	0° 1	2°23	15°10	10°17	29°30	27°29	10°21	9° 2	22°26	n.a.	M12
T 13	13 2 48	17° 7'26	20°20	8°13	27°59	29♍42	2°37	15° 6	10°19	29°32	27°29	10°23	8°59	22°32	n.a.	T 13
W14	13 6 44	18° 5'07	2♓10	8°54	29° 7	29°23	2°51	15° 1	10°21	29°34	27°30	10°24	8°55	22°39	n.a.	W14
T 15	13 10 41	19° 2'47	13°57	9°31	0♊14	29° 4	3° 4	14°57	10°23	29°36	27°30	10°R24	8°52	22°46	n.a.	T 15
F 16	13 14 38	20° 0'25	25°43	10° 3	1°22	28°46	3°18	14°52	10°24	29°39	27°31	10°23	8°49	22°52	n.a.	F 16
S 17	13 18 34	20°58'03	7♈33	10°30	2°29	28°28	3°32	14°48	10°26	29°41	27°31	10°20	8°46	22°59	n.a.	S 17
S 18	13 22 31	21°55'39	19°28	10°52	3°37	28°12	3°46	14°44	10°28	29°43	27°32	10°15	8°43	23° 6	n.a.	S 18
M19	13 26 27	22°53'13	1♉31	11° 9	4°44	27°55	3°59	14°39	10°29	29°45	27°32	10° 8	8°39	23°12	n.a.	M19
T 20	13 30 24	23°50'47	13°44	11°22	5°51	27°40	4°13	14°35	10°31	29°47	27°32	10° 0	8°36	23°19	n.a.	T 20
W21	13 34 20	24°48'19	26° 6	11°30	6°58	27°25	4°27	14°30	10°32	29°49	27°33	9°52	8°33	23°26	n.a.	W21
T 22	13 38 17	25°45'50	8♊40	11°R33	8° 4	27°10	4°41	14°26	10°34	29°51	27°33	9°45	8°30	23°32	n.a.	T 22
F 23	13 42 13	26°43'19	21°26	11°32	9°11	26°57	4°55	14°22	10°35	29°53	27°33	9°39	8°27	23°39	n.a.	F 23
S 24	13 46 10	27°40'47	4♋27	11°25	10°17	26°44	5° 9	14°18	10°36	29°55	27°34	9°34	8°24	23°46	n.a.	S 24
S 25	13 50 7	28°38'14	17°44	11°15	11°23	26°32	5°22	14°13	10°38	29°57	27°34	9°32	8°20	23°52	n.a.	S 25
M26	13 54 3	29°35'39	1♌18	11° 0	12°29	26°21	5°36	14° 9	10°39	29°59	27°34	9°D31	8°17	23°59	n.a.	M26
T 27	13 58 0	0♉33'03	15°12	10°42	13°35	26°11	5°50	14° 5	10°40	0♈ 2	27°34	9°32	8°14	24° 6	n.a.	T 27
W28	14 1 56	1°30'25	29°24	10°20	14°40	26° 1	6° 4	14° 1	10°41	0° 3	27°34	9°33	8°11	24°12	n.a.	W28
T 29	14 5 53	2°27'46	13♍55	9°55	15°46	25°52	6°18	13°57	10°42	0° 5	27°34	9°R33	8° 8	24°19	n.a.	T 29
F 30	14 9 49	3♉25'06	28♍40	9♉27	16♊51	25♍44	6♉32	13♎53	10♒43	0♈ 7	27♑35	9♓32	8♓ 4	24♓25	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n14	10n23	0n33	11n34	2n12	17n54	1n40	0n34	2n20	10n50	0s48	3s48	2n47	18s39	0s41	2s 4	1s51	31s31	10s48	7s39	8s 4	2s35		n.a.
F 2	2 37	3 18	0s50	12 14	2 19	18 18	1 43	0 40	2 18	10 55	0 48	3 46	2 47	18 39	0 41	2 3	1 51	31 31	10 48	7 39	8 5	2 31		n.a.
S 3	3 1	4s 0	2 10	12 53	2 25	18 41	1 45	0 47	2 15	11 0	0 48	3 45	2 47	18 38	0 41	2 2	1 51	31 31	10 48	7 40	8 6	2 28		n.a.
S 4	3 24	11 4	3 20	13 28	2 30	19 4	1 48	0 53	2 13	11 5	0 48	3 43	2 47	18 38	0 41	2 1	1 51	31 32	10 49	7 41	8 8	2 24		n.a.
M 5	3 47	17 24	4 16	14 2	2 35	19 26	1 51	1 0	2 10	11 10	0 48	3 41	2 47	18 37	0 41	2 0	1 51	31 32	10 49	7 42	8 9	2 21		n.a.
T 6	4 10	22 35	4 53	14 32	2 38	19 48	1 54	1 6	2 7	11 14	0 48	3 40	2 47	18 37	0 42	1 59	1 51	31 32	10 49	7 44	8 10	2 17		n.a.
W 7	4 33	26 18	5 11	15 0	2 41	20 9	1 56	1 12	2 5	11 19	0 48	3 38	2 47	18 36	0 42	1 58	1 51	31 32	10 49	7 45	8 11	2 14		n.a.
T 8	4 56	28 19	5 11	15 26	2 43	20 30	1 59	1 18	2 2	11 24	0 47	3 36	2 47	18 36	0 42	1 57	1 51	31 32	10 50	7 47	8 12	2 11		n.a.
F 9	5 18	28 38	4 53	15 49	2 43	20 50	2 2	1 24	1 59	11 29	0 47	3 34	2 47	18 35	0 42	1 56	1 51	31 32	10 50	7 47	8 14	2 7		n.a.
S 10	5 41	27 22	4 22	16 9	2 43	21 10	2 4	1 30	1 56	11 34	0 47	3 33	2 47	18 35	0 42	1 56	1 51	31 33	10 50	7 48	8 15	2 4		n.a.
S 11	6 4	24 45	3 38	16 27	2 42	21 29	2 7	1 35	1 54	11 39	0 47	3 31	2 47	18 34	0 42	1 55	1 51	31 33	10 51	7 48	8 16	2 0		n.a.
M12	6 26	21 5	2 46	16 42	2 40	21 48	2 9	1 41	1 51	11 44	0 47	3 29	2 47	18 34	0 42	1 54	1 51	31 33	10 51	7 47	8 17	1 57		n.a.
T 13	6 49	16 35	1 47	16 54	2 37	22 6	2 11	1 46	1 48	11 48	0 47	3 27	2 47	18 33	0 42	1 53	1 51	31 33	10 51	7 46	8 18	1 53		n.a.
W14	7 11	11 32	0 45	17 4	2 33	22 23	2 14	1 51	1 45	11 53	0 47	3 26	2 47	18 33	0 42	1 52	1 51	31 33	10 52	7 46	8 20	1 50		n.a.
T 15	7 33	6 6	0n19	17 11	2 28	22 40	2 16	1 56	1 42	11 58	0 47	3 24	2 47	18 32	0 42	1 51	1 51	31 34	10 52	7 46	8 21	1 46		n.a.
F 16	7 55	0 28	1 22	17 16	2 22	22 57	2 18	2 0	1 39	12 3	0 47	3 22	2 47	18 32	0 42	1 50	1 51	31 34	10 52	7 46	8 22	1 43		n.a.
S 17	8 17	5n12	2 22	17 18	2 15	23 13	2 20	2 4	1 36	12 8	0 46	3 21	2 47	18 31	0 42	1 50	1 51	31 34	10 53	7 48	8 23	1 40		n.a.
S 18	8 39	10 44	3 16	17 17	2 7	23 28	2 22	2 8	1 33	12 13	0 46	3 19	2 47	18 31	0 42	1 49	1 51	31 34	10 53	7 49	8 25	1 36		n.a.
M19	9 1	15 55	4 2	17 14	1 58	23 43	2 24	2 12	1 29	12 17	0 46	3 17	2 47	18 31	0 42	1 48	1 51	31 34	10 53	7 52	8 26	1 33		n.a.
T 20	9 22	20 33	4 37	17 8	1 47	23 57	2 26	2 16	1 26	12 22	0 46	3 16	2 47	18 30	0 42	1 47	1 51	31 35	10 54	7 55	8 27	1 29		n.a.
W21	9 44	24 22	4 59	17 0	1 36	24 10	2 27	2 19	1 23	12 27	0 46	3 14	2 47	18 30	0 42	1 46	1 51	31 35	10 54	7 58	8 28	1 26		n.a.
T 22	10 5	27 6	5 8	16 49	1 24	24 23	2 29	2 22	1 20	12 32	0 46	3 12	2 47	18 29	0 42	1 45	1 51	31 35	10 54	8 1	8 29	1 22		n.a.
F 23	10 26	28 29	5 2	16 37	1 11	24 35	2 30	2 24	1 17	12 37	0 46	3 11	2 46	18 29	0 42	1 45	1 51	31 35	10 55	8 3	8 31	1 19		n.a.
S 24	10 47	28 20	4 40	16 21	0 57	24 47	2 32	2 26	1 14	12 41	0 46	3 9	2 46	18 29	0 42	1 44	1 51	31 36	10 55	8 5	8 32	1 15		n.a.
S 25	11 8	26 34	4 3	16 4	0 42	24 58	2 33	2 28	1 11	12 46	0 46	3 8	2 46	18 28	0 42	1 43	1 51	31 36	10 55	8 6	8 33	1 12		n.a.
M26	11 28	23 14	3 11	15 45	0 27	25 8	2 34	2 30	1 8	12 51	0 45	3 6	2 46	18 28	0 42	1 42	1 51	31 36	10 56	8 6	8 34	1 9		n.a.
T 27	11 49	18 31	2 7	15 24	0 11	25 18	2 36	2 31	1 5	12 56	0 45	3 5	2 46	18 28	0 42	1 41	1 52	31 37	10 56	8 6	8 35	1 5		n.a.
W28	12 9	12 41	0 54	15 1	0s 6	25 27	2 37	2 33	1 1	13 0	0 45	3 3	2 46	18 28	0 42	1 41	1 52	31 37	10 56	8 5	8 37	1 2		n.a.
T 29	12 29	6 3	0s23	14 37	0 22	25 35	2 38	2 33	0 58	13 5	0 45	3 2	2 46	18 27	0 42	1 40	1 52	31 37	10 57	8 5	8 38	0 58		n.a.
F 30	12n49	1s 0	1s41	14n12	0s39	25n43	2n38	2n34	0n55	13n10	0s45	3s 0	2n46	18s27	0s42	1s39	1s52	31s37	10s57	8s 6	8s39	0s55		n.a.

Julian Day Number = 1563725.5, Delta T = 04h22m25s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'06, Lahiri = - 9°55'05 Julian Calendar 1 Apr. 432 BCE == Greg. Calendar 27 March 432 BCE

The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

MAY 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 13 46	4♉22'24	13♎35	8°R57	17♊56	25°R37	6♉46	13°R49	10♒44	0♈ 9	27♑35	9°R28	8♓ 1	24♓32	n.a.	S 1
S 2	14 17 42	5°19'42	28°32	8♉25	19° 0	25♍31	7° 0	13♎45	10°45	0°11	27°35	9♓22	7°58	24°39	n.a.	S 2
M 3	14 21 39	6°16'58	13♏22	7°52	20° 5	25°25	7°13	13°41	10°46	0°13	27°35	9°14	7°55	24°45	n.a.	M 3
T 4	14 25 36	7°14'14	27°57	7°19	21° 9	25°20	7°27	13°37	10°47	0°15	27°R35	9° 6	7°52	24°52	n.a.	T 4
W 5	14 29 32	8°11'30	12♐10	6°45	22°13	25°16	7°41	13°33	10°48	0°17	27°35	8°57	7°49	24°59	n.a.	W 5
T 6	14 33 29	9° 8'44	25°57	6°12	23°17	25°13	7°55	13°29	10°49	0°19	27°35	8°49	7°45	25° 5	n.a.	T 6
F 7	14 37 25	10° 5'58	9♑17	5°40	24°20	25°11	8° 9	13°25	10°50	0°21	27°35	8°43	7°42	25°12	n.a.	F 7
S 8	14 41 22	11° 3'12	22°10	5°10	25°24	25°10	8°23	13°22	10°50	0°23	27°34	8°39	7°39	25°19	n.a.	S 8
S 9	14 45 18	12° 0'25	4♒39	4°42	26°27	25°D 9	8°37	13°18	10°51	0°24	27°34	8°37	7°36	25°25	n.a.	S 9
M10	14 49 15	12°57'37	16°51	4°16	27°29	25° 9	8°51	13°14	10°51	0°26	27°34	8°D37	7°33	25°32	n.a.	M10
T 11	14 53 12	13°54'49	28°48	3°54	28°32	25°10	9° 4	13°11	10°52	0°28	27°34	8°38	7°30	25°39	n.a.	T 11
W12	14 57 8	14°52'01	10♓38	3°35	29°34	25°12	9°18	13° 7	10°52	0°30	27°34	8°R38	7°26	25°45	n.a.	W12
T 13	15 1 5	15°49'13	22°25	3°20	0♋36	25°14	9°32	13° 4	10°53	0°31	27°34	8°37	7°23	25°52	n.a.	T 13
F 14	15 5 1	16°46'24	4♈14	3° 9	1°38	25°18	9°46	13° 1	10°53	0°33	27°33	8°34	7°20	25°59	n.a.	F 14
S 15	15 8 58	17°43'34	16° 8	3° 2	2°39	25°22	10° 0	12°57	10°54	0°35	27°33	8°29	7°17	26° 5	n.a.	S 15
S 16	15 12 54	18°40'45	28°12	2°D59	3°40	25°27	10°14	12°54	10°54	0°36	27°33	8°21	7°14	26°12	n.a.	S 16
M17	15 16 51	19°37'55	10♉26	3° 1	4°41	25°32	10°27	12°51	10°54	0°38	27°32	8°10	7°10	26°19	n.a.	M17
T 18	15 20 47	20°35'04	22°52	3° 7	5°41	25°39	10°41	12°48	10°54	0°40	27°32	7°58	7° 7	26°25	n.a.	T 18
W19	15 24 44	21°32'14	5♊32	3°18	6°41	25°46	10°55	12°45	10°55	0°41	27°32	7°46	7° 4	26°32	n.a.	W19
T 20	15 28 41	22°29'23	18°24	3°34	7°41	25°54	11° 9	12°42	10°55	0°43	27°31	7°34	7° 1	26°39	n.a.	T 20
F 21	15 32 37	23°26'31	1♋28	3°55	8°40	26° 2	11°22	12°39	10°55	0°44	27°31	7°25	6°58	26°45	n.a.	F 21
S 22	15 36 34	24°23'39	14°43	4°20	9°39	26°12	11°36	12°36	10°R55	0°46	27°31	7°17	6°55	26°52	n.a.	S 22
S 23	15 40 30	25°20'47	28°11	4°49	10°37	26°22	11°50	12°34	10°55	0°47	27°30	7°12	6°51	26°58	n.a.	S 23
M24	15 44 27	26°17'54	11♌50	5°24	11°36	26°33	12° 3	12°31	10°55	0°49	27°30	7°10	6°48	27° 5	n.a.	M24
T 25	15 48 23	27°15'01	25°41	6° 2	12°33	26°44	12°17	12°29	10°54	0°50	27°29	7°D 9	6°45	27°12	n.a.	T 25
W26	15 52 20	28°12'07	9♍44	6°46	13°31	26°56	12°30	12°26	10°54	0°52	27°29	7°R 9	6°42	27°18	n.a.	W26
T 27	15 56 16	29° 9'12	24° 0	7°33	14°27	27° 9	12°44	12°24	10°54	0°53	27°28	7° 9	6°39	27°25	n.a.	T 27
F 28	16 0 13	0♊ 6'17	8♎25	8°25	15°24	27°22	12°58	12°21	10°54	0°54	27°27	7° 6	6°36	27°32	n.a.	F 28
S 29	16 4 10	1° 3'22	22°58	9°21	16°20	27°36	13°11	12°19	10°53	0°56	27°27	7° 1	6°32	27°38	n.a.	S 29
S 30	16 8 6	2° 0'27	7♏33	10°21	17°15	27°51	13°25	12°17	10°53	0°57	27°26	6°54	6°29	27°45	n.a.	S 30
M31	16 12 3	2♊57'32	22♏ 3	11♉26	18♋10	28♍ 6	13♉38	12♎15	10♒53	0♈58	27♑26	6♓44	6♓26	27♓52	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n 9	8s 4	2s52	13n46	0s57	25n50	2n39	2n34	0n52	13n14	0s45	2s59	2n46	18s27	0s42	1s38	1s52	31s38	10s57	8s 7	8s40	0s51		n.a.
S 2	13 28	14 41	3 52	13 20	1 14	25 56	2 40	2 34	0 49	13 19	0 45	2 57	2 46	18 27	0 42	1 38	1 52	31 38	10 58	8 9	8 41	0 48		n.a.
M 3	13 47	20 25	4 35	12 53	1 31	26 2	2 40	2 33	0 46	13 24	0 45	2 56	2 45	18 26	0 42	1 37	1 52	31 38	10 58	8 12	8 43	0 44		n.a.
T 4	14 6	24 49	4 59	12 27	1 47	26 7	2 41	2 32	0 43	13 28	0 45	2 54	2 45	18 26	0 43	1 36	1 52	31 39	10 58	8 16	8 44	0 41		n.a.
W 5	14 25	27 34	5 5	12 1	2 3	26 12	2 41	2 31	0 40	13 33	0 45	2 53	2 45	18 26	0 43	1 36	1 52	31 39	10 59	8 19	8 45	0 38		n.a.
T 6	14 44	28 33	4 52	11 35	2 18	26 15	2 41	2 30	0 38	13 38	0 45	2 52	2 45	18 26	0 43	1 35	1 52	31 39	10 59	8 22	8 46	0 34		n.a.
F 7	15 2	27 48	4 23	11 11	2 33	26 19	2 41	2 28	0 35	13 42	0 44	2 50	2 45	18 26	0 43	1 34	1 52	31 40	10 59	8 24	8 47	0 31		n.a.
S 8	15 20	25 33	3 42	10 48	2 46	26 21	2 41	2 26	0 32	13 47	0 44	2 49	2 45	18 25	0 43	1 33	1 52	31 40	11 0	8 26	8 49	0 27		n.a.
S 9	15 38	22 7	2 51	10 27	2 59	26 23	2 41	2 24	0 29	13 51	0 44	2 48	2 45	18 25	0 43	1 33	1 52	31 40	11 0	8 26	8 50	0 24		n.a.
M10	15 56	17 48	1 54	10 8	3 10	26 24	2 40	2 21	0 26	13 56	0 44	2 46	2 44	18 25	0 43	1 32	1 52	31 41	11 0	8 27	8 51	0 20		n.a.
T 11	16 13	12 51	0 52	9 50	3 21	26 24	2 40	2 18	0 24	14 1	0 44	2 45	2 44	18 25	0 43	1 31	1 52	31 41	11 1	8 26	8 52	0 17		n.a.
W12	16 30	7 31	0n11	9 35	3 30	26 24	2 39	2 15	0 21	14 5	0 44	2 44	2 44	18 25	0 43	1 31	1 52	31 41	11 1	8 26	8 53	0 13		n.a.
T 13	16 47	1 56	1 13	9 23	3 37	26 23	2 39	2 12	0 18	14 10	0 44	2 43	2 44	18 25	0 43	1 30	1 52	31 42	11 1	8 27	8 55	0 10		n.a.
F 14	17 4	3n43	2 12	9 13	3 44	26 22	2 38	2 8	0 16	14 14	0 44	2 42	2 44	18 25	0 43	1 29	1 52	31 42	11 1	8 28	8 56	0 7		n.a.
S 15	17 20	9 16	3 6	9 5	3 49	26 20	2 37	2 4	0 13	14 19	0 44	2 41	2 43	18 25	0 43	1 29	1 52	31 43	11 2	8 30	8 57	0 3		n.a.
S 16	17 36	14 34	3 51	9 1	3 53	26 17	2 35	1 59	0 10	14 23	0 44	2 39	2 43	18 25	0 43	1 28	1 52	31 43	11 2	8 33	8 58	0n 0		n.a.
M17	17 52	19 22	4 27	8 59	3 56	26 14	2 34	1 55	0 8	14 27	0 44	2 38	2 43	18 25	0 43	1 28	1 52	31 43	11 2	8 37	8 59	0 4		n.a.
T 18	18 8	23 25	4 51	8 59	3 58	26 10	2 33	1 50	0 5	14 32	0 44	2 37	2 43	18 25	0 43	1 27	1 52	31 44	11 3	8 41	9 0	0 7		n.a.
W19	18 23	26 26	5 1	9 3	3 58	26 6	2 31	1 45	0 3	14 36	0 44	2 36	2 43	18 25	0 43	1 26	1 52	31 44	11 3	8 46	9 2	0 11		n.a.
T 20	18 38	28 9	4 56	9 9	3 58	26 0	2 29	1 39	0 0	14 41	0 44	2 35	2 42	18 25	0 43	1 26	1 53	31 44	11 3	8 50	9 3	0 14		n.a.
F 21	18 53	28 20	4 36	9 17	3 56	25 55	2 27	1 34	0s 2	14 45	0 43	2 35	2 42	18 25	0 43	1 25	1 53	31 45	11 4	8 54	9 4	0 18		n.a.
S 22	19 7	26 54	4 0	9 28	3 54	25 48	2 25	1 28	0 4	14 49	0 43	2 34	2 42	18 25	0 43	1 25	1 53	31 45	11 4	8 57	9 5	0 21		n.a.
S 23	19 21	23 54	3 11	9 41	3 50	25 42	2 23	1 22	0 7	14 54	0 43	2 33	2 42	18 25	0 43	1 24	1 53	31 46	11 4	8 59	9 6	0 24		n.a.
M24	19 35	19 32	2 10	9 57	3 45	25 34	2 20	1 15	0 9	14 58	0 43	2 32	2 42	18 25	0 43	1 24	1 53	31 46	11 5	9 0	9 8	0 28		n.a.
T 25	19 48	14 4	1 0	10 15	3 40	25 26	2 18	1 9	0 11	15 2	0 43	2 31	2 41	18 25	0 43	1 23	1 53	31 46	11 5	9 0	9 9	0 31		n.a.
W26	20 1	7 48	0s14	10 35	3 34	25 18	2 15	1 2	0 13	15 6	0 43	2 30	2 41	18 25	0 43	1 22	1 53	31 47	11 5	9 0	9 10	0 35		n.a.
T 27	20 14	1 4	1 28	10 57	3 27	25 9	2 12	0 55	0 16	15 11	0 43	2 30	2 41	18 25	0 43	1 22	1 53	31 47	11 5	9 0	9 11	0 38		n.a.
F 28	20 26	5s47	2 37	11 21	3 19	24 59	2 9	0 47	0 18	15 15	0 43	2 29	2 41	18 25	0 43	1 21	1 53	31 48	11 6	9 1	9 12	0 42		n.a.
S 29	20 38	12 23	3 37	11 47	3 11	24 49	2 6	0 40	0 20	15 19	0 43	2 28	2 41	18 25	0 43	1 21	1 53	31 48	11 6	9 3	9 14	0 45		n.a.
S 30	20 50	18 20	4 22	12 14	3 2	24 38	2 2	0 32	0 22	15 23	0 43	2 28	2 40	18 25	0 44	1 21	1 53	31 48	11 6	9 6	9 15	0 48		n.a.
M31	21n 1	23s11	4s51	12n43	2s52	24n27	1n59	0n24	0s24	15n27	0s43	2s27	2n40	18s26	0s44	1s20	1s53	31s49	11s 7	9s 9	9s16	0n52		n.a.

Julian Day Number = 1563755.5, Delta T = 04h22m24s
Ecliptic obliquity = 23°45'00, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°02'02, Lahiri = - 9°55'01 Julian Calendar 1 May 432 BCE == Greg. Calendar 26 Apr. 432 BCE

The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

JUNE 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 15 59	3♊54'36	6♐22	12♉34	19♋ 4	28♍22	13♉51	12°R13	10°R52	1♈ 0	27°R25	6°R32	6♓23	27♓58	n.a.	T 1
W 2	16 19 56	4°51'41	20°24	13°47	19°58	28°38	14° 5	12♎11	10♒52	1° 1	27♑24	6♓21	6°20	28° 5	n.a.	W 2
T 3	16 23 52	5°48'46	4♑ 4	15° 4	20°51	28°55	14°18	12°10	10°51	1° 2	27°24	6°10	6°16	28°12	n.a.	T 3
F 4	16 27 49	6°45'52	17°20	16°24	21°44	29°13	14°32	12° 8	10°50	1° 3	27°23	6° 2	6°13	28°18	n.a.	F 4
S 5	16 31 46	7°42'57	0♒12	17°48	22°36	29°31	14°45	12° 6	10°50	1° 4	27°22	5°56	6°10	28°25	n.a.	S 5
S 6	16 35 42	8°40'03	12°42	19°17	23°27	29°50	14°58	12° 5	10°49	1° 5	27°21	5°53	6° 7	28°32	n.a.	S 6
M 7	16 39 39	9°37'10	24°54	20°49	24°18	0♎ 9	15°11	12° 3	10°48	1° 7	27°21	5°51	6° 4	28°38	n.a.	M 7
T 8	16 43 35	10°34'17	6♓53	22°24	25° 8	0°28	15°24	12° 2	10°48	1° 8	27°20	5°51	6° 1	28°45	n.a.	T 8
W 9	16 47 32	11°31'24	18°44	24° 3	25°58	0°49	15°38	12° 1	10°47	1° 9	27°19	5°51	5°57	28°52	n.a.	W 9
T 10	16 51 28	12°28'33	0♈33	25°46	26°46	1° 9	15°51	12° 0	10°46	1°10	27°18	5°50	5°54	28°58	n.a.	T 10
F 11	16 55 25	13°25'41	12°24	27°32	27°34	1°30	16° 4	11°59	10°45	1°11	27°17	5°47	5°51	29° 5	n.a.	F 11
S 12	16 59 21	14°22'51	24°23	29°21	28°21	1°52	16°17	11°58	10°44	1°12	27°16	5°42	5°48	29°12	n.a.	S 12
S 13	17 3 18	15°20'01	6♉33	1♊13	29° 8	2°14	16°30	11°57	10°43	1°12	27°16	5°34	5°45	29°18	n.a.	S 13
M14	17 7 15	16°17'12	18°58	3° 8	29°53	2°37	16°42	11°56	10°42	1°13	27°15	5°24	5°42	29°25	n.a.	M14
T 15	17 11 11	17°14'24	1♊39	5° 5	0♌38	3° 0	16°55	11°55	10°41	1°14	27°14	5°12	5°38	29°32	n.a.	T 15
W16	17 15 8	18°11'36	14°36	7° 5	1°22	3°23	17° 8	11°55	10°40	1°15	27°13	4°59	5°35	29°38	n.a.	W16
T 17	17 19 4	19° 8'49	27°48	9° 7	2° 5	3°47	17°21	11°54	10°38	1°16	27°12	4°48	5°32	29°45	n.a.	T 17
F 18	17 23 1	20° 6'02	11♋15	11°10	2°47	4°12	17°34	11°54	10°37	1°17	27°11	4°38	5°29	29°52	n.a.	F 18
S 19	17 26 57	21° 3'16	24°53	13°15	3°27	4°37	17°46	11°54	10°36	1°17	27°10	4°30	5°26	29°58	n.a.	S 19
S 20	17 30 54	22° 0'31	8♌40	15°21	4° 7	5° 2	17°59	11°53	10°35	1°18	27° 9	4°25	5°22	0♈ 5	n.a.	S 20
M21	17 34 51	22°57'46	22°34	17°27	4°46	5°27	18°11	11°53	10°33	1°19	27° 8	4°23	5°19	0°12	n.a.	M21
T 22	17 38 47	23°55'01	6♍34	19°34	5°24	5°53	18°24	11°D53	10°32	1°19	27° 7	4°D23	5°16	0°18	n.a.	T 22
W23	17 42 44	24°52'17	20°39	21°41	6° 0	6°20	18°36	11°53	10°30	1°20	27° 6	4°R23	5°13	0°25	n.a.	W23
T 24	17 46 40	25°49'33	4♎48	23°48	6°35	6°47	18°49	11°54	10°29	1°20	27° 5	4°23	5°10	0°32	n.a.	T 24
F 25	17 50 37	26°46'50	18°59	25°55	7° 9	7°14	19° 1	11°54	10°27	1°21	27° 4	4°21	5° 7	0°38	n.a.	F 25
S 26	17 54 33	27°44'07	3♏11	28° 1	7°42	7°42	19°13	11°54	10°26	1°21	27° 3	4°17	5° 3	0°45	n.a.	S 26
S 27	17 58 30	28°41'26	17°22	0♋ 6	8°13	8°10	19°25	11°55	10°24	1°22	27° 1	4°10	5° 0	0°52	n.a.	S 27
M28	18 2 26	29°38'45	1♐26	2°10	8°43	8°38	19°37	11°55	10°23	1°22	27° 0	4° 2	4°57	0°58	n.a.	M28
T 29	18 6 23	0♋36'04	15°20	4°13	9°11	9° 6	19°49	11°56	10°21	1°23	26°59	3°52	4°54	1° 5	n.a.	T 29
W30	18 10 20	1♋33'25	29♐ 1	6♋15	9♌38	9♎35	20♉ 1	11♎57	10♒19	1♈23	26♑58	3♓42	4♓51	1♈12	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n12	26s35	5s 0	13n14	2s42	24n16	1n55	0n16	0s26	15n31	0s43	2s27	2n40	18s26	0s44	1s20	1s53	31s49	11s 7	9s14	9s17	0n55		n.a.
W 2	21 23	28 15	4 52	13 46	2 32	24 4	1 51	0 7	0 28	15 35	0 43	2 26	2 40	18 26	0 44	1 19	1 53	31 50	11 7	9 18	9 18	0 59		n.a.
T 3	21 33	28 7	4 26	14 19	2 21	23 52	1 47	0s 1	0 30	15 40	0 43	2 26	2 39	18 26	0 44	1 19	1 53	31 50	11 7	9 22	9 20	1 2		n.a.
F 4	21 43	26 21	3 47	14 53	2 10	23 39	1 42	0 10	0 32	15 44	0 43	2 25	2 39	18 26	0 44	1 18	1 53	31 50	11 8	9 25	9 21	1 6		n.a.
S 5	21 53	23 15	2 57	15 28	1 58	23 26	1 37	0 19	0 34	15 48	0 43	2 25	2 39	18 27	0 44	1 18	1 53	31 51	11 8	9 27	9 22	1 9		n.a.
S 6	22 2	19 7	1 59	16 4	1 46	23 12	1 33	0 28	0 36	15 52	0 43	2 24	2 39	18 27	0 44	1 18	1 54	31 51	11 8	9 28	9 23	1 12		n.a.
M 7	22 11	14 18	0 58	16 41	1 34	22 58	1 28	0 38	0 37	15 55	0 43	2 24	2 38	18 27	0 44	1 17	1 54	31 52	11 9	9 29	9 24	1 16		n.a.
T 8	22 19	9 1	0n 6	17 18	1 22	22 44	1 22	0 47	0 39	15 59	0 42	2 24	2 38	18 27	0 44	1 17	1 54	31 52	11 9	9 29	9 25	1 19		n.a.
W 9	22 27	3 28	1 8	17 55	1 9	22 29	1 17	0 57	0 41	16 3	0 42	2 23	2 38	18 28	0 44	1 16	1 54	31 53	11 9	9 29	9 27	1 23		n.a.
T 10	22 35	2n 9	2 7	18 32	0 57	22 14	1 11	1 7	0 43	16 7	0 42	2 23	2 38	18 28	0 44	1 16	1 54	31 53	11 9	9 29	9 28	1 26		n.a.
F 11	22 42	7 44	3 1	19 9	0 44	21 59	1 5	1 17	0 44	16 11	0 42	2 23	2 37	18 28	0 44	1 16	1 54	31 53	11 10	9 31	9 29	1 30		n.a.
S 12	22 49	13 5	3 47	19 45	0 32	21 44	0 59	1 27	0 46	16 15	0 42	2 23	2 37	18 28	0 44	1 15	1 54	31 54	11 10	9 33	9 30	1 33		n.a.
S 13	22 56	18 1	4 24	20 21	0 20	21 28	0 53	1 38	0 48	16 19	0 42	2 23	2 37	18 29	0 44	1 15	1 54	31 54	11 10	9 35	9 31	1 36		n.a.
M14	23 2	22 18	4 49	20 55	0 8	21 12	0 46	1 48	0 49	16 22	0 42	2 23	2 37	18 29	0 44	1 15	1 54	31 55	11 10	9 39	9 33	1 40		n.a.
T 15	23 8	25 39	5 0	21 29	0n 4	20 55	0 40	1 59	0 51	16 26	0 42	2 23	2 36	18 29	0 44	1 15	1 54	31 55	11 11	9 44	9 34	1 43		n.a.
W16	23 13	27 45	4 57	22 1	0 15	20 39	0 33	2 10	0 52	16 30	0 42	2 23	2 36	18 30	0 44	1 14	1 54	31 56	11 11	9 48	9 35	1 47		n.a.
T 17	23 18	28 21	4 37	22 31	0 26	20 22	0 25	2 21	0 54	16 33	0 42	2 23	2 36	18 30	0 44	1 14	1 54	31 56	11 11	9 53	9 36	1 50		n.a.
F 18	23 22	27 18	4 2	23 0	0 36	20 5	0 18	2 32	0 55	16 37	0 42	2 23	2 35	18 31	0 44	1 14	1 54	31 56	11 11	9 56	9 37	1 54		n.a.
S 19	23 27	24 36	3 13	23 26	0 46	19 48	0 10	2 43	0 57	16 41	0 42	2 23	2 35	18 31	0 44	1 14	1 54	31 57	11 12	9 59	9 38	1 57		n.a.
S 20	23 30	20 27	2 12	23 50	0 55	19 31	0 2	2 55	0 58	16 44	0 42	2 23	2 35	18 31	0 44	1 13	1 54	31 57	11 12	10 1	9 40	2 0		n.a.
M21	23 34	15 9	1 2	24 12	1 3	19 13	0s 6	3 6	1 0	16 48	0 42	2 23	2 35	18 32	0 44	1 13	1 54	31 58	11 12	10 2	9 41	2 4		n.a.
T 22	23 36	9 2	0s12	24 31	1 11	18 56	0 15	3 18	1 1	16 51	0 42	2 24	2 34	18 32	0 44	1 13	1 55	31 58	11 12	10 2	9 42	2 7		n.a.
W23	23 39	2 27	1 25	24 47	1 18	18 38	0 23	3 30	1 2	16 55	0 42	2 24	2 34	18 33	0 44	1 13	1 55	31 59	11 12	10 2	9 43	2 11		n.a.
T 24	23 41	4s17	2 34	25 1	1 24	18 21	0 32	3 42	1 4	16 58	0 42	2 24	2 34	18 33	0 44	1 13	1 55	31 59	11 13	10 2	9 44	2 14		n.a.
F 25	23 43	10 49	3 34	25 11	1 30	18 3	0 41	3 54	1 5	17 2	0 42	2 25	2 34	18 33	0 44	1 12	1 55	31 59	11 13	10 2	9 46	2 17		n.a.
S 26	23 44	16 48	4 20	25 19	1 35	17 46	0 51	4 6	1 6	17 5	0 42	2 25	2 33	18 34	0 44	1 12	1 55	32 0	11 13	10 4	9 47	2 21		n.a.
S 27	23 45	21 52	4 50	25 24	1 39	17 28	1 1	4 19	1 8	17 8	0 42	2 26	2 33	18 34	0 44	1 12	1 55	32 0	11 13	10 6	9 48	2 24		n.a.
M28	23 45	25 39	5 3	25 26	1 42	17 11	1 11	4 31	1 9	17 12	0 42	2 26	2 33	18 35	0 45	1 12	1 55	32 1	11 13	10 10	9 49	2 28		n.a.
T 29	23 45	27 51	4 57	25 26	1 45	16 53	1 21	4 44	1 10	17 15	0 42	2 27	2 33	18 35	0 45	1 12	1 55	32 1	11 14	10 13	9 50	2 31		n.a.
W30	23n44	28s19	4s35	25n23	1n47	16n36	1s32	4s56	1s11	17n18	0s42	2s27	2n32	18s36	0s45	1s12	1s55	32s 2	11s14	10s17	9s51	2n34		n.a.

Julian Day Number = 1563786.5, Delta T = 04h22m22s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'58, Lahiri = - 9°54'57 Julian Calendar 1 June 432 BCE == Greg. Calendar 27 May 432 BCE

The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

JULY 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 14 16	2♋30'47	12♑24	8♋16	10♌ 3	10♎ 5	20♉13	11♎58	10°R18	1♈23	26°R57	3°R32	4♓48	1♈18	n.a.	T 1
F 2	18 18 13	3°28'10	25°28	10°15	10°26	10°34	20°25	11°59	10♒16	1°24	26♑56	3♓25	4°44	1°25	n.a.	F 2
S 3	18 22 9	4°25'34	8♒12	12°13	10°48	11° 4	20°37	12° 0	10°14	1°24	26°55	3°20	4°41	1°32	n.a.	S 3
S 4	18 26 6	5°22'59	20°38	14°10	11° 8	11°35	20°48	12° 1	10°12	1°24	26°53	3°17	4°38	1°38	n.a.	S 4
M 5	18 30 2	6°20'25	2♓48	16° 4	11°26	12° 5	21° 0	12° 2	10°11	1°24	26°52	3°D16	4°35	1°45	n.a.	M 5
T 6	18 33 59	7°17'53	14°47	17°58	11°43	12°36	21°11	12° 3	10° 9	1°25	26°51	3°17	4°32	1°51	n.a.	T 6
W 7	18 37 55	8°15'23	26°38	19°50	11°57	13° 7	21°23	12° 5	10° 7	1°25	26°50	3°18	4°28	1°58	n.a.	W 7
T 8	18 41 52	9°12'53	8♈28	21°40	12° 9	13°39	21°34	12° 6	10° 5	1°25	26°49	3°R18	4°25	2° 5	n.a.	T 8
F 9	18 45 49	10°10'26	20°20	23°29	12°20	14°10	21°45	12° 8	10° 3	1°25	26°47	3°18	4°22	2°11	n.a.	F 9
S 10	18 49 45	11° 8'00	2♉21	25°16	12°28	14°42	21°57	12°10	10° 1	1°25	26°46	3°15	4°19	2°18	n.a.	S 10
S 11	18 53 42	12° 5'35	14°35	27° 2	12°34	15°15	22° 8	12°11	9°59	1°R25	26°45	3°11	4°16	2°25	n.a.	S 11
M12	18 57 38	13° 3'12	27° 6	28°46	12°38	15°47	22°19	12°13	9°57	1°25	26°44	3° 4	4°13	2°31	n.a.	M12
T 13	19 1 35	14° 0'51	9♊56	0♌29	12°R39	16°20	22°30	12°15	9°55	1°25	26°42	2°57	4° 9	2°38	n.a.	T 13
W14	19 5 31	14°58'31	23° 6	2°10	12°39	16°53	22°41	12°17	9°53	1°25	26°41	2°49	4° 6	2°45	n.a.	W14
T 15	19 9 28	15°56'13	6♋37	3°50	12°36	17°27	22°51	12°20	9°51	1°25	26°40	2°41	4° 3	2°51	n.a.	T 15
F 16	19 13 24	16°53'57	20°25	5°29	12°30	18° 0	23° 2	12°22	9°48	1°24	26°39	2°34	4° 0	2°58	n.a.	F 16
S 17	19 17 21	17°51'41	4♌28	7° 6	12°23	18°34	23°12	12°24	9°46	1°24	26°37	2°29	3°57	3° 5	n.a.	S 17
S 18	19 21 18	18°49'28	18°40	8°41	12°13	19° 8	23°23	12°27	9°44	1°24	26°36	2°27	3°54	3°11	n.a.	S 18
M19	19 25 14	19°47'15	2♍58	10°15	12° 0	19°43	23°33	12°29	9°42	1°24	26°35	2°D26	3°50	3°18	n.a.	M19
T 20	19 29 11	20°45'04	17°18	11°48	11°45	20°17	23°44	12°32	9°40	1°24	26°33	2°26	3°47	3°25	n.a.	T 20
W21	19 33 7	21°42'54	1♎35	13°19	11°28	20°52	23°54	12°35	9°37	1°23	26°32	2°28	3°44	3°31	n.a.	W21
T 22	19 37 4	22°40'45	15°49	14°49	11° 9	21°27	24° 4	12°37	9°35	1°23	26°31	2°29	3°41	3°38	n.a.	T 22
F 23	19 41 0	23°38'38	29°56	16°17	10°47	22° 3	24°14	12°40	9°33	1°22	26°29	2°R29	3°38	3°45	n.a.	F 23
S 24	19 44 57	24°36'32	13♏56	17°44	10°24	22°38	24°24	12°43	9°31	1°22	26°28	2°27	3°34	3°51	n.a.	S 24
S 25	19 48 53	25°34'28	27°46	19° 9	9°58	23°14	24°33	12°46	9°28	1°22	26°27	2°24	3°31	3°58	n.a.	S 25
M26	19 52 50	26°32'25	11♐27	20°33	9°30	23°50	24°43	12°49	9°26	1°21	26°26	2°20	3°28	4° 5	n.a.	M26
T 27	19 56 47	27°30'23	24°55	21°55	9° 0	24°26	24°52	12°53	9°24	1°21	26°24	2°14	3°25	4°11	n.a.	T 27
W28	20 0 43	28°28'23	8♑11	23°16	8°29	25° 3	25° 2	12°56	9°21	1°20	26°23	2° 9	3°22	4°18	n.a.	W28
T 29	20 4 40	29°26'25	21°11	24°35	7°57	25°39	25°11	12°59	9°19	1°19	26°22	2° 4	3°19	4°25	n.a.	T 29
F 30	20 8 36	0♌24'28	3♒57	25°52	7°23	26°16	25°20	13° 3	9°17	1°19	26°20	2° 0	3°15	4°31	n.a.	F 30
S 31	20 12 33	1♌22'34	16♒28	27♌ 8	6♌48	26♎53	25♉29	13♎ 6	9♒14	1♈18	26♑19	1♓57	3♓12	4♈38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	23n44	27s 6	3s57	25n18	1n48	16n19	1s42	5s 9	1s12	17n22	0s42	2s28	2n32	18s36	0s45	1s12	1s55	32s 2	11s14	10s20	9s53	2n38		n.a.	T 1
F 2	23 42	24 24	3 8	25 10	1 49	16 2	1 53	5 22	1 14	17 25	0 42	2 28	2 32	18 37	0 45	1 12	1 55	32 2	11 14	10 23	9 54	2 41		n.a.	F 2
S 3	23 40	20 32	2 10	24 59	1 49	15 45	2 5	5 35	1 15	17 28	0 42	2 29	2 31	18 37	0 45	1 12	1 55	32 3	11 14	10 25	9 55	2 45		n.a.	S 3
S 4	23 38	15 52	1 7	24 47	1 49	15 29	2 16	5 48	1 16	17 31	0 42	2 30	2 31	18 38	0 45	1 12	1 55	32 3	11 14	10 26	9 56	2 48		n.a.	S 4
M 5	23 36	10 39	0 2	24 33	1 47	15 12	2 28	6 1	1 17	17 34	0 42	2 30	2 31	18 38	0 45	1 12	1 55	32 4	11 15	10 26	9 57	2 52		n.a.	M 5
T 6	23 33	5 7	1n 1	24 16	1 46	14 56	2 40	6 14	1 18	17 37	0 42	2 31	2 31	18 39	0 45	1 12	1 55	32 4	11 15	10 26	9 58	2 55		n.a.	T 6
W 7	23 29	0n31	2 2	23 58	1 43	14 40	2 52	6 27	1 19	17 40	0 42	2 32	2 30	18 39	0 45	1 12	1 56	32 4	11 15	10 26	10 0	2 58		n.a.	W 7
T 8	23 25	6 7	2 58	23 38	1 41	14 25	3 5	6 41	1 20	17 43	0 42	2 33	2 30	18 40	0 45	1 12	1 56	32 5	11 15	10 25	10 1	3 2		n.a.	T 8
F 9	23 21	11 31	3 46	23 17	1 37	14 10	3 17	6 54	1 21	17 46	0 42	2 34	2 30	18 41	0 45	1 12	1 56	32 5	11 15	10 26	10 2	3 5		n.a.	F 9
S 10	23 17	16 34	4 24	22 54	1 34	13 55	3 30	7 8	1 22	17 49	0 42	2 35	2 30	18 41	0 45	1 12	1 56	32 6	11 15	10 27	10 3	3 9		n.a.	S 10
S 11	23 11	21 3	4 51	22 29	1 30	13 41	3 43	7 21	1 23	17 52	0 42	2 36	2 29	18 42	0 45	1 12	1 56	32 6	11 15	10 28	10 4	3 12		n.a.	S 11
M12	23 6	24 43	5 6	22 4	1 25	13 28	3 56	7 35	1 24	17 55	0 42	2 37	2 29	18 42	0 45	1 12	1 56	32 6	11 15	10 30	10 6	3 15		n.a.	M12
T 13	23 0	27 15	5 5	21 37	1 20	13 14	4 10	7 48	1 25	17 58	0 42	2 38	2 29	18 43	0 45	1 12	1 56	32 7	11 16	10 33	10 7	3 19		n.a.	T 13
W14	22 54	28 22	4 48	21 9	1 15	13 2	4 23	8 2	1 26	18 1	0 42	2 39	2 28	18 43	0 45	1 12	1 56	32 7	11 16	10 36	10 8	3 22		n.a.	W14
T 15	22 47	27 50	4 16	20 40	1 9	12 50	4 36	8 16	1 27	18 3	0 42	2 40	2 28	18 44	0 45	1 12	1 56	32 7	11 16	10 39	10 9	3 25		n.a.	T 15
F 16	22 40	25 35	3 27	20 10	1 3	12 38	4 50	8 30	1 28	18 6	0 42	2 41	2 28	18 45	0 45	1 12	1 56	32 8	11 16	10 42	10 10	3 29		n.a.	F 16
S 17	22 32	21 45	2 25	19 39	0 57	12 27	5 3	8 44	1 28	18 9	0 42	2 42	2 28	18 45	0 45	1 12	1 56	32 8	11 16	10 43	10 11	3 32		n.a.	S 17
S 18	22 24	16 36	1 14	19 8	0 50	12 17	5 17	8 58	1 29	18 11	0 42	2 43	2 27	18 46	0 45	1 13	1 56	32 9	11 16	10 44	10 13	3 36		n.a.	S 18
M19	22 16	10 30	0s 3	18 36	0 43	12 8	5 30	9 12	1 30	18 14	0 42	2 44	2 27	18 46	0 45	1 13	1 56	32 9	11 16	10 45	10 14	3 39		n.a.	M19
T 20	22 7	3 52	1 20	18 3	0 36	11 59	5 44	9 26	1 31	18 17	0 42	2 46	2 27	18 47	0 45	1 13	1 56	32 9	11 16	10 44	10 15	3 42		n.a.	T 20
W21	21 58	2s57	2 32	17 30	0 29	11 51	5 57	9 40	1 32	18 19	0 42	2 47	2 27	18 48	0 45	1 13	1 57	32 10	11 16	10 44	10 16	3 46		n.a.	W21
T 22	21 49	9 35	3 34	16 56	0 21	11 44	6 10	9 54	1 32	18 22	0 42	2 48	2 26	18 48	0 45	1 13	1 57	32 10	11 16	10 43	10 17	3 49		n.a.	T 22
F 23	21 39	15 41	4 22	16 22	0 13	11 37	6 22	10 8	1 33	18 24	0 42	2 50	2 26	18 49	0 45	1 14	1 57	32 10	11 17	10 43	10 18	3 53		n.a.	F 23
S 24	21 29	20 54	4 55	15 48	0 5	11 32	6 34	10 22	1 34	18 27	0 42	2 51	2 26	18 50	0 45	1 14	1 57	32 11	11 17	10 44	10 20	3 56		n.a.	S 24
S 25	21 18	24 57	5 10	15 14	0s 3	11 27	6 46	10 36	1 35	18 29	0 42	2 53	2 26	18 50	0 45	1 14	1 57	32 11	11 17	10 45	10 21	3 59		n.a.	S 25
M26	21 7	27 31	5 7	14 39	0 11	11 23	6 58	10 50	1 35	18 31	0 42	2 54	2 25	18 51	0 45	1 14	1 57	32 11	11 17	10 47	10 22	4 3		n.a.	M26
T 27	20 56	28 26	4 47	14 4	0 20	11 20	7 9	11 4	1 36	18 34	0 42	2 56	2 25	18 51	0 45	1 15	1 57	32 12	11 17	10 49	10 23	4 6		n.a.	T 27
W28	20 44	27 41	4 12	13 29	0 29	11 18	7 19	11 19	1 37	18 36	0 42	2 57	2 25	18 52	0 45	1 15	1 57	32 12	11 17	10 51	10 24	4 9		n.a.	W28
T 29	20 32	25 25	3 24	12 55	0 37	11 17	7 29	11 33	1 37	18 38	0 42	2 59	2 25	18 53	0 45	1 15	1 57	32 12	11 17	10 53	10 25	4 13		n.a.	T 29
F 30	20 19	21 54	2 27	12 20	0 46	11 17	7 38	11 47	1 38	18 40	0 42	3 0	2 24	18 53	0 45	1 15	1 57	32 13	11 17	10 54	10 26	4 16		n.a.	F 30
S 31	20n 7	17s26	1s24	11n46	0s55	11n17	7s46	12s 1	1s38	18n43	0s42	3s 2	2n24	18s54	0s45	1s16	1s57	32s13	11s17	10s55	10s28	4n20		n.a.	S 31

Julian Day Number = 1563816.5, Delta T = 04h22m21s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'54, Lahiri = - 9°54'53 Julian Calendar 1 July 432 BCE == Greg. Calendar 26 June 432 BCE

The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

AUGUST 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 16 29	2♌20'41	28♒45	28♌22	6°R12	27♎30	25♉38	13♎10	9°R12	1°R18	26°R18	1°D56	3♓ 9	4♈45	n.a.	S 1
M 2	20 20 26	3°18'50	10♓50	29°34	5♌35	28° 8	25°47	13°14	9♒ 9	1♈17	26♉16	1♓56	3° 6	4°51	n.a.	M 2
T 3	20 24 22	4°17'01	22°46	0♍44	4°58	28°45	25°56	13°18	9° 7	1°16	26°15	1°58	3° 3	4°58	n.a.	T 3
W 4	20 28 19	5°15'14	4♈37	1°52	4°22	29°23	26° 4	13°21	9° 5	1°15	26°14	1°59	3° 0	5° 5	n.a.	W 4
T 5	20 32 16	6°13'29	16°26	2°58	3°45	0♏ 1	26°13	13°25	9° 2	1°15	26°13	2° 1	2°56	5°11	n.a.	T 5
F 6	20 36 12	7°11'46	28°18	4° 1	3° 8	0°39	26°21	13°29	9° 0	1°14	26°11	2° 2	2°53	5°18	n.a.	F 6
S 7	20 40 9	8°10'05	10♉19	5° 3	2°32	1°17	26°29	13°33	8°57	1°13	26°10	2°R 2	2°50	5°25	n.a.	S 7
S 8	20 44 5	9° 8'27	22°32	6° 1	1°57	1°56	26°37	13°38	8°55	1°12	26° 9	2° 2	2°47	5°31	n.a.	S 8
M 9	20 48 2	10° 6'51	5♊ 3	6°57	1°23	2°34	26°45	13°42	8°53	1°11	26° 8	2° 0	2°44	5°38	n.a.	M 9
T 10	20 51 58	11° 5'18	17°54	7°51	0°50	3°13	26°53	13°46	8°50	1°10	26° 6	1°58	2°40	5°45	n.a.	T 10
W11	20 55 55	12° 3'46	1♋10	8°41	0°19	3°52	27° 1	13°51	8°48	1° 9	26° 5	1°55	2°37	5°51	n.a.	W11
T 12	20 59 51	13° 2'17	14°49	9°27	29♋49	4°31	27° 8	13°55	8°45	1° 8	26° 4	1°52	2°34	5°58	n.a.	T 12
F 13	21 3 48	14° 0'50	28°51	10°11	29°21	5°10	27°15	14° 0	8°43	1° 7	26° 3	1°50	2°31	6° 5	n.a.	F 13
S 14	21 7 45	14°59'25	13♌13	10°50	28°55	5°50	27°23	14° 4	8°41	1° 6	26° 1	1°48	2°28	6°11	n.a.	S 14
S 15	21 11 41	15°58'02	27°50	11°26	28°31	6°29	27°30	14° 9	8°38	1° 5	26° 0	1°D47	2°25	6°18	n.a.	S 15
M16	21 15 38	16°56'40	12♍34	11°57	28° 9	7° 9	27°37	14°14	8°36	1° 4	25°59	1°48	2°21	6°25	n.a.	M16
T 17	21 19 34	17°55'21	27°19	12°23	27°49	7°49	27°43	14°19	8°34	1° 3	25°58	1°48	2°18	6°31	n.a.	T 17
W18	21 23 31	18°54'04	11♎58	12°44	27°31	8°29	27°50	14°23	8°31	1° 2	25°57	1°49	2°15	6°38	n.a.	W18
T 19	21 27 27	19°52'48	26°27	13° 0	27°16	9° 9	27°56	14°28	8°29	1° 1	25°55	1°50	2°12	6°45	n.a.	T 19
F 20	21 31 24	20°51'34	10♏42	13°10	27° 3	9°50	28° 3	14°33	8°27	1° 0	25°54	1°51	2° 9	6°51	n.a.	F 20
S 21	21 35 20	21°50'22	24°40	13°R13	26°53	10°30	28° 9	14°39	8°24	0°58	25°53	1°R51	2° 6	6°58	n.a.	S 21
S 22	21 39 17	22°49'12	8♐21	13°11	26°45	11°11	28°15	14°44	8°22	0°57	25°52	1°51	2° 2	7° 5	n.a.	S 22
M23	21 43 14	23°48'04	21°45	13° 1	26°39	11°52	28°21	14°49	8°20	0°56	25°51	1°50	1°59	7°12	n.a.	M23
T 24	21 47 10	24°46'58	4♑53	12°44	26°36	12°33	28°26	14°54	8°17	0°55	25°50	1°49	1°56	7°18	n.a.	T 24
W25	21 51 7	25°45'54	17°46	12°20	26°D35	13°14	28°32	14°59	8°15	0°53	25°49	1°48	1°53	7°25	n.a.	W25
T 26	21 55 3	26°44'51	0♒25	11°48	26°37	13°55	28°37	15° 5	8°13	0°52	25°48	1°48	1°50	7°32	n.a.	T 26
F 27	21 59 0	27°43'51	12°52	11° 9	26°41	14°36	28°42	15°10	8°11	0°51	25°46	1°47	1°46	7°38	n.a.	F 27
S 28	22 2 56	28°42'52	25° 8	10°23	26°47	15°17	28°47	15°16	8° 8	0°49	25°45	1°47	1°43	7°45	n.a.	S 28
S 29	22 6 53	29°41'56	7♓14	9°30	26°55	15°59	28°52	15°21	8° 6	0°48	25°44	1°D47	1°40	7°52	n.a.	S 29
M30	22 10 49	0♍41'02	19°12	8°31	27° 6	16°40	28°57	15°27	8° 4	0°47	25°43	1°47	1°37	7°58	n.a.	M30
T 31	22 14 46	1♍40'10	1♈ 5	7♍27	27♋18	17♏22	29♉ 1	15♎33	8♒ 2	0♈45	25♑42	1°R47	1♓34	8♈ 5	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	19n54	12s20	0s17	11n11	1s 5	11n19	7s54	12s15	1s39	18n45	0s42	3s 3	2n24	18s55	0s45	1s16	1s57	32s13	11s17	10s55	10s29	4n23			n.a.
M 2	19 40	6 51	0n49	10 37	1 14	11 21	8 1	12 29	1 40	18 47	0 42	3 5	2 24	18 55	0 45	1 16	1 57	32 13	11 17	10 55	10 30	4 26			n.a.
T 3	19 26	1 12	1 52	10 4	1 23	11 24	8 7	12 44	1 40	18 49	0 42	3 7	2 23	18 56	0 45	1 17	1 57	32 14	11 17	10 55	10 31	4 30			n.a.
W 4	19 12	4n27	2 50	9 31	1 32	11 27	8 12	12 58	1 41	18 51	0 42	3 9	2 23	18 57	0 45	1 17	1 57	32 14	11 17	10 54	10 32	4 33			n.a.
T 5	18 58	9 56	3 41	8 58	1 42	11 31	8 16	13 12	1 41	18 53	0 42	3 10	2 23	18 57	0 45	1 17	1 57	32 14	11 17	10 54	10 33	4 36			n.a.
F 6	18 43	15 5	4 22	8 27	1 51	11 36	8 19	13 26	1 42	18 55	0 42	3 12	2 23	18 58	0 45	1 18	1 58	32 14	11 17	10 53	10 35	4 40			n.a.
S 7	18 28	19 43	4 53	7 56	2 0	11 42	8 22	13 40	1 42	18 57	0 42	3 14	2 23	18 59	0 45	1 18	1 58	32 15	11 17	10 53	10 36	4 43			n.a.
S 8	18 12	23 38	5 11	7 25	2 9	11 48	8 23	13 54	1 43	18 59	0 42	3 16	2 22	18 59	0 45	1 19	1 58	32 15	11 17	10 53	10 37	4 47			n.a.
M 9	17 56	26 34	5 15	6 56	2 18	11 55	8 24	14 8	1 43	19 1	0 42	3 18	2 22	19 0	0 45	1 19	1 58	32 15	11 17	10 54	10 38	4 50			n.a.
T 10	17 40	28 13	5 3	6 28	2 27	12 2	8 24	14 22	1 44	19 2	0 42	3 20	2 22	19 1	0 45	1 19	1 58	32 15	11 17	10 55	10 39	4 53			n.a.
W11	17 24	28 20	4 35	6 1	2 36	12 10	8 23	14 36	1 44	19 4	0 42	3 22	2 22	19 1	0 45	1 20	1 58	32 16	11 17	10 56	10 40	4 57			n.a.
T 12	17 7	26 44	3 51	5 35	2 45	12 18	8 21	14 50	1 44	19 6	0 42	3 23	2 21	19 2	0 45	1 20	1 58	32 16	11 17	10 57	10 42	5 0			n.a.
F 13	16 50	23 28	2 52	5 11	2 53	12 26	8 18	15 3	1 45	19 7	0 42	3 25	2 21	19 2	0 45	1 21	1 58	32 16	11 17	10 58	10 43	5 3			n.a.
S 14	16 33	18 41	1 41	4 48	3 2	12 35	8 14	15 17	1 45	19 9	0 42	3 27	2 21	19 3	0 45	1 21	1 58	32 16	11 17	10 58	10 44	5 7			n.a.
S 15	16 15	12 43	0 22	4 27	3 9	12 43	8 10	15 31	1 46	19 11	0 42	3 29	2 21	19 4	0 45	1 22	1 58	32 17	11 17	10 58	10 45	5 10			n.a.
M16	15 58	6 1	0s59	4 9	3 17	12 52	8 5	15 45	1 46	19 12	0 42	3 32	2 21	19 4	0 45	1 22	1 58	32 17	11 17	10 58	10 46	5 13			n.a.
T 17	15 39	1s 0	2 17	3 52	3 24	13 2	8 0	15 58	1 46	19 14	0 42	3 34	2 20	19 5	0 45	1 23	1 58	32 17	11 17	10 58	10 47	5 17			n.a.
W18	15 21	7 55	3 25	3 38	3 30	13 11	7 54	16 12	1 47	19 15	0 42	3 36	2 20	19 6	0 45	1 23	1 58	32 17	11 16	10 58	10 48	5 20			n.a.
T 19	15 2	14 20	4 19	3 26	3 36	13 20	7 47	16 25	1 47	19 17	0 42	3 38	2 20	19 6	0 45	1 24	1 58	32 17	11 16	10 57	10 50	5 23			n.a.
F 20	14 44	19 54	4 56	3 18	3 42	13 30	7 40	16 38	1 47	19 18	0 42	3 40	2 20	19 7	0 45	1 24	1 58	32 17	11 16	10 57	10 51	5 27			n.a.
S 21	14 25	24 15	5 14	3 12	3 46	13 39	7 32	16 52	1 47	19 20	0 42	3 42	2 20	19 7	0 45	1 25	1 58	32 18	11 16	10 57	10 52	5 30			n.a.
S 22	14 5	27 10	5 15	3 10	3 49	13 48	7 24	17 5	1 48	19 21	0 42	3 44	2 19	19 8	0 45	1 25	1 58	32 18	11 16	10 57	10 53	5 33			n.a.
M23	13 46	28 27	4 58	3 12	3 52	13 58	7 16	17 18	1 48	19 22	0 42	3 46	2 19	19 9	0 45	1 26	1 58	32 18	11 16	10 58	10 54	5 37			n.a.
T 24	13 26	28 5	4 26	3 17	3 53	14 7	7 7	17 31	1 48	19 23	0 42	3 49	2 19	19 9	0 45	1 26	1 58	32 18	11 16	10 58	10 55	5 40			n.a.
W25	13 6	26 12	3 41	3 27	3 52	14 16	6 59	17 44	1 48	19 25	0 42	3 51	2 19	19 10	0 45	1 27	1 58	32 18	11 16	10 58	10 57	5 43			n.a.
T 26	12 45	23 1	2 45	3 41	3 51	14 24	6 49	17 57	1 49	19 26	0 42	3 53	2 19	19 10	0 45	1 28	1 59	32 18	11 16	10 58	10 58	5 47			n.a.
F 27	12 25	18 49	1 43	3 59	3 47	14 33	6 40	18 9	1 49	19 27	0 42	3 55	2 18	19 11	0 45	1 28	1 59	32 18	11 16	10 59	10 59	5 50			n.a.
S 28	12 4	13 53	0 37	4 22	3 42	14 41	6 30	18 22	1 49	19 28	0 42	3 58	2 18	19 12	0 45	1 29	1 59	32 19	11 16	10 59	11 0	5 53			n.a.
S 29	11 43	8 30	0n30	4 48	3 34	14 49	6 21	18 34	1 49	19 29	0 42	4 0	2 18	19 12	0 45	1 29	1 59	32 19	11 16	10 59	11 1	5 57			n.a.
M30	11 22	2 52	1 35	5 19	3 25	14 57	6 11	18 47	1 49	19 30	0 42	4 2	2 18	19 13	0 45	1 30	1 59	32 19	11 15	10 59	11 2	6 0			n.a.
T 31	11n 1	2n48	2n36	5n53	3s14	15n 4	6s 1	18s59	1s49	19n31	0s42	4s 5	2n18	19s13	0s45	1s30	1s59	32s19	11s15	10s59	11s 3	6n 3			n.a.

Julian Day Number = 1563847.5, Delta T = 04h22m20s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'49, Lahiri = - 9°54'49 Julian Calendar 1 Aug. 432 BCE == Greg. Calendar 27 July 432 BCE

The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

SEPTEMBER 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 18 42	2♍39'20	12♈54	6°R20	27♋33	18♏ 4	29♉ 5	15♎38	8°R 0	0°R44	25°R41	1°R47	1♓31	8♈12	n.a.	W 1
T 2	22 22 39	3°38'32	24°43	5♍11	27°50	18°46	29°10	15°44	7♒58	0♈42	25♑40	1♓47	1°27	8°18	n.a.	T 2
F 3	22 26 36	4°37'47	6♉35	4° 1	28° 9	19°28	29°14	15°50	7°56	0°41	25°39	1°47	1°24	8°25	n.a.	F 3
S 4	22 30 32	5°37'05	18°35	2°53	28°30	20°10	29°17	15°56	7°54	0°39	25°38	1°46	1°21	8°32	n.a.	S 4
S 5	22 34 29	6°36'25	0♊46	1°49	28°52	20°53	29°21	16° 2	7°52	0°38	25°38	1°46	1°18	8°38	n.a.	S 5
M 6	22 38 25	7°35'47	13°13	0°49	29°16	21°35	29°24	16° 8	7°50	0°36	25°37	1°D46	1°15	8°45	n.a.	M 6
T 7	22 42 22	8°35'12	25°59	29♌57	29°42	22°17	29°27	16°14	7°48	0°35	25°36	1°46	1°11	8°52	n.a.	T 7
W 8	22 46 18	9°34'40	9♋10	29°13	0♌10	23° 0	29°31	16°20	7°46	0°33	25°35	1°47	1° 8	8°58	n.a.	W 8
T 9	22 50 15	10°34'09	22°47	28°39	0°40	23°43	29°33	16°26	7°44	0°32	25°34	1°48	1° 5	9° 5	n.a.	T 9
F 10	22 54 11	11°33'41	6♌50	28°15	1°10	24°26	29°36	16°32	7°42	0°30	25°33	1°49	1° 2	9°12	n.a.	F 10
S 11	22 58 8	12°33'16	21°19	28° 1	1°43	25° 8	29°38	16°38	7°40	0°28	25°32	1°49	0°59	9°18	n.a.	S 11
S 12	23 2 5	13°32'52	6♍ 8	27°D59	2°17	25°51	29°41	16°44	7°38	0°27	25°32	1°R49	0°56	9°25	n.a.	S 12
M13	23 6 1	14°32'31	21°11	28° 8	2°52	26°35	29°43	16°51	7°36	0°25	25°31	1°49	0°52	9°32	n.a.	M13
T 14	23 9 58	15°32'12	6♎18	28°27	3°28	27°18	29°45	16°57	7°35	0°24	25°30	1°48	0°49	9°38	n.a.	T 14
W15	23 13 54	16°31'54	21°21	28°57	4° 6	28° 1	29°46	17° 3	7°33	0°22	25°29	1°46	0°46	9°45	n.a.	W15
T 16	23 17 51	17°31'39	6♏12	29°35	4°45	28°44	29°48	17°10	7°31	0°20	25°29	1°44	0°43	9°52	n.a.	T 16
F 17	23 21 47	18°31'26	20°42	0♍22	5°25	29°28	29°49	17°16	7°30	0°19	25°28	1°42	0°40	9°58	n.a.	F 17
S 18	23 25 44	19°31'14	4♐50	1°18	6° 6	0♐11	29°50	17°23	7°28	0°17	25°27	1°41	0°37	10° 5	n.a.	S 18
S 19	23 29 40	20°31'05	18°32	2°20	6°49	0°55	29°51	17°29	7°26	0°15	25°27	1°D40	0°33	10°12	n.a.	S 19
M20	23 33 37	21°30'57	1♑51	3°28	7°32	1°39	29°52	17°36	7°25	0°14	25°26	1°40	0°30	10°18	n.a.	M20
T 21	23 37 34	22°30'51	14°48	4°41	8°17	2°23	29°52	17°42	7°23	0°12	25°25	1°42	0°27	10°25	n.a.	T 21
W22	23 41 30	23°30'47	27°27	5°59	9° 2	3° 6	29°53	17°49	7°22	0°10	25°25	1°43	0°24	10°32	n.a.	W22
T 23	23 45 27	24°30'44	9♒50	7°21	9°49	3°50	29°R53	17°56	7°21	0° 9	25°24	1°45	0°21	10°38	n.a.	T 23
F 24	23 49 23	25°30'43	22° 2	8°47	10°36	4°34	29°53	18° 2	7°19	0° 7	25°24	1°46	0°17	10°45	n.a.	F 24
S 25	23 53 20	26°30'44	4♓ 5	10°15	11°24	5°18	29°52	18° 9	7°18	0° 5	25°23	1°R46	0°14	10°52	n.a.	S 25
S 26	23 57 16	27°30'47	16° 1	11°46	12°14	6° 3	29°52	18°16	7°17	0° 4	25°23	1°45	0°11	10°58	n.a.	S 26
M27	0 1 13	28°30'52	27°53	13°19	13° 4	6°47	29°51	18°22	7°15	0° 2	25°22	1°43	0° 8	11° 5	n.a.	M27
T 28	0 5 9	29°30'59	9♈43	14°53	13°54	7°31	29°50	18°29	7°14	0° 0	25°22	1°39	0° 5	11°12	n.a.	T 28
W29	0 9 6	0♎31'08	21°33	16°28	14°46	8°15	29°49	18°36	7°13	29♓59	25°21	1°35	0° 2	11°19	n.a.	W29
T 30	0 13 2	1♎31'18	3♉25	18♍ 4	15♌38	9♐ 0	29♉48	18♎43	7♒12	29♓57	25♑21	1♓29	29♒58	11♈25	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n40	8n21	3n29	6n30	3s 1	15n11	5s51	19s11	1s50	19n32	0s42	4s 7	2n18	19s14	0s45	1s31	1s59	32s19	11s15	10s59	11s 5	6n 7		n.a.
T 2	10 18	13 37	4 14	7 10	2 46	15 18	5 40	19 23	1 50	19 33	0 42	4 10	2 17	19 14	0 45	1 32	1 59	32 19	11 15	10 59	11 6	6 10		n.a.
F 3	9 56	18 24	4 47	7 51	2 29	15 24	5 30	19 35	1 50	19 34	0 42	4 12	2 17	19 15	0 45	1 32	1 59	32 19	11 15	10 59	11 7	6 13		n.a.
S 4	9 34	22 31	5 9	8 33	2 11	15 30	5 20	19 47	1 50	19 35	0 42	4 14	2 17	19 15	0 45	1 33	1 59	32 19	11 15	10 59	11 8	6 17		n.a.
S 5	9 12	25 44	5 17	9 14	1 52	15 36	5 10	19 58	1 50	19 35	0 42	4 17	2 17	19 16	0 45	1 34	1 59	32 19	11 15	10 59	11 9	6 20		n.a.
M 6	8 50	27 49	5 11	9 54	1 32	15 41	5 0	20 10	1 50	19 36	0 42	4 19	2 17	19 16	0 45	1 34	1 59	32 19	11 14	10 59	11 10	6 23		n.a.
T 7	8 27	28 31	4 50	10 31	1 12	15 45	4 50	20 21	1 50	19 37	0 42	4 22	2 17	19 17	0 45	1 35	1 59	32 19	11 14	10 59	11 11	6 27		n.a.
W 8	8 5	27 37	4 12	11 6	0 51	15 49	4 40	20 32	1 50	19 37	0 42	4 24	2 17	19 17	0 45	1 36	1 59	32 19	11 14	10 59	11 13	6 30		n.a.
T 9	7 42	25 5	3 20	11 36	0 31	15 53	4 29	20 43	1 50	19 38	0 42	4 27	2 16	19 18	0 45	1 36	1 59	32 19	11 14	10 58	11 14	6 33		n.a.
F 10	7 19	20 58	2 14	12 3	0 12	15 56	4 19	20 54	1 50	19 39	0 42	4 29	2 16	19 18	0 45	1 37	1 59	32 19	11 14	10 58	11 15	6 37		n.a.
S 11	6 56	15 30	0 58	12 25	0n 6	15 59	4 10	21 5	1 50	19 39	0 42	4 32	2 16	19 19	0 45	1 37	1 59	32 19	11 14	10 58	11 16	6 40		n.a.
S 12	6 33	9 1	0s24	12 41	0 23	16 1	4 0	21 15	1 50	19 40	0 42	4 34	2 16	19 19	0 45	1 38	1 59	32 19	11 14	10 58	11 17	6 43		n.a.
M13	6 10	1 56	1 45	12 53	0 39	16 3	3 50	21 25	1 50	19 40	0 42	4 37	2 16	19 20	0 45	1 39	1 59	32 19	11 13	10 58	11 18	6 46		n.a.
T 14	5 46	5s17	3 0	13 0	0 54	16 4	3 40	21 36	1 50	19 40	0 42	4 39	2 16	19 20	0 45	1 39	1 59	32 19	11 13	10 58	11 19	6 50		n.a.
W15	5 23	12 9	4 1	13 2	1 7	16 4	3 31	21 46	1 50	19 41	0 42	4 42	2 16	19 21	0 45	1 40	1 59	32 19	11 13	10 59	11 21	6 53		n.a.
T 16	4 59	18 14	4 45	12 59	1 18	16 4	3 21	21 55	1 50	19 41	0 42	4 45	2 15	19 21	0 45	1 41	1 59	32 19	11 13	11 0	11 22	6 56		n.a.
F 17	4 36	23 8	5 10	12 51	1 28	16 4	3 12	22 5	1 50	19 41	0 42	4 47	2 15	19 21	0 45	1 42	1 59	32 19	11 13	11 0	11 23	7 0		n.a.
S 18	4 12	26 32	5 15	12 40	1 37	16 3	3 2	22 14	1 50	19 42	0 42	4 50	2 15	19 22	0 45	1 42	1 59	32 19	11 12	11 1	11 24	7 3		n.a.
S 19	3 48	28 16	5 2	12 24	1 44	16 1	2 53	22 24	1 50	19 42	0 42	4 52	2 15	19 22	0 45	1 43	1 59	32 19	11 12	11 1	11 25	7 6		n.a.
M20	3 24	28 18	4 33	12 5	1 50	15 59	2 44	22 33	1 50	19 42	0 42	4 55	2 15	19 23	0 45	1 44	1 59	32 19	11 12	11 1	11 26	7 10		n.a.
T 21	3 0	26 44	3 51	11 42	1 55	15 56	2 35	22 42	1 49	19 42	0 42	4 58	2 15	19 23	0 45	1 44	1 59	32 19	11 12	11 1	11 27	7 13		n.a.
W22	2 36	23 51	2 58	11 16	1 59	15 53	2 26	22 50	1 49	19 42	0 42	5 0	2 15	19 23	0 45	1 45	1 59	32 19	11 12	11 0	11 29	7 16		n.a.
T 23	2 12	19 54	1 58	10 47	2 1	15 49	2 17	22 59	1 49	19 42	0 42	5 3	2 15	19 24	0 45	1 46	1 59	32 19	11 11	10 59	11 30	7 19		n.a.
F 24	1 48	15 11	0 53	10 16	2 3	15 44	2 9	23 7	1 49	19 42	0 42	5 6	2 15	19 24	0 45	1 46	1 59	32 19	11 11	10 59	11 31	7 23		n.a.
S 25	1 24	9 57	0n13	9 43	2 3	15 39	2 0	23 15	1 49	19 42	0 42	5 8	2 15	19 24	0 45	1 47	1 59	32 19	11 11	10 59	11 32	7 26		n.a.
S 26	1 0	4 24	1 18	9 8	2 3	15 34	1 52	23 23	1 49	19 42	0 42	5 11	2 14	19 25	0 45	1 48	1 59	32 18	11 11	10 59	11 33	7 29		n.a.
M27	0 36	1n16	2 19	8 31	2 2	15 28	1 44	23 30	1 48	19 42	0 42	5 14	2 14	19 25	0 45	1 48	1 59	32 18	11 11	11 0	11 34	7 32		n.a.
T 28	0 12	6 51	3 13	7 53	2 1	15 21	1 36	23 38	1 48	19 42	0 42	5 16	2 14	19 25	0 44	1 49	1 59	32 18	11 10	11 1	11 35	7 36		n.a.
W29	0s13	12 12	4 0	7 14	1 59	15 13	1 28	23 45	1 48	19 41	0 42	5 19	2 14	19 25	0 44	1 50	1 59	32 18	11 10	11 3	11 36	7 39		n.a.
T 30	0s37	17n 7	4n36	6n33	1n56	15n 5	1s20	23s52	1s48	19n41	0s42	5s22	2n14	19s26	0s44	1s50	1s59	32s18	11s10	11s 5	11s38	7n42		n.a.

Julian Day Number = 1563878.5, Delta T = 04h22m19s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'45, Lahiri = - 9°54'45 Julian Calendar 1 Sept. 432 BCE == Greg. Calendar 27 Aug. 432 BCE

The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

OCTOBER 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 16 59	2♎31'31	15♉20	19♍41	16♌31	9♐44	29°R46	18♎50	7°R11	29°R55	25°R21	1°R23	29♒55	11♈32	n.a.	F 1
S 2	0 20 56	3°31'47	27°22	21°19	17°25	10°29	29♉45	18°56	7♒10	29♓54	25♑20	1♓18	29°52	11°39	n.a.	S 2
S 3	0 24 52	4°32'04	9♊33	22°57	18°19	11°13	29°43	19° 3	7° 9	29°52	25°20	1°14	29°49	11°45	n.a.	S 3
M 4	0 28 49	5°32'23	21°58	24°35	19°14	11°58	29°41	19°10	7° 8	29°50	25°20	1°12	29°46	11°52	n.a.	M 4
T 5	0 32 45	6°32'45	4♋39	26°13	20°10	12°43	29°38	19°17	7° 7	29°49	25°19	1°D11	29°43	11°59	n.a.	T 5
W 6	0 36 42	7°33'08	17°42	27°52	21° 6	13°27	29°36	19°24	7° 6	29°47	25°19	1°11	29°39	12° 5	n.a.	W 6
T 7	0 40 38	8°33'34	1♌ 8	29°30	22° 3	14°12	29°33	19°31	7° 5	29°45	25°19	1°12	29°36	12°12	n.a.	T 7
F 8	0 44 35	9°34'02	15° 1	1♎ 8	23° 0	14°57	29°30	19°38	7° 5	29°44	25°19	1°14	29°33	12°19	n.a.	F 8
S 9	0 48 31	10°34'31	29°21	2°46	23°58	15°42	29°27	19°45	7° 4	29°42	25°19	1°R15	29°30	12°25	n.a.	S 9
S 10	0 52 28	11°35'03	14♍ 6	4°24	24°57	16°27	29°24	19°52	7° 3	29°40	25°18	1°14	29°27	12°32	n.a.	S 10
M11	0 56 25	12°35'36	29°11	6° 2	25°56	17°12	29°20	19°59	7° 3	29°39	25°18	1°12	29°23	12°39	n.a.	M11
T 12	1 0 21	13°36'12	14♎27	7°39	26°55	17°57	29°17	20° 6	7° 2	29°37	25°18	1° 7	29°20	12°45	n.a.	T 12
W13	1 4 18	14°36'49	29°44	9°16	27°55	18°42	29°13	20°13	7° 2	29°35	25°18	1° 1	29°17	12°52	n.a.	W13
T 14	1 8 14	15°37'27	14♏51	10°53	28°55	19°27	29° 9	20°20	7° 1	29°34	25°18	0°54	29°14	12°59	n.a.	T 14
F 15	1 12 11	16°38'07	29°39	12°30	29°56	20°13	29° 5	20°27	7° 1	29°32	25°D18	0°47	29°11	13° 5	n.a.	F 15
S 16	1 16 7	17°38'48	14♐ 0	14° 6	0♍57	20°58	29° 0	20°34	7° 0	29°31	25°18	0°41	29° 8	13°12	n.a.	S 16
S 17	1 20 4	18°39'31	27°53	15°42	1°59	21°43	28°56	20°41	7° 0	29°29	25°18	0°37	29° 4	13°19	n.a.	S 17
M18	1 24 0	19°40'15	11♑16	17°18	3° 1	22°29	28°51	20°48	7° 0	29°27	25°18	0°35	29° 1	13°25	n.a.	M18
T 19	1 27 57	20°41'00	24°13	18°54	4° 4	23°14	28°46	20°55	7° 0	29°26	25°18	0°D34	28°58	13°32	n.a.	T 19
W20	1 31 54	21°41'47	6♒47	20°29	5° 6	23°59	28°41	21° 2	7° 0	29°24	25°19	0°35	28°55	13°39	n.a.	W20
T 21	1 35 50	22°42'34	19° 4	22° 4	6°10	24°45	28°36	21° 9	7° 0	29°23	25°19	0°36	28°52	13°46	n.a.	T 21
F 22	1 39 47	23°43'22	1♓ 7	23°39	7°13	25°30	28°30	21°16	6°D59	29°21	25°19	0°R37	28°48	13°52	n.a.	F 22
S 23	1 43 43	24°44'12	13° 2	25°14	8°17	26°16	28°25	21°23	6°59	29°20	25°19	0°36	28°45	13°59	n.a.	S 23
S 24	1 47 40	25°45'03	24°52	26°49	9°21	27° 1	28°19	21°30	7° 0	29°18	25°19	0°33	28°42	14° 6	n.a.	S 24
M25	1 51 36	26°45'55	6♈41	28°23	10°26	27°47	28°13	21°37	7° 0	29°17	25°20	0°27	28°39	14°12	n.a.	M25
T 26	1 55 33	27°46'48	18°31	29°57	11°30	28°32	28° 7	21°44	7° 0	29°15	25°20	0°19	28°36	14°19	n.a.	T 26
W27	1 59 29	28°47'42	0♉24	1♏32	12°35	29°18	28° 1	21°51	7° 0	29°14	25°20	0° 8	28°33	14°26	n.a.	W27
T 28	2 3 26	29°48'38	12°22	3° 6	13°41	0♑ 4	27°54	21°58	7° 0	29°12	25°21	29♒56	28°29	14°32	n.a.	T 28
F 29	2 7 23	0♏49'35	24°25	4°40	14°47	0°49	27°48	22° 5	7° 1	29°11	25°21	29°44	28°26	14°39	n.a.	F 29
S 30	2 11 19	1°50'33	6♊35	6°14	15°53	1°35	27°41	22°12	7° 1	29°10	25°21	29°33	28°23	14°46	n.a.	S 30
S 31	2 15 16	2♏51'33	18♊54	7♏48	16♍59	2♑21	27♉35	22♎19	7♒ 1	29♓ 8	25♑22	29♒23	28♒20	14♈52	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1 s 1	21n25	5n 0	5n51	1n53	14n57	1 s12	23 s58	1 s48	19n41	0 s42	5 s24	2n14	19 s26	0 s44	1 s51	1 s59	32 s18	11 s10	11 s 7	11 s39	7n46		n.a.
S 2	1 25	24 52	5 11	5 9	1 49	14 48	1 4	24 5	1 47	19 40	0 42	5 27	2 14	19 26	0 44	1 52	1 59	32 18	11 10	11 9	11 40	7 49		n.a.
S 3	1 49	27 15	5 9	4 26	1 45	14 38	0 57	24 11	1 47	19 40	0 42	5 30	2 14	19 26	0 44	1 52	1 59	32 18	11 9	11 10	11 41	7 52		n.a.
M 4	2 14	28 21	4 52	3 43	1 41	14 28	0 50	24 17	1 47	19 39	0 42	5 32	2 14	19 27	0 44	1 53	1 59	32 17	11 9	11 11	11 42	7 55		n.a.
T 5	2 38	28 0	4 20	2 59	1 36	14 17	0 42	24 23	1 47	19 39	0 42	5 35	2 14	19 27	0 44	1 54	1 59	32 17	11 9	11 12	11 43	7 59		n.a.
W 6	3 2	26 7	3 35	2 15	1 31	14 5	0 35	24 28	1 46	19 38	0 42	5 38	2 14	19 27	0 44	1 54	1 59	32 17	11 9	11 12	11 44	8 2		n.a.
T 7	3 26	22 43	2 37	1 30	1 25	13 53	0 29	24 33	1 46	19 38	0 42	5 41	2 14	19 27	0 44	1 55	1 59	32 17	11 8	11 11	11 46	8 5		n.a.
F 8	3 50	17 56	1 27	0 46	1 20	13 41	0 22	24 38	1 46	19 37	0 42	5 43	2 14	19 27	0 44	1 56	1 59	32 17	11 8	11 11	11 47	8 8		n.a.
S 9	4 14	12 1	0 10	0 1	1 14	13 28	0 15	24 43	1 45	19 37	0 42	5 46	2 13	19 27	0 44	1 56	1 59	32 16	11 8	11 10	11 48	8 12		n.a.
S 10	4 38	5 16	1 s 9	0 s44	1 8	13 14	0 9	24 48	1 45	19 36	0 42	5 49	2 13	19 28	0 44	1 57	1 59	32 16	11 8	11 10	11 49	8 15		n.a.
M11	5 2	1 s54	2 26	1 28	1 2	13 0	0 2	24 52	1 45	19 35	0 42	5 51	2 13	19 28	0 44	1 58	1 59	32 16	11 8	11 11	11 50	8 18		n.a.
T 12	5 26	9 1	3 32	2 13	0 56	12 45	0n 4	24 56	1 44	19 34	0 42	5 54	2 13	19 28	0 44	1 58	1 59	32 16	11 7	11 13	11 51	8 21		n.a.
W13	5 50	15 38	4 24	2 58	0 50	12 30	0 10	24 59	1 44	19 34	0 42	5 57	2 13	19 28	0 44	1 59	1 59	32 16	11 7	11 15	11 52	8 25		n.a.
T 14	6 14	21 13	4 57	3 42	0 43	12 15	0 16	25 3	1 44	19 33	0 42	5 59	2 13	19 28	0 44	2 0	1 59	32 15	11 7	11 18	11 53	8 28		n.a.
F 15	6 37	25 21	5 8	4 26	0 37	11 58	0 22	25 6	1 43	19 32	0 42	6 2	2 13	19 28	0 44	2 0	1 59	32 15	11 7	11 20	11 55	8 31		n.a.
S 16	7 1	27 45	5 0	5 10	0 30	11 42	0 27	25 9	1 43	19 31	0 42	6 5	2 13	19 28	0 44	2 1	1 59	32 15	11 6	11 22	11 56	8 34		n.a.
S 17	7 24	28 18	4 34	5 54	0 24	11 25	0 33	25 12	1 43	19 30	0 42	6 8	2 13	19 28	0 44	2 2	1 59	32 15	11 6	11 24	11 57	8 37		n.a.
M18	7 47	27 9	3 54	6 37	0 17	11 7	0 38	25 14	1 42	19 29	0 42	6 10	2 13	19 28	0 44	2 2	1 59	32 14	11 6	11 25	11 58	8 41		n.a.
T 19	8 11	24 33	3 3	7 20	0 11	10 49	0 43	25 16	1 42	19 28	0 42	6 13	2 13	19 28	0 44	2 3	1 59	32 14	11 6	11 25	11 59	8 44		n.a.
W20	8 34	20 50	2 5	8 2	0 4	10 30	0 48	25 18	1 41	19 27	0 42	6 16	2 13	19 28	0 44	2 3	1 59	32 14	11 5	11 24	12 0	8 47		n.a.
T 21	8 57	16 17	1 2	8 45	0 s 3	10 12	0 53	25 19	1 41	19 26	0 42	6 18	2 13	19 28	0 44	2 4	1 59	32 14	11 5	11 24	12 1	8 50		n.a.
F 22	9 19	11 10	0n 3	9 26	0 9	9 52	0 58	25 21	1 40	19 25	0 42	6 21	2 13	19 28	0 44	2 5	1 59	32 13	11 5	11 24	12 2	8 54		n.a.
S 23	9 42	5 44	1 6	10 8	0 16	9 32	1 3	25 22	1 40	19 23	0 41	6 24	2 13	19 28	0 44	2 5	1 59	32 13	11 5	11 24	12 3	8 57		n.a.
S 24	10 5	0 8	2 6	10 48	0 22	9 12	1 7	25 23	1 40	19 22	0 41	6 26	2 13	19 28	0 44	2 6	1 59	32 13	11 5	11 25	12 5	9 0		n.a.
M25	10 27	5n27	3 1	11 29	0 28	8 51	1 12	25 23	1 39	19 21	0 41	6 29	2 13	19 28	0 44	2 6	1 59	32 13	11 4	11 27	12 6	9 3		n.a.
T 26	10 49	10 50	3 47	12 9	0 35	8 30	1 16	25 23	1 39	19 20	0 41	6 32	2 13	19 28	0 44	2 7	1 59	32 12	11 4	11 30	12 7	9 6		n.a.
W27	11 11	15 52	4 24	12 48	0 41	8 9	1 20	25 23	1 38	19 18	0 41	6 34	2 13	19 28	0 44	2 7	1 59	32 12	11 4	11 34	12 8	9 10		n.a.
T 28	11 33	20 19	4 49	13 26	0 47	7 47	1 24	25 23	1 38	19 17	0 41	6 37	2 13	19 28	0 44	2 8	1 59	32 12	11 4	11 38	12 9	9 13		n.a.
F 29	11 55	23 59	5 2	14 5	0 53	7 25	1 28	25 22	1 37	19 16	0 41	6 39	2 13	19 28	0 43	2 8	1 59	32 11	11 3	11 43	12 10	9 16		n.a.
S 30	12 16	26 38	5 1	14 42	0 59	7 2	1 31	25 21	1 37	19 14	0 41	6 42	2 13	19 27	0 43	2 9	1 59	32 11	11 3	11 47	12 11	9 19		n.a.
S 31	12 s37	28n 2	4n46	15 s19	1 s 5	6n39	1n35	25 s20	1 s36	19n13	0 s41	6 s45	2n13	19 s27	0 s43	2 s 9	1 s59	32 s11	11 s 3	11 s50	12 s12	9n22		n.a.

Julian Day Number = 1563908.5, Delta T = 04h22m18s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'41, Lahiri = - 9°54'41 Julian Calendar 1 Oct. 432 BCE == Greg. Calendar 26 Sept. 432 BCE

The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

NOVEMBER 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 19 12	3♏52'34	1♋24	9♏22	18♍ 5	3♑ 6	27°R28	22♎26	7♒ 2	29°R 7	25♑22	29°R16	28♒17	14♈59	n.a.	M 1
T 2	2 23 9	4°53'36	14° 7	10°55	19°12	3°52	27♉21	22°33	7° 2	29♓ 6	25°23	29♒11	28°14	15° 6	n.a.	T 2
W 3	2 27 5	5°54'39	27° 5	12°29	20°19	4°38	27°14	22°40	7° 3	29° 4	25°23	29° 9	28°10	15°12	n.a.	W 3
T 4	2 31 2	6°55'44	10♌23	14° 3	21°26	5°24	27° 7	22°47	7° 4	29° 3	25°24	29°D 8	28° 7	15°19	n.a.	T 4
F 5	2 34 58	7°56'50	24° 3	15°37	22°34	6° 9	26°59	22°54	7° 4	29° 2	25°24	29°R 9	28° 4	15°26	n.a.	F 5
S 6	2 38 55	8°57'57	8♍ 8	17°11	23°42	6°55	26°52	23° 1	7° 5	29° 1	25°25	29° 9	28° 1	15°32	n.a.	S 6
S 7	2 42 52	9°59'05	22°36	18°44	24°50	7°41	26°44	23° 8	7° 6	29° 0	25°25	29° 7	27°58	15°39	n.a.	S 7
M 8	2 46 48	11° 0'14	7♎26	20°18	25°58	8°27	26°37	23°14	7° 7	28°58	25°26	29° 2	27°54	15°46	n.a.	M 8
T 9	2 50 45	12° 1'24	22°31	21°52	27° 6	9°13	26°29	23°21	7° 8	28°57	25°27	28°55	27°51	15°53	n.a.	T 9
W10	2 54 41	13° 2'36	7♏42	23°26	28°15	9°58	26°21	23°28	7° 8	28°56	25°27	28°45	27°48	15°59	n.a.	W10
T 11	2 58 38	14° 3'47	22°50	24°59	29°23	10°44	26°14	23°35	7° 9	28°55	25°28	28°33	27°45	16° 6	n.a.	T 11
F 12	3 2 34	15° 5'00	7♐43	26°33	0♎32	11°30	26° 6	23°42	7°10	28°54	25°29	28°22	27°42	16°13	n.a.	F 12
S 13	3 6 31	16° 6'13	22°14	28° 7	1°41	12°16	25°58	23°48	7°12	28°53	25°29	28°11	27°39	16°19	n.a.	S 13
S 14	3 10 27	17° 7'27	6♑15	29°40	2°50	13° 2	25°50	23°55	7°13	28°52	25°30	28° 3	27°35	16°26	n.a.	S 14
M15	3 14 24	18° 8'41	19°47	1♐13	4° 0	13°48	25°42	24° 2	7°14	28°51	25°31	27°58	27°32	16°33	n.a.	M15
T 16	3 18 21	19° 9'55	2♒50	2°46	5° 9	14°34	25°34	24° 8	7°15	28°50	25°32	27°55	27°29	16°39	n.a.	T 16
W17	3 22 17	20°11'09	15°27	4°19	6°19	15°20	25°26	24°15	7°16	28°49	25°33	27°54	27°26	16°46	n.a.	W17
T 18	3 26 14	21°12'24	27°45	5°51	7°29	16° 6	25°18	24°21	7°18	28°48	25°34	27°54	27°23	16°53	n.a.	T 18
F 19	3 30 10	22°13'38	9♓47	7°23	8°39	16°51	25° 9	24°28	7°19	28°47	25°34	27°54	27°20	16°59	n.a.	F 19
S 20	3 34 7	23°14'53	21°40	8°55	9°49	17°37	25° 1	24°34	7°21	28°46	25°35	27°52	27°16	17° 6	n.a.	S 20
S 21	3 38 3	24°16'07	3♈29	10°25	10°59	18°23	24°53	24°41	7°22	28°46	25°36	27°48	27°13	17°13	n.a.	S 21
M22	3 42 0	25°17'22	15°17	11°55	12°10	19° 9	24°45	24°47	7°24	28°45	25°37	27°40	27°10	17°20	n.a.	M22
T 23	3 45 57	26°18'37	27° 9	13°23	13°20	19°55	24°37	24°54	7°25	28°44	25°38	27°30	27° 7	17°26	n.a.	T 23
W24	3 49 53	27°19'52	9♉ 7	14°50	14°31	20°41	24°29	25° 0	7°27	28°43	25°39	27°17	27° 4	17°33	n.a.	W24
T 25	3 53 50	28°21'07	21°13	16°16	15°41	21°27	24°21	25° 6	7°28	28°43	25°40	27° 3	27° 0	17°40	n.a.	T 25
F 26	3 57 46	29°22'22	3♊28	17°39	16°52	22°13	24°12	25°12	7°30	28°42	25°41	26°48	26°57	17°46	n.a.	F 26
S 27	4 1 43	0♐23'37	15°53	19° 0	18° 3	22°58	24° 4	25°19	7°32	28°41	25°42	26°34	26°54	17°53	n.a.	S 27
S 28	4 5 39	1°24'53	28°27	20°19	19°14	23°44	23°56	25°25	7°34	28°41	25°44	26°22	26°51	18° 0	n.a.	S 28
M29	4 9 36	2°26'08	11♋11	21°34	20°26	24°30	23°48	25°31	7°35	28°40	25°45	26°12	26°48	18° 6	n.a.	M29
T 30	4 13 32	3♐27'24	24♋ 6	22♐45	21♎37	25♑16	23♉40	25♎37	7♒37	28♓40	25♑46	26♒ 6	26♒45	18♈13	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s58	28n 2	4n17	15s55	1s11	6n16	1n38	25s18	1s36	19n11	0s41	6s47	2n13	19s27	0s43	2s10	1s59	32s10	11s 3	11s53	12s14	9n26		n.a.
T 2	13 19	26 34	3 35	16 30	1 16	5 53	1 41	25 17	1 35	19 10	0 41	6 50	2 13	19 27	0 43	2 10	1 59	32 10	11 2	11 54	12 15	9 29		n.a.
W 3	13 40	23 39	2 42	17 5	1 22	5 29	1 44	25 15	1 35	19 8	0 41	6 52	2 13	19 27	0 43	2 11	1 59	32 10	11 2	11 55	12 16	9 32		n.a.
T 4	14 0	19 26	1 38	17 38	1 27	5 5	1 47	25 12	1 34	19 7	0 41	6 55	2 13	19 27	0 43	2 11	1 59	32 10	11 2	11 55	12 17	9 35		n.a.
F 5	14 20	14 6	0 27	18 11	1 32	4 40	1 50	25 10	1 34	19 5	0 40	6 57	2 13	19 26	0 43	2 12	1 59	32 9	11 2	11 55	12 18	9 38		n.a.
S 6	14 40	7 54	0s48	18 43	1 37	4 16	1 53	25 7	1 33	19 3	0 40	7 0	2 13	19 26	0 43	2 12	1 58	32 9	11 2	11 55	12 19	9 41		n.a.
S 7	15 0	1 7	2 1	19 15	1 41	3 51	1 56	25 4	1 33	19 2	0 40	7 3	2 13	19 26	0 43	2 13	1 58	32 9	11 1	11 56	12 20	9 45		n.a.
M 8	15 19	5s51	3 8	19 45	1 46	3 26	1 58	25 0	1 32	19 0	0 40	7 5	2 13	19 26	0 43	2 13	1 58	32 8	11 1	11 58	12 21	9 48		n.a.
T 9	15 38	12 37	4 3	20 14	1 50	3 0	2 0	24 57	1 31	18 58	0 40	7 8	2 13	19 25	0 43	2 14	1 58	32 8	11 1	12 0	12 22	9 51		n.a.
W10	15 57	18 41	4 41	20 42	1 54	2 35	2 2	24 53	1 31	18 57	0 40	7 10	2 13	19 25	0 43	2 14	1 58	32 7	11 1	12 4	12 24	9 54		n.a.
T 11	16 16	23 32	4 59	21 9	1 57	2 9	2 4	24 49	1 30	18 55	0 40	7 12	2 13	19 25	0 43	2 14	1 58	32 7	11 0	12 8	12 25	9 57		n.a.
F 12	16 34	26 46	4 57	21 35	2 0	1 43	2 6	24 44	1 30	18 53	0 40	7 15	2 13	19 25	0 43	2 15	1 58	32 7	11 0	12 12	12 26	10 0		n.a.
S 13	16 52	28 6	4 35	22 0	2 3	1 17	2 8	24 39	1 29	18 51	0 40	7 17	2 14	19 24	0 43	2 15	1 58	32 6	11 0	12 15	12 27	10 4		n.a.
S 14	17 10	27 33	3 57	22 24	2 6	0 50	2 10	24 34	1 29	18 50	0 39	7 20	2 14	19 24	0 43	2 16	1 58	32 6	11 0	12 18	12 28	10 7		n.a.
M15	17 27	25 21	3 7	22 46	2 8	0 24	2 11	24 29	1 28	18 48	0 39	7 22	2 14	19 24	0 43	2 16	1 58	32 6	11 0	12 20	12 29	10 10		n.a.
T 16	17 44	21 52	2 9	23 7	2 10	0s 3	2 13	24 23	1 27	18 46	0 39	7 25	2 14	19 23	0 43	2 16	1 58	32 5	10 59	12 21	12 30	10 13		n.a.
W17	18 1	17 27	1 5	23 26	2 12	0 30	2 14	24 18	1 27	18 44	0 39	7 27	2 14	19 23	0 43	2 17	1 58	32 5	10 59	12 21	12 31	10 16		n.a.
T 18	18 18	12 25	0 1	23 44	2 13	0 56	2 15	24 11	1 26	18 42	0 39	7 29	2 14	19 23	0 43	2 17	1 58	32 5	10 59	12 21	12 32	10 19		n.a.
F 19	18 34	7 2	1n 2	24 1	2 13	1 23	2 16	24 5	1 26	18 40	0 39	7 32	2 14	19 22	0 43	2 17	1 58	32 4	10 59	12 22	12 33	10 23		n.a.
S 20	18 50	1 29	2 2	24 16	2 13	1 50	2 17	23 58	1 25	18 39	0 39	7 34	2 14	19 22	0 43	2 17	1 58	32 4	10 59	12 22	12 35	10 26		n.a.
S 21	19 5	4n 5	2 56	24 29	2 13	2 17	2 18	23 52	1 24	18 37	0 39	7 36	2 14	19 21	0 43	2 18	1 58	32 3	10 58	12 24	12 36	10 29		n.a.
M22	19 20	9 30	3 42	24 41	2 12	2 45	2 19	23 44	1 24	18 35	0 38	7 39	2 14	19 21	0 43	2 18	1 58	32 3	10 58	12 26	12 37	10 32		n.a.
T 23	19 35	14 36	4 19	24 51	2 10	3 12	2 19	23 37	1 23	18 33	0 38	7 41	2 14	19 20	0 43	2 18	1 58	32 3	10 58	12 30	12 38	10 35		n.a.
W24	19 49	19 12	4 45	24 59	2 7	3 39	2 20	23 29	1 22	18 31	0 38	7 43	2 14	19 20	0 43	2 18	1 58	32 2	10 58	12 34	12 39	10 38		n.a.
T 25	20 3	23 5	4 58	25 5	2 4	4 6	2 20	23 22	1 22	18 29	0 38	7 45	2 14	19 20	0 43	2 19	1 58	32 2	10 58	12 39	12 40	10 41		n.a.
F 26	20 17	25 59	4 57	25 10	2 0	4 34	2 20	23 13	1 21	18 27	0 38	7 48	2 14	19 19	0 43	2 19	1 57	32 1	10 57	12 44	12 41	10 44		n.a.
S 27	20 30	27 40	4 43	25 12	1 55	5 1	2 20	23 5	1 20	18 26	0 38	7 50	2 15	19 19	0 43	2 19	1 57	32 1	10 57	12 49	12 42	10 48		n.a.
S 28	20 43	27 59	4 14	25 13	1 50	5 28	2 20	22 57	1 20	18 24	0 37	7 52	2 15	19 18	0 43	2 19	1 57	32 1	10 57	12 53	12 43	10 51		n.a.
M29	20 55	26 48	3 33	25 12	1 43	5 55	2 20	22 48	1 19	18 22	0 37	7 54	2 15	19 18	0 42	2 19	1 57	32 0	10 57	12 57	12 44	10 54		n.a.
T 30	21s 7	24n12	2n40	25s 8	1s36	6s22	2n20	22s39	1s18	18n20	0s37	7s56	2n15	19s17	0s42	2s20	1s57	32s 0	10s57	12s59	12s46	10n57		n.a.

Julian Day Number = 1563939.5, Delta T = 04h22m16s
Ecliptic obliquity = 23°44'59, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'37, Lahiri = - 9°54'36 Julian Calendar 1 Nov. 432 BCE == Greg. Calendar 27 Oct. 432 BCE

The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 432 BCE
geocentric

DECEMBER 432 BCE (-431) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 17 29	4♐28'40	7♌12	23♐52	22♎48	26♑ 2	23°R33	25♎43	7♒39	28°R39	25♑47	26°R 3	26♒41	18♈20	n.a.	W 1
T 2	4 21 26	5°29'56	20°33	24°54	24° 0	26°48	23♉25	25°49	7°41	28♓39	25°48	26♒ 2	26°38	18°26	n.a.	T 2
F 3	4 25 22	6°31'12	4♍ 9	25°49	25°12	27°33	23°17	25°55	7°43	28°38	25°49	26° 2	26°35	18°33	n.a.	F 3
S 4	4 29 19	7°32'28	18° 2	26°38	26°23	28°19	23° 9	26° 1	7°45	28°38	25°50	26° 1	26°32	18°40	n.a.	S 4
S 5	4 33 15	8°33'44	2♎13	27°19	27°35	29° 5	23° 2	26° 6	7°47	28°38	25°52	25°59	26°29	18°47	n.a.	S 5
M 6	4 37 12	9°35'00	16°42	27°52	28°47	29°51	22°54	26°12	7°50	28°37	25°53	25°55	26°26	18°53	n.a.	M 6
T 7	4 41 8	10°36'16	1♏23	28°15	29°59	0♒36	22°47	26°18	7°52	28°37	25°54	25°48	26°22	19° 0	n.a.	T 7
W 8	4 45 5	11°37'32	16°12	28°28	1♏11	1°22	22°39	26°24	7°54	28°37	25°55	25°38	26°19	19° 7	n.a.	W 8
T 9	4 49 1	12°38'48	1♐ 1	28°R30	2°23	2° 8	22°32	26°29	7°56	28°37	25°57	25°27	26°16	19°13	n.a.	T 9
F 10	4 52 58	13°40'04	15°41	28°20	3°35	2°53	22°25	26°35	7°58	28°36	25°58	25°15	26°13	19°20	n.a.	F 10
S 11	4 56 55	14°41'19	0♑ 4	27°59	4°47	3°39	22°18	26°40	8° 1	28°36	25°59	25° 5	26°10	19°27	n.a.	S 11
S 12	5 0 51	15°42'33	14° 4	27°25	6° 0	4°25	22°11	26°46	8° 3	28°36	26° 1	24°56	26° 6	19°33	n.a.	S 12
M13	5 4 48	16°43'47	27°38	26°41	7°12	5°10	22° 4	26°51	8° 6	28°36	26° 2	24°50	26° 3	19°40	n.a.	M13
T 14	5 8 44	17°45'00	10♒45	25°46	8°24	5°56	21°57	26°56	8° 8	28°36	26° 4	24°47	26° 0	19°47	n.a.	T 14
W15	5 12 41	18°46'12	23°27	24°43	9°37	6°42	21°51	27° 2	8°11	28°D36	26° 5	24°D46	25°57	19°54	n.a.	W15
T 16	5 16 37	19°47'23	5♓49	23°32	10°49	7°27	21°44	27° 7	8°13	28°36	26° 6	24°47	25°54	20° 0	n.a.	T 16
F 17	5 20 34	20°48'32	17°54	22°17	12° 2	8°13	21°38	27°12	8°16	28°36	26° 8	24°R47	25°51	20° 7	n.a.	F 17
S 18	5 24 31	21°49'41	29°49	21° 0	13°15	8°58	21°32	27°17	8°18	28°36	26° 9	24°47	25°47	20°14	n.a.	S 18
S 19	5 28 27	22°50'49	11♈39	19°42	14°27	9°44	21°26	27°22	8°21	28°36	26°11	24°45	25°44	20°20	n.a.	S 19
M20	5 32 24	23°51'56	23°29	18°27	15°40	10°29	21°20	27°27	8°23	28°36	26°12	24°40	25°41	20°27	n.a.	M20
T 21	5 36 20	24°53'01	5♉24	17°16	16°53	11°15	21°14	27°31	8°26	28°37	26°14	24°33	25°38	20°34	n.a.	T 21
W22	5 40 17	25°54'06	17°26	16°11	18° 6	12° 0	21° 9	27°36	8°29	28°37	26°15	24°24	25°35	20°40	n.a.	W22
T 23	5 44 13	26°55'10	29°40	15°14	19°18	12°45	21° 4	27°41	8°32	28°37	26°17	24°14	25°32	20°47	n.a.	T 23
F 24	5 48 10	27°56'12	12♊ 6	14°24	20°31	13°31	20°58	27°45	8°34	28°38	26°18	24° 3	25°28	20°54	n.a.	F 24
S 25	5 52 6	28°57'13	24°46	13°44	21°44	14°16	20°53	27°50	8°37	28°38	26°20	23°52	25°25	21° 1	n.a.	S 25
S 26	5 56 3	29°58'14	7♋39	13°13	22°57	15° 1	20°49	27°54	8°40	28°38	26°21	23°43	25°22	21° 7	n.a.	S 26
M27	6 0 0	0♑59'13	20°44	12°50	24°10	15°47	20°44	27°59	8°43	28°39	26°23	23°36	25°19	21°14	n.a.	M27
T 28	6 3 56	2° 0'11	4♌ 1	12°36	25°23	16°32	20°39	28° 3	8°46	28°39	26°24	23°32	25°16	21°21	n.a.	T 28
W29	6 7 53	3° 1'09	17°28	12°D31	26°36	17°17	20°35	28° 7	8°49	28°40	26°26	23°D30	25°12	21°27	n.a.	W29
T 30	6 11 49	4° 2'05	1♍ 5	12°33	27°49	18° 2	20°31	28°12	8°52	28°40	26°28	23°30	25° 9	21°34	n.a.	T 30
F 31	6 15 46	5♑ 3'00	14♍52	12♐43	29♏ 3	18♒47	20♉27	28♎16	8♒55	28♓41	26♑29	23♒31	25♒ 6	21♈41	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	21s19	20n17	1n38	25s 3	1s27	6s50	2n20	22s29	1s18	18n18	0s37	7s58	2n15	19s17	0s42	2s20	1s57	31s59	10s56	13s 0	12s47	11n 0			n.a.
T 2	21 30	15 17	0 29	24 56	1 17	7 17	2 19	22 20	1 17	18 16	0 37	8 0	2 15	19 16	0 42	2 20	1 57	31 59	10 56	13 0	12 48	11 3			n.a.
F 3	21 41	9 27	0s43	24 47	1 6	7 43	2 19	22 10	1 16	18 15	0 37	8 2	2 15	19 15	0 42	2 20	1 57	31 59	10 56	13 0	12 49	11 6			n.a.
S 4	21 51	3 3	1 54	24 36	0 54	8 10	2 18	22 0	1 16	18 13	0 36	8 4	2 15	19 15	0 42	2 20	1 57	31 58	10 56	13 0	12 50	11 9			n.a.
S 5	22 1	3s38	2 59	24 24	0 41	8 37	2 17	21 50	1 15	18 11	0 36	8 7	2 15	19 14	0 42	2 20	1 57	31 58	10 56	13 1	12 51	11 12			n.a.
M 6	22 11	10 14	3 54	24 10	0 26	9 4	2 16	21 39	1 14	18 9	0 36	8 8	2 16	19 14	0 42	2 20	1 57	31 57	10 56	13 3	12 52	11 15			n.a.
T 7	22 20	16 23	4 35	23 55	0 10	9 30	2 15	21 29	1 14	18 8	0 36	8 10	2 16	19 13	0 42	2 20	1 57	31 57	10 56	13 5	12 53	11 19			n.a.
W 8	22 28	21 38	4 57	23 38	0n 6	9 56	2 14	21 18	1 13	18 6	0 36	8 12	2 16	19 13	0 42	2 20	1 57	31 57	10 55	13 8	12 54	11 22			n.a.
T 9	22 36	25 31	5 0	23 20	0 24	10 22	2 13	21 7	1 12	18 4	0 35	8 14	2 16	19 12	0 42	2 20	1 57	31 56	10 55	13 12	12 55	11 25			n.a.
F 10	22 44	27 39	4 42	23 2	0 43	10 48	2 12	20 56	1 12	18 3	0 35	8 16	2 16	19 11	0 42	2 20	1 57	31 56	10 55	13 16	12 57	11 28			n.a.
S 11	22 51	27 52	4 7	22 42	1 2	11 14	2 11	20 44	1 11	18 1	0 35	8 18	2 16	19 11	0 42	2 20	1 57	31 55	10 55	13 20	12 58	11 31			n.a.
S 12	22 58	26 17	3 18	22 22	1 21	11 39	2 9	20 32	1 10	17 59	0 35	8 20	2 16	19 10	0 42	2 20	1 56	31 55	10 55	13 23	12 59	11 34			n.a.
M13	23 5	23 10	2 19	22 2	1 41	12 5	2 8	20 21	1 9	17 58	0 35	8 22	2 16	19 9	0 42	2 20	1 56	31 55	10 55	13 25	13 0	11 37			n.a.
T 14	23 11	18 57	1 14	21 41	2 0	12 30	2 6	20 8	1 9	17 56	0 34	8 24	2 17	19 9	0 42	2 20	1 56	31 54	10 55	13 26	13 1	11 40			n.a.
W15	23 16	13 59	0 7	21 21	2 18	12 54	2 5	19 56	1 8	17 55	0 34	8 25	2 17	19 8	0 42	2 20	1 56	31 54	10 54	13 26	13 2	11 43			n.a.
T 16	23 21	8 36	0n58	21 1	2 34	13 19	2 3	19 44	1 7	17 53	0 34	8 27	2 17	19 7	0 42	2 20	1 56	31 53	10 54	13 26	13 3	11 46			n.a.
F 17	23 26	3 0	2 0	20 42	2 49	13 43	2 1	19 31	1 7	17 52	0 34	8 29	2 17	19 7	0 42	2 20	1 56	31 53	10 54	13 26	13 4	11 49			n.a.
S 18	23 30	2n36	2 55	20 24	3 2	14 7	2 0	19 18	1 6	17 50	0 34	8 30	2 17	19 6	0 42	2 20	1 56	31 53	10 54	13 26	13 5	11 52			n.a.
S 19	23 33	8 5	3 43	20 8	3 13	14 31	1 58	19 5	1 5	17 49	0 33	8 32	2 17	19 5	0 42	2 20	1 56	31 52	10 54	13 27	13 6	11 55			n.a.
M20	23 36	13 16	4 21	19 54	3 21	14 54	1 56	18 52	1 4	17 48	0 33	8 34	2 17	19 5	0 42	2 20	1 56	31 52	10 54	13 28	13 7	11 58			n.a.
T 21	23 39	18 0	4 48	19 42	3 27	15 17	1 54	18 39	1 4	17 46	0 33	8 35	2 18	19 4	0 42	2 20	1 56	31 51	10 54	13 30	13 8	12 2			n.a.
W22	23 41	22 4	5 2	19 32	3 30	15 39	1 52	18 25	1 3	17 45	0 33	8 37	2 18	19 3	0 42	2 19	1 56	31 51	10 54	13 33	13 10	12 5			n.a.
T 23	23 43	25 16	5 3	19 25	3 31	16 2	1 49	18 12	1 2	17 44	0 33	8 38	2 18	19 2	0 42	2 19	1 56	31 51	10 54	13 37	13 11	12 8			n.a.
F 24	23 44	27 19	4 49	19 20	3 31	16 23	1 47	17 58	1 2	17 43	0 32	8 40	2 18	19 2	0 42	2 19	1 56	31 50	10 54	13 41	13 12	12 11			n.a.
S 25	23 45	28 0	4 22	19 18	3 28	16 45	1 45	17 44	1 1	17 42	0 32	8 41	2 18	19 1	0 42	2 19	1 56	31 50	10 53	13 44	13 13	12 14			n.a.
S 26	23 45	27 11	3 40	19 19	3 23	17 6	1 43	17 30	1 0	17 41	0 32	8 43	2 18	19 0	0 42	2 19	1 56	31 49	10 53	13 47	13 14	12 17			n.a.
M27	23 45	24 52	2 46	19 22	3 18	17 26	1 40	17 15	0 59	17 39	0 32	8 44	2 19	18 59	0 42	2 19	1 56	31 49	10 53	13 50	13 15	12 20			n.a.
T 28	23 44	21 10	1 43	19 27	3 11	17 47	1 38	17 1	0 59	17 38	0 32	8 46	2 19	18 58	0 42	2 18	1 55	31 49	10 53	13 51	13 16	12 23			n.a.
W29	23 43	16 19	0 32	19 34	3 3	18 6	1 35	16 46	0 58	17 38	0 31	8 47	2 19	18 58	0 42	2 18	1 55	31 48	10 53	13 52	13 17	12 26			n.a.
T 30	23 41	10 36	0s41	19 43	2 54	18 26	1 33	16 32	0 57	17 37	0 31	8 48	2 19	18 57	0 42	2 18	1 55	31 48	10 53	13 52	13 18	12 29			n.a.
F 31	23s39	4n18	1s53	19s53	2n45	18s44	1n30	16s17	0s56	17n36	0s31	8s50	2n19	18s56	0s42	2s17	1s55	31s47	10s53	13s51	13s19	12n32			n.a.

Julian Day Number = 1563969.5, Delta T = 04h22m15s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'33, Lahiri = - 9°54'32 Julian Calendar 1 Dec. 432 BCE == Greg. Calendar 26 Nov. 432 BCE

The year -431 astronomical counting style corresponds to year 432 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

JANUARY 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 19 42	6♑ 3'54	28♍48	12♐59	0♐16	19♒32	20°R23	28♎20	8♒58	28♓41	26♑31	23♒32	25♒ 3	21♈47	n.a.	S 1
S 2	6 23 39	7° 4'47	12♎53	13°22	1°29	20°17	20♉19	28°24	9° 1	28°42	26°32	23°R32	25° 0	21°54	n.a.	S 2
M 3	6 27 36	8° 5'39	27° 6	13°50	2°42	21° 3	20°16	28°27	9° 4	28°42	26°34	23°30	24°57	22° 1	n.a.	M 3
T 4	6 31 32	9° 6'31	11♏25	14°24	3°55	21°48	20°13	28°31	9° 7	28°43	26°36	23°27	24°53	22° 8	n.a.	T 4
W 5	6 35 29	10° 7'21	25°47	15° 3	5° 9	22°32	20°10	28°35	9°10	28°44	26°37	23°21	24°50	22°14	n.a.	W 5
T 6	6 39 25	11° 8'10	10♐ 7	15°46	6°22	23°17	20° 7	28°38	9°13	28°45	26°39	23°15	24°47	22°21	n.a.	T 6
F 7	6 43 22	12° 8'58	24°19	16°33	7°35	24° 2	20° 4	28°42	9°16	28°45	26°41	23° 7	24°44	22°28	n.a.	F 7
S 8	6 47 18	13° 9'44	8♑19	17°23	8°49	24°47	20° 2	28°45	9°19	28°46	26°42	23° 1	24°41	22°34	n.a.	S 8
S 9	6 51 15	14°10'29	22° 2	18°18	10° 2	25°32	20° 0	28°49	9°22	28°47	26°44	22°56	24°38	22°41	n.a.	S 9
M10	6 55 11	15°11'13	5♒25	19°15	11°16	26°17	19°58	28°52	9°26	28°48	26°46	22°53	24°34	22°48	n.a.	M10
T 11	6 59 8	16°11'54	18°27	20°15	12°29	27° 2	19°56	28°55	9°29	28°49	26°47	22°D51	24°31	22°54	n.a.	T 11
W12	7 3 5	17°12'34	1♓ 9	21°17	13°42	27°46	19°54	28°58	9°32	28°50	26°49	22°51	24°28	23° 1	n.a.	W12
T 13	7 7 1	18°13'12	13°32	22°22	14°56	28°31	19°53	29° 1	9°35	28°51	26°51	22°53	24°25	23° 8	n.a.	T 13
F 14	7 10 58	19°13'48	25°40	23°29	16° 9	29°16	19°51	29° 4	9°39	28°52	26°52	22°54	24°22	23°15	n.a.	F 14
S 15	7 14 54	20°14'23	7♈38	24°39	17°23	0♓ 0	19°50	29° 7	9°42	28°53	26°54	22°56	24°18	23°21	n.a.	S 15
S 16	7 18 51	21°14'55	19°30	25°50	18°36	0°45	19°50	29° 9	9°45	28°54	26°56	22°R57	24°15	23°28	n.a.	S 16
M17	7 22 47	22°15'25	1♉21	27° 3	19°50	1°29	19°49	29°12	9°48	28°55	26°57	22°56	24°12	23°35	n.a.	M17
T 18	7 26 44	23°15'53	13°17	28°18	21° 3	2°14	19°49	29°14	9°52	28°56	26°59	22°54	24° 9	23°41	n.a.	T 18
W19	7 30 40	24°16'20	25°22	29°34	22°17	2°58	19°48	29°17	9°55	28°57	27° 1	22°51	24° 6	23°48	n.a.	W19
T 20	7 34 37	25°16'44	7♊39	0♑52	23°30	3°43	19°D48	29°19	9°58	28°59	27° 3	22°47	24° 3	23°55	n.a.	T 20
F 21	7 38 34	26°17'07	20°12	2°11	24°44	4°27	19°48	29°21	10° 2	29° 0	27° 4	22°43	23°59	24° 2	n.a.	F 21
S 22	7 42 30	27°17'27	3♋ 3	3°32	25°57	5°11	19°49	29°24	10° 5	29° 1	27° 6	22°38	23°56	24° 8	n.a.	S 22
S 23	7 46 27	28°17'46	16°11	4°54	27°11	5°56	19°49	29°26	10° 9	29° 2	27° 8	22°35	23°53	24°15	n.a.	S 23
M24	7 50 23	29°18'02	29°37	6°18	28°24	6°40	19°50	29°28	10°12	29° 4	27° 9	22°32	23°50	24°22	n.a.	M24
T 25	7 54 20	0♒18'17	13♌19	7°42	29°38	7°24	19°51	29°29	10°15	29° 5	27°11	22°31	23°47	24°28	n.a.	T 25
W26	7 58 16	1°18'30	27°14	9° 8	0♑51	8° 8	19°52	29°31	10°19	29° 6	27°13	22°D31	23°44	24°35	n.a.	W26
T 27	8 2 13	2°18'41	11♍18	10°35	2° 5	8°52	19°54	29°33	10°22	29° 8	27°15	22°31	23°40	24°42	n.a.	T 27
F 28	8 6 9	3°18'50	25°28	12° 4	3°18	9°36	19°55	29°34	10°26	29° 9	27°16	22°33	23°37	24°48	n.a.	F 28
S 29	8 10 6	4°18'57	9♎42	13°33	4°32	10°20	19°57	29°36	10°29	29°11	27°18	22°34	23°34	24°55	n.a.	S 29
S 30	8 14 3	5°19'03	23°55	15° 4	5°46	11° 4	19°59	29°37	10°32	29°12	27°20	22°35	23°31	25° 2	n.a.	S 30
M31	8 17 59	6♒19'07	8♏ 7	16♑35	6♑59	11♓48	20♉ 1	29♎38	10♒36	29♓14	27♑21	22°R35	23♒28	25♈ 9	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	23s36	2s14	2s59	20s 5	2n36	19s 3	1n28	16s 2	0s56	17n35	0s31	8s51	2n19	18s55	0s42	2s17	1s55	31s47	10s53	13s51	13s20	12n35		n.a.	S 1
S 2	23 33	8 45	3 55	20 17	2 26	19 20	1 25	15 47	0 55	17 34	0 30	8 52	2 20	18 54	0 42	2 17	1 55	31 47	10 53	13 51	13 21	12 38		n.a.	S 2
M 3	23 30	14 52	4 37	20 31	2 15	19 38	1 22	15 31	0 54	17 33	0 30	8 53	2 20	18 54	0 42	2 17	1 55	31 46	10 53	13 51	13 23	12 41		n.a.	M 3
T 4	23 26	20 13	5 2	20 45	2 5	19 54	1 19	15 16	0 53	17 33	0 30	8 54	2 20	18 53	0 42	2 16	1 55	31 46	10 53	13 53	13 24	12 44		n.a.	T 4
W 5	23 21	24 26	5 8	21 0	1 55	20 11	1 17	15 0	0 53	17 32	0 30	8 56	2 20	18 52	0 42	2 16	1 55	31 46	10 53	13 55	13 25	12 47		n.a.	W 5
T 6	23 17	27 7	4 55	21 15	1 44	20 26	1 14	14 45	0 52	17 32	0 30	8 57	2 20	18 51	0 42	2 16	1 55	31 45	10 53	13 57	13 26	12 50		n.a.	T 6
F 7	23 11	28 2	4 24	21 30	1 34	20 41	1 11	14 29	0 51	17 31	0 29	8 58	2 21	18 50	0 42	2 15	1 55	31 45	10 53	13 59	13 27	12 53		n.a.	F 7
S 8	23 5	27 6	3 38	21 46	1 23	20 56	1 8	14 13	0 50	17 31	0 29	8 59	2 21	18 49	0 42	2 15	1 55	31 44	10 53	14 1	13 28	12 56		n.a.	S 8
S 9	22 59	24 32	2 39	22 1	1 13	21 10	1 5	13 57	0 50	17 30	0 29	9 0	2 21	18 48	0 42	2 14	1 55	31 44	10 53	14 3	13 29	12 59		n.a.	S 9
M10	22 52	20 40	1 33	22 16	1 3	21 23	1 2	13 41	0 49	17 30	0 29	9 1	2 21	18 48	0 42	2 14	1 55	31 44	10 53	14 4	13 30	13 2		n.a.	M10
T 11	22 45	15 52	0 24	22 31	0 53	21 36	0 59	13 25	0 48	17 30	0 28	9 2	2 21	18 47	0 42	2 14	1 55	31 43	10 53	14 5	13 31	13 5		n.a.	T 11
W12	22 38	10 30	0n45	22 45	0 43	21 48	0 57	13 9	0 48	17 29	0 28	9 3	2 22	18 46	0 42	2 13	1 55	31 43	10 53	14 4	13 32	13 8		n.a.	W12
T 13	22 29	4 52	1 50	22 59	0 33	22 0	0 54	12 52	0 47	17 29	0 28	9 4	2 22	18 45	0 42	2 13	1 54	31 43	10 53	14 4	13 33	13 11		n.a.	T 13
F 14	22 21	0n51	2 50	23 12	0 24	22 11	0 51	12 36	0 46	17 29	0 28	9 4	2 22	18 44	0 42	2 12	1 54	31 42	10 53	14 3	13 34	13 14		n.a.	F 14
S 15	22 12	6 26	3 40	23 24	0 14	22 21	0 48	12 19	0 45	17 29	0 28	9 5	2 22	18 43	0 42	2 12	1 54	31 42	10 53	14 3	13 35	13 17		n.a.	S 15
S 16	22 3	11 45	4 21	23 36	0 5	22 31	0 45	12 3	0 45	17 29	0 27	9 6	2 22	18 42	0 42	2 11	1 54	31 42	10 53	14 3	13 36	13 20		n.a.	S 16
M17	21 53	16 38	4 51	23 47	0s 4	22 40	0 42	11 46	0 44	17 29	0 27	9 7	2 23	18 41	0 42	2 11	1 54	31 41	10 53	14 3	13 38	13 23		n.a.	M17
T 18	21 43	20 55	5 8	23 57	0 12	22 48	0 39	11 29	0 43	17 29	0 27	9 7	2 23	18 40	0 42	2 10	1 54	31 41	10 53	14 3	13 39	13 25		n.a.	T 18
W19	21 32	24 24	5 13	24 6	0 21	22 56	0 36	11 12	0 42	17 29	0 27	9 8	2 23	18 39	0 42	2 10	1 54	31 41	10 53	14 4	13 40	13 28		n.a.	W19
T 20	21 21	26 50	5 2	24 14	0 29	23 3	0 33	10 55	0 42	17 30	0 26	9 9	2 23	18 39	0 42	2 9	1 54	31 40	10 53	14 6	13 41	13 31		n.a.	T 20
F 21	21 10	28 0	4 38	24 20	0 37	23 9	0 30	10 38	0 41	17 30	0 26	9 9	2 23	18 38	0 41	2 9	1 54	31 40	10 53	14 7	13 42	13 34		n.a.	F 21
S 22	20 58	27 42	3 59	24 26	0 44	23 15	0 27	10 21	0 40	17 30	0 26	9 10	2 24	18 37	0 41	2 8	1 54	31 40	10 53	14 9	13 43	13 37		n.a.	S 22
S 23	20 46	25 50	3 6	24 31	0 51	23 20	0 24	10 4	0 39	17 30	0 26	9 10	2 24	18 36	0 41	2 7	1 54	31 39	10 53	14 10	13 44	13 40		n.a.	S 23
M24	20 34	22 29	2 3	24 34	0 58	23 24	0 21	9 47	0 39	17 31	0 26	9 11	2 24	18 35	0 41	2 7	1 54	31 39	10 53	14 11	13 45	13 43		n.a.	M24
T 25	20 21	17 51	0 50	24 36	1 5	23 27	0 18	9 29	0 38	17 31	0 25	9 11	2 24	18 34	0 41	2 6	1 54	31 39	10 53	14 11	13 46	13 46		n.a.	T 25
W26	20 8	12 11	0s26	24 37	1 12	23 30	0 15	9 12	0 37	17 32	0 25	9 12	2 24	18 33	0 41	2 6	1 54	31 38	10 53	14 11	13 47	13 49		n.a.	W26
T 27	19 54	5 51	1 42	24 37	1 18	23 32	0 12	8 54	0 36	17 32	0 25	9 12	2 25	18 32	0 41	2 5	1 54	31 38	10 53	14 11	13 48	13 52		n.a.	T 27
F 28	19 40	0s48	2 52	24 35	1 23	23 34	0 9	8 37	0 36	17 33	0 25	9 12	2 25	18 31	0 41	2 5	1 54	31 38	10 53	14 11	13 49	13 55		n.a.	F 28
S 29	19 26	7 26	3 52	24 31	1 29	23 35	0 6	8 19	0 35	17 34	0 25	9 13	2 25	18 30	0 41	2 4	1 54	31 38	10 53	14 10	13 50	13 58		n.a.	S 29
S 30	19 11	13 41	4 37	24 27	1 34	23 35	0 3	8 2	0 34	17 34	0 24	9 13	2 25	18 29	0 41	2 3	1 54	31 37	10 53	14 10	13 51	14 1		n.a.	S 30
M31	18s56	19s12	5s 6	24s20	1s39	23s34	0s 0	7s44	0s33	17n35	0s24	9s13	2n26	18s28	0s41	2s 3	1s53	31s37	10s54	14s10	13s52	14n 4		n.a.	M31

Julian Day Number = 1564000.5, Delta T = 04h22m14s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'28, Lahiri = - 9°54'28 Julian Calendar 1 Jan. 431 BCE == Greg. Calendar 27 Dec. 432 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

FEBRUARY 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 21 56	7♒19'10	22♏15	18♑ 8	8♑13	12♓32	20♉ 3	29♎40	10♒39	29♓15	27♑23	22°R35	23♒24	25♈15	n.a.	T 1
W 2	8 25 52	8°19'10	6♐17	19°42	9°26	13°16	20° 6	29°41	10°43	29°17	27°25	22♒34	23°21	25°22	n.a.	W 2
T 3	8 29 49	9°19'10	20°10	21°17	10°40	14° 0	20° 8	29°42	10°46	29°18	27°26	22°32	23°18	25°29	n.a.	T 3
F 4	8 33 45	10°19'07	3♑54	22°54	11°54	14°44	20°11	29°42	10°50	29°20	27°28	22°30	23°15	25°35	n.a.	F 4
S 5	8 37 42	11°19'02	17°25	24°31	13° 7	15°27	20°14	29°43	10°53	29°21	27°30	22°29	23°12	25°42	n.a.	S 5
S 6	8 41 38	12°18'56	0♒42	26° 9	14°21	16°11	20°18	29°44	10°56	29°23	27°31	22°28	23° 9	25°49	n.a.	S 6
M 7	8 45 35	13°18'47	13°45	27°49	15°35	16°55	20°21	29°44	11° 0	29°25	27°33	22°27	23° 5	25°56	n.a.	M 7
T 8	8 49 32	14°18'37	26°32	29°30	16°48	17°38	20°25	29°45	11° 3	29°26	27°35	22°D27	23° 2	26° 2	n.a.	T 8
W 9	8 53 28	15°18'24	9♓ 4	1♒12	18° 2	18°22	20°28	29°45	11° 7	29°28	27°36	22°27	22°59	26° 9	n.a.	W 9
T 10	8 57 25	16°18'08	21°23	2°55	19°15	19° 5	20°32	29°45	11°10	29°30	27°38	22°28	22°56	26°16	n.a.	T 10
F 11	9 1 21	17°17'51	3♈29	4°39	20°29	19°49	20°37	29°46	11°14	29°32	27°40	22°28	22°53	26°22	n.a.	F 11
S 12	9 5 18	18°17'31	15°27	6°25	21°43	20°32	20°41	29°R46	11°17	29°33	27°41	22°29	22°50	26°29	n.a.	S 12
S 13	9 9 14	19°17'09	27°20	8°12	22°56	21°16	20°45	29°46	11°20	29°35	27°43	22°29	22°46	26°36	n.a.	S 13
M14	9 13 11	20°16'45	9♉12	9°59	24°10	21°59	20°50	29°45	11°24	29°37	27°44	22°29	22°43	26°43	n.a.	M14
T 15	9 17 7	21°16'18	21° 7	11°49	25°24	22°42	20°55	29°45	11°27	29°39	27°46	22°R30	22°40	26°49	n.a.	T 15
W16	9 21 4	22°15'49	3♊11	13°39	26°37	23°26	21° 0	29°45	11°31	29°41	27°48	22°D30	22°37	26°56	n.a.	W16
T 17	9 25 1	23°15'17	15°28	15°31	27°51	24° 9	21° 5	29°44	11°34	29°43	27°49	22°30	22°34	27° 3	n.a.	T 17
F 18	9 28 57	24°14'43	28° 1	17°24	29° 4	24°52	21°11	29°44	11°37	29°45	27°51	22°30	22°30	27° 9	n.a.	F 18
S 19	9 32 54	25°14'07	10♋55	19°18	0♒18	25°35	21°16	29°43	11°41	29°47	27°52	22°30	22°27	27°16	n.a.	S 19
S 20	9 36 50	26°13'28	24°11	21°13	1°32	26°18	21°22	29°42	11°44	29°48	27°54	22°30	22°24	27°23	n.a.	S 20
M21	9 40 47	27°12'47	7♌50	23°10	2°45	27° 1	21°28	29°42	11°48	29°50	27°55	22°31	22°21	27°29	n.a.	M21
T 22	9 44 43	28°12'04	21°50	25° 8	3°59	27°44	21°34	29°41	11°51	29°52	27°57	22°R31	22°18	27°36	n.a.	T 22
W23	9 48 40	29°11'18	6♍ 9	27° 6	5°13	28°27	21°40	29°40	11°54	29°54	27°58	22°31	22°15	27°43	n.a.	W23
T 24	9 52 36	0♓10'30	20°41	29° 6	6°26	29°10	21°46	29°39	11°57	29°56	28° 0	22°30	22°11	27°50	n.a.	T 24
F 25	9 56 33	1° 9'40	5♎21	1♓ 7	7°40	29°53	21°52	29°37	12° 1	29°58	28° 1	22°29	22° 8	27°56	n.a.	F 25
S 26	10 0 29	2° 8'48	20° 0	3° 9	8°53	0♈35	21°59	29°36	12° 4	0♈ 0	28° 3	22°28	22° 5	28° 3	n.a.	S 26
S 27	10 4 26	3° 7'55	4♏35	5°12	10° 7	1°18	22° 6	29°35	12° 7	0° 3	28° 4	22°27	22° 2	28°10	n.a.	S 27
M28	10 8 23	4♓ 6'59	18♏59	7♓15	11♒21	2♈ 1	22♉13	29♎33	12♒11	0♈ 5	28♑ 6	22♒26	21♒59	28♈16	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s41	23s39	5s16	24s13	1s43	23s32	0s 3	7s27	0s33	17n36	0s24	9s13	2n26	18s27	0s41	2s 2	1s53	31s37	10s54	14s10	13s53	14n 6		n.a.
W 2	18 25	26 40	5 7	24 3	1 47	23 30	0 6	7 9	0 32	17 37	0 24	9 14	2 26	18 26	0 41	2 1	1 53	31 36	10 54	14 10	13 55	14 9		n.a.
T 3	18 9	28 2	4 40	23 52	1 51	23 27	0 9	6 51	0 31	17 38	0 24	9 14	2 26	18 25	0 41	2 1	1 53	31 36	10 54	14 11	13 56	14 12		n.a.
F 4	17 53	27 39	3 57	23 40	1 55	23 24	0 11	6 33	0 31	17 39	0 23	9 14	2 26	18 24	0 41	2 0	1 53	31 36	10 54	14 11	13 57	14 15		n.a.
S 5	17 36	25 36	3 2	23 25	1 58	23 20	0 14	6 16	0 30	17 40	0 23	9 14	2 27	18 23	0 41	1 59	1 53	31 36	10 54	14 12	13 58	14 18		n.a.
S 6	17 20	22 10	1 58	23 9	2 0	23 15	0 17	5 58	0 29	17 41	0 23	9 14	2 27	18 23	0 41	1 58	1 53	31 35	10 54	14 12	13 59	14 21		n.a.
M 7	17 2	17 41	0 48	22 52	2 2	23 9	0 20	5 40	0 28	17 42	0 23	9 14	2 27	18 22	0 41	1 58	1 53	31 35	10 54	14 13	14 0	14 24		n.a.
T 8	16 45	12 29	0n23	22 32	2 4	23 3	0 22	5 22	0 28	17 43	0 23	9 14	2 27	18 21	0 41	1 57	1 53	31 35	10 54	14 13	14 1	14 27		n.a.
W 9	16 27	6 52	1 31	22 11	2 5	22 56	0 25	5 4	0 27	17 44	0 22	9 14	2 27	18 20	0 41	1 56	1 53	31 35	10 55	14 12	14 2	14 29		n.a.
T 10	16 9	1 7	2 34	21 48	2 6	22 48	0 28	4 46	0 26	17 46	0 22	9 14	2 28	18 19	0 41	1 56	1 53	31 34	10 55	14 12	14 3	14 32		n.a.
F 11	15 51	4n35	3 28	21 24	2 7	22 40	0 30	4 28	0 25	17 47	0 22	9 14	2 28	18 18	0 42	1 55	1 53	31 34	10 55	14 12	14 4	14 35		n.a.
S 12	15 33	10 3	4 13	20 57	2 7	22 31	0 33	4 10	0 25	17 48	0 22	9 13	2 28	18 17	0 42	1 54	1 53	31 34	10 55	14 12	14 5	14 38		n.a.
S 13	15 14	15 7	4 47	20 29	2 6	22 21	0 35	3 53	0 24	17 50	0 22	9 13	2 28	18 16	0 42	1 53	1 53	31 34	10 55	14 12	14 6	14 41		n.a.
M14	14 55	19 37	5 9	19 59	2 5	22 11	0 38	3 35	0 23	17 51	0 21	9 13	2 29	18 15	0 42	1 53	1 53	31 34	10 55	14 12	14 7	14 44		n.a.
T 15	14 36	23 22	5 17	19 27	2 4	21 59	0 40	3 17	0 23	17 53	0 21	9 13	2 29	18 14	0 42	1 52	1 53	31 33	10 55	14 12	14 8	14 47		n.a.
W16	14 16	26 9	5 12	18 53	2 2	21 48	0 42	2 59	0 22	17 54	0 21	9 12	2 29	18 13	0 42	1 51	1 53	31 33	10 56	14 12	14 9	14 49		n.a.
T 17	13 57	27 47	4 52	18 18	2 0	21 35	0 45	2 41	0 21	17 56	0 21	9 12	2 29	18 12	0 42	1 50	1 53	31 33	10 56	14 12	14 10	14 52		n.a.
F 18	13 37	28 2	4 18	17 40	1 57	21 22	0 47	2 23	0 21	17 57	0 21	9 12	2 29	18 11	0 42	1 49	1 53	31 33	10 56	14 12	14 11	14 55		n.a.
S 19	13 17	26 48	3 31	17 1	1 53	21 9	0 49	2 5	0 20	17 59	0 20	9 11	2 30	18 10	0 42	1 49	1 53	31 33	10 56	14 12	14 12	14 58		n.a.
S 20	12 56	24 2	2 31	16 20	1 49	20 55	0 51	1 47	0 19	18 1	0 20	9 11	2 30	18 9	0 42	1 48	1 53	31 33	10 56	14 11	14 13	15 1		n.a.
M21	12 36	19 51	1 21	15 37	1 45	20 40	0 53	1 29	0 18	18 2	0 20	9 10	2 30	18 8	0 42	1 47	1 53	31 32	10 56	14 11	14 15	15 4		n.a.
T 22	12 15	14 28	0 4	14 52	1 39	20 24	0 56	1 11	0 18	18 4	0 20	9 10	2 30	18 7	0 42	1 46	1 53	31 32	10 57	14 11	14 16	15 6		n.a.
W23	11 54	8 13	1s15	14 6	1 34	20 8	0 58	0 53	0 17	18 6	0 20	9 9	2 30	18 6	0 42	1 45	1 53	31 32	10 57	14 11	14 17	15 9		n.a.
T 24	11 33	1 27	2 30	13 18	1 27	19 52	1 0	0 35	0 16	18 8	0 19	9 9	2 31	18 6	0 42	1 44	1 53	31 32	10 57	14 12	14 18	15 12		n.a.
F 25	11 12	5s26	3 36	12 28	1 20	19 35	1 1	0 17	0 16	18 10	0 19	9 8	2 31	18 5	0 42	1 44	1 53	31 32	10 57	14 12	14 19	15 15		n.a.
S 26	10 51	12 2	4 27	11 37	1 13	19 17	1 3	0n 1	0 15	18 12	0 19	9 7	2 31	18 4	0 42	1 43	1 52	31 32	10 57	14 12	14 20	15 18		n.a.
S 27	10 29	17 56	5 1	10 44	1 5	18 59	1 5	0 18	0 14	18 13	0 19	9 7	2 31	18 3	0 42	1 42	1 52	31 32	10 58	14 13	14 21	15 20		n.a.
M28	10s 8	22s44	5s16	9s50	0s57	18s40	1s 7	0n36	0s14	18n15	0s19	9s 6	2n31	18s 2	0s42	1s41	1s52	31s31	10s58	14s13	14s22	15n23		n.a.

Julian Day Number = 1564031.5, Delta T = 04h22m13s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'24, Lahiri = - 9°54'24 Julian Calendar 1 Feb. 431 BCE == Greg. Calendar 27 Jan. 431 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

MARCH 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 12 19	5♓ 6'02	3♐ 9	9♓18	12♒34	2♈43	22♉20	29°R32	12♒14	0♈ 7	28♋ 7	22°D26	21♒55	28♈23	n.a.	T 1
W 2	10 16 16	6° 5'03	17° 3	11°22	13°48	3°26	22°27	29♎30	12°17	0° 9	28° 8	22♒26	21°52	28°30	n.a.	W 2
T 3	10 20 12	7° 4'02	0♋41	13°26	15° 2	4° 9	22°34	29°28	12°20	0°11	28°10	22°27	21°49	28°37	n.a.	T 3
F 4	10 24 9	8° 2'59	14° 3	15°30	16°15	4°51	22°42	29°26	12°23	0°13	28°11	22°28	21°46	28°43	n.a.	F 4
S 5	10 28 5	9° 1'54	27°10	17°33	17°29	5°34	22°49	29°24	12°27	0°15	28°13	22°29	21°43	28°50	n.a.	S 5
S 6	10 32 2	10° 0'47	10♒ 4	19°35	18°42	6°16	22°57	29°22	12°30	0°17	28°14	22°30	21°40	28°57	n.a.	S 6
M 7	10 35 58	10°59'39	22°44	21°36	19°56	6°58	23° 5	29°20	12°33	0°19	28°15	22°R31	21°36	29° 3	n.a.	M 7
T 8	10 39 55	11°58'28	5♓13	23°35	21°10	7°41	23°13	29°18	12°36	0°22	28°17	22°30	21°33	29°10	n.a.	T 8
W 9	10 43 52	12°57'15	17°32	25°32	22°23	8°23	23°21	29°16	12°39	0°24	28°18	22°29	21°30	29°17	n.a.	W 9
T 10	10 47 48	13°56'00	29°41	27°27	23°37	9° 5	23°29	29°13	12°42	0°26	28°19	22°26	21°27	29°24	n.a.	T 10
F 11	10 51 45	14°54'43	11♈42	29°20	24°50	9°48	23°38	29°11	12°45	0°28	28°20	22°23	21°24	29°30	n.a.	F 11
S 12	10 55 41	15°53'23	23°38	1♈ 9	26° 4	10°30	23°46	29° 8	12°48	0°30	28°22	22°19	21°21	29°37	n.a.	S 12
S 13	10 59 38	16°52'02	5♉30	2°55	27°18	11°12	23°55	29° 6	12°51	0°32	28°23	22°15	21°17	29°44	n.a.	S 13
M14	11 3 34	17°50'38	17°21	4°38	28°31	11°54	24° 4	29° 3	12°54	0°35	28°24	22°11	21°14	29°50	n.a.	M14
T 15	11 7 31	18°49'12	29°16	6°16	29°45	12°36	24°13	29° 0	12°57	0°37	28°25	22° 8	21°11	29°57	n.a.	T 15
W16	11 11 27	19°47'44	11♊18	7°51	0♓58	13°18	24°22	28°57	13° 0	0°39	28°26	22° 7	21° 8	0♉ 4	n.a.	W16
T 17	11 15 24	20°46'13	23°31	9°21	2°12	14° 0	24°31	28°54	13° 3	0°41	28°28	22°D 6	21° 5	0°11	n.a.	T 17
F 18	11 19 20	21°44'41	6♋ 1	10°47	3°26	14°42	24°40	28°51	13° 6	0°44	28°29	22° 7	21° 1	0°17	n.a.	F 18
S 19	11 23 17	22°43'06	18°51	12° 8	4°39	15°24	24°49	28°48	13° 9	0°46	28°30	22° 9	20°58	0°24	n.a.	S 19
S 20	11 27 14	23°41'28	2♌ 6	13°24	5°53	16° 5	24°59	28°45	13°11	0°48	28°31	22°10	20°55	0°31	n.a.	S 20
M21	11 31 10	24°39'49	15°47	14°35	7° 6	16°47	25° 8	28°42	13°14	0°50	28°32	22°R11	20°52	0°37	n.a.	M21
T 22	11 35 7	25°38'07	29°54	15°41	8°20	17°29	25°18	28°38	13°17	0°53	28°33	22°11	20°49	0°44	n.a.	T 22
W23	11 39 3	26°36'23	14♍26	16°42	9°33	18°10	25°28	28°35	13°20	0°55	28°34	22°10	20°46	0°51	n.a.	W23
T 24	11 43 0	27°34'38	29°17	17°38	10°47	18°52	25°37	28°32	13°22	0°57	28°35	22° 6	20°42	0°58	n.a.	T 24
F 25	11 46 56	28°32'50	14♎20	18°28	12° 1	19°34	25°47	28°28	13°25	0°59	28°36	22° 2	20°39	1° 4	n.a.	F 25
S 26	11 50 53	29°31'00	29°25	19°13	13°14	20°15	25°58	28°25	13°28	1° 2	28°37	21°56	20°36	1°11	n.a.	S 26
S 27	11 54 49	0♈29'09	14♏23	19°52	14°28	20°57	26° 8	28°21	13°30	1° 4	28°38	21°51	20°33	1°18	n.a.	S 27
M28	11 58 46	1°27'17	29° 6	20°26	15°41	21°38	26°18	28°17	13°33	1° 6	28°39	21°46	20°30	1°24	n.a.	M28
T 29	12 2 43	2°25'23	13♐28	20°54	16°55	22°20	26°28	28°14	13°35	1° 8	28°40	21°43	20°27	1°31	n.a.	T 29
W30	12 6 39	3°23'27	27°26	21°17	18° 8	23° 1	26°39	28°10	13°38	1°11	28°41	21°D42	20°23	1°38	n.a.	W30
T 31	12 10 36	4♈21'30	11♋ 1	21♈35	19♓22	23♈42	26♉49	28♎ 6	13♒40	1♈13	28♋42	21♒42	20♒20	1♉45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	9s46	26s 8	5s11	8s55	0s47	18s21	1s 8	0n54	0s13	18n17	0s19	9s 5	2n32	18s 1	0s42	1s40	1s52	31s31	10s58	14s13	14s23	15n26			n.a.
W 2	9 24	27 53	4 48	7 58	0 38	18 1	1 10	1 12	0 12	18 19	0 18	9 5	2 32	18 0	0 42	1 39	1 52	31 31	10 58	14 13	14 24	15 29			n.a.
T 3	9 2	27 54	4 9	7 1	0 28	17 41	1 12	1 30	0 12	18 21	0 18	9 4	2 32	17 59	0 42	1 38	1 52	31 31	10 58	14 13	14 25	15 32			n.a.
F 4	8 40	26 15	3 17	6 3	0 17	17 20	1 13	1 47	0 11	18 24	0 18	9 3	2 32	17 58	0 42	1 38	1 52	31 31	10 59	14 12	14 26	15 34			n.a.
S 5	8 17	23 12	2 15	5 5	0 7	16 59	1 15	2 5	0 10	18 26	0 18	9 2	2 32	17 57	0 42	1 37	1 52	31 31	10 59	14 12	14 27	15 37			n.a.
S 6	7 55	19 3	1 8	4 7	0n 4	16 37	1 16	2 23	0 9	18 28	0 18	9 1	2 32	17 57	0 42	1 36	1 52	31 31	10 59	14 11	14 28	15 40			n.a.
M 7	7 32	14 6	0n 1	3 8	0 16	16 15	1 17	2 40	0 9	18 30	0 18	9 0	2 33	17 56	0 42	1 35	1 52	31 31	10 59	14 11	14 29	15 43			n.a.
T 8	7 10	8 38	1 10	2 10	0 27	15 52	1 18	2 58	0 8	18 32	0 17	8 59	2 33	17 55	0 42	1 34	1 52	31 31	11 0	14 11	14 30	15 45			n.a.
W 9	6 47	2 57	2 14	1 12	0 39	15 29	1 20	3 15	0 7	18 34	0 17	8 58	2 33	17 54	0 42	1 33	1 52	31 31	11 0	14 12	14 31	15 48			n.a.
T 10	6 24	2n47	3 11	0 15	0 51	15 5	1 21	3 33	0 7	18 37	0 17	8 57	2 33	17 53	0 42	1 32	1 52	31 31	11 0	14 13	14 32	15 51			n.a.
F 11	6 1	8 20	3 58	0n41	1 2	14 41	1 22	3 50	0 6	18 39	0 17	8 56	2 33	17 52	0 42	1 31	1 52	31 31	11 0	14 14	14 33	15 54			n.a.
S 12	5 38	13 32	4 35	1 36	1 14	14 17	1 23	4 7	0 5	18 41	0 17	8 55	2 33	17 51	0 42	1 31	1 52	31 31	11 1	14 15	14 34	15 56			n.a.
S 13	5 15	18 14	5 0	2 29	1 25	13 53	1 24	4 25	0 5	18 44	0 17	8 54	2 34	17 50	0 42	1 30	1 52	31 31	11 1	14 17	14 35	15 59			n.a.
M14	4 52	22 13	5 12	3 20	1 36	13 27	1 25	4 42	0 4	18 46	0 16	8 53	2 34	17 50	0 42	1 29	1 52	31 31	11 1	14 18	14 36	16 2			n.a.
T 15	4 29	25 18	5 11	4 9	1 47	13 2	1 25	4 59	0 3	18 48	0 16	8 52	2 34	17 49	0 42	1 28	1 52	31 31	11 1	14 19	14 37	16 5			n.a.
W16	4 5	27 19	4 56	4 56	1 57	12 36	1 26	5 16	0 3	18 51	0 16	8 51	2 34	17 48	0 42	1 27	1 52	31 31	11 2	14 19	14 38	16 7			n.a.
T 17	3 42	28 3	4 28	5 41	2 7	12 10	1 27	5 33	0 2	18 53	0 16	8 50	2 34	17 47	0 42	1 26	1 52	31 31	11 2	14 19	14 39	16 10			n.a.
F 18	3 19	27 22	3 46	6 24	2 16	11 44	1 27	5 50	0 2	18 56	0 16	8 48	2 34	17 46	0 42	1 25	1 52	31 31	11 2	14 19	14 40	16 13			n.a.
S 19	2 56	25 15	2 52	7 4	2 24	11 17	1 28	6 7	0 1	18 58	0 16	8 47	2 34	17 46	0 42	1 24	1 52	31 31	11 2	14 19	14 41	16 16			n.a.
S 20	2 32	21 42	1 48	7 41	2 32	10 50	1 28	6 24	0 0	19 0	0 15	8 46	2 35	17 45	0 42	1 23	1 52	31 31	11 3	14 18	14 42	16 18			n.a.
M21	2 9	16 52	0 35	8 15	2 39	10 23	1 29	6 41	0n 0	19 3	0 15	8 45	2 35	17 44	0 42	1 22	1 52	31 31	11 3	14 18	14 44	16 21			n.a.
T 22	1 45	11 0	0s42	8 47	2 45	9 55	1 29	6 58	0 1	19 5	0 15	8 43	2 35	17 43	0 42	1 21	1 52	31 31	11 3	14 18	14 45	16 24			n.a.
W23	1 22	4 23	1 58	9 15	2 50	9 28	1 29	7 15	0 2	19 8	0 15	8 42	2 35	17 42	0 42	1 21	1 52	31 31	11 3	14 18	14 46	16 26			n.a.
T 24	0 59	2s35	3 8	9 41	2 54	9 0	1 29	7 31	0 2	19 10	0 15	8 41	2 35	17 42	0 42	1 20	1 52	31 31	11 4	14 19	14 47	16 29			n.a.
F 25	0 35	9 30	4 6	10 3	2 58	8 31	1 29	7 48	0 3	19 13	0 15	8 39	2 35	17 41	0 42	1 19	1 52	31 31	11 4	14 21	14 48	16 32			n.a.
S 26	0 12	15 52	4 47	10 23	3 0	8 3	1 30	8 4	0 4	19 16	0 15	8 38	2 35	17 40	0 42	1 18	1 52	31 31	11 4	14 23	14 49	16 34			n.a.
S 27	0n12	21 15	5 8	10 39	3 1	7 34	1 29	8 21	0 4	19 18	0 14	8 37	2 35	17 40	0 42	1 17	1 52	31 31	11 5	14 24	14 50	16 37			n.a.
M28	0 35	25 13	5 8	10 52	3 1	7 5	1 29	8 37	0 5	19 21	0 14	8 35	2 35	17 39	0 42	1 16	1 52	31 31	11 5	14 26	14 51	16 40			n.a.
T 29	0 59	27 29	4 48	11 2	3 0	6 36	1 29	8 53	0 5	19 23	0 14	8 34	2 36	17 38	0 42	1 15	1 52	31 31	11 5	14 27	14 52	16 42			n.a.
W30	1 22	27 55	4 12	11 9	2 58	6 7	1 29	9 9	0 6	19 26	0 14	8 32	2 36	17 37	0 42	1 14	1 52	31 31	11 5	14 27	14 53	16 45			n.a.
T 31	1n45	26s39	3s23	11n12	2n54	5s37	1s29	9n25	0n 7	19n28	0s14	8s31	2n36	17s37	0s42	1s13	1s52	31s31	11s 6	14s27	14s54	16n48			n.a.

Julian Day Number = 1564059.5, Delta T = 04h22m12s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'20, Lahiri = - 9°54'20 Julian Calendar 1 March 431 BCE == Greg. Calendar 24 Feb. 431 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

APRIL 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 14 32	5♈19'32	24♑14	21♈47	20♓35	24♈24	27♉ 0	28°R 2	13♒43	1♈15	28♑43	21♒43	20♒17	1♉51	n.a.	F 1
S 2	12 18 29	6°17'32	7♒ 7	21°53	21°49	25° 5	27°11	27♎58	13°45	1°17	28°43	21°44	20°14	1°58	n.a.	S 2
S 3	12 22 25	7°15'30	19°44	21°R54	23° 3	25°46	27°21	27°54	13°48	1°20	28°44	21°R45	20°11	2° 5	n.a.	S 3
M 4	12 26 22	8°13'27	2♓ 8	21°51	24°16	26°27	27°32	27°50	13°50	1°22	28°45	21°44	20° 7	2°11	n.a.	M 4
T 5	12 30 18	9°11'22	14°21	21°42	25°30	27° 8	27°43	27°46	13°52	1°24	28°46	21°42	20° 4	2°18	n.a.	T 5
W 6	12 34 15	10° 9'16	26°27	21°28	26°43	27°49	27°54	27°42	13°54	1°26	28°46	21°37	20° 1	2°25	n.a.	W 6
T 7	12 38 12	11° 7'08	8♈27	21°11	27°57	28°30	28° 5	27°38	13°57	1°29	28°47	21°30	19°58	2°32	n.a.	T 7
F 8	12 42 8	12° 4'59	20°22	20°49	29°10	29°11	28°17	27°34	13°59	1°31	28°48	21°22	19°55	2°38	n.a.	F 8
S 9	12 46 5	13° 2'48	2♉15	20°24	0♈24	29°52	28°28	27°30	14° 1	1°33	28°48	21°12	19°52	2°45	n.a.	S 9
S 10	12 50 1	14° 0'35	14° 6	19°55	1°37	0♉33	28°39	27°26	14° 3	1°35	28°49	21° 2	19°48	2°52	n.a.	S 10
M11	12 53 58	14°58'21	25°59	19°24	2°51	1°14	28°51	27°21	14° 5	1°37	28°50	20°52	19°45	2°58	n.a.	M11
T 12	12 57 54	15°56'05	7♊54	18°51	4° 4	1°55	29° 2	27°17	14° 7	1°40	28°50	20°45	19°42	3° 5	n.a.	T 12
W13	13 1 51	16°53'48	19°56	18°16	5°18	2°36	29°14	27°13	14° 9	1°42	28°51	20°39	19°39	3°12	n.a.	W13
T 14	13 5 47	17°51'29	2♋ 8	17°41	6°32	3°17	29°25	27° 8	14°11	1°44	28°51	20°36	19°36	3°19	n.a.	T 14
F 15	13 9 44	18°49'08	14°35	17° 6	7°45	3°57	29°37	27° 4	14°13	1°46	28°52	20°D34	19°32	3°25	n.a.	F 15
S 16	13 13 41	19°46'45	27°20	16°31	8°59	4°38	29°49	27° 0	14°15	1°48	28°52	20°34	19°29	3°32	n.a.	S 16
S 17	13 17 37	20°44'21	10♌29	15°57	10°12	5°19	0♊ 1	26°55	14°17	1°51	28°53	20°35	19°26	3°39	n.a.	S 17
M18	13 21 34	21°41'55	24° 4	15°24	11°26	5°59	0°13	26°51	14°19	1°53	28°53	20°R35	19°23	3°46	n.a.	M18
T 19	13 25 30	22°39'28	8♍ 7	14°54	12°39	6°40	0°25	26°47	14°20	1°55	28°54	20°34	19°20	3°52	n.a.	T 19
W20	13 29 27	23°36'59	22°39	14°26	13°53	7°20	0°37	26°42	14°22	1°57	28°54	20°31	19°17	3°59	n.a.	W20
T 21	13 33 23	24°34'28	7♎34	14° 1	15° 6	8° 1	0°49	26°38	14°24	1°59	28°54	20°25	19°13	4° 6	n.a.	T 21
F 22	13 37 20	25°31'56	22°47	13°40	16°20	8°41	1° 1	26°33	14°25	2° 1	28°55	20°17	19°10	4°12	n.a.	F 22
S 23	13 41 16	26°29'23	8♏ 6	13°23	17°33	9°22	1°13	26°29	14°27	2° 3	28°55	20° 8	19° 7	4°19	n.a.	S 23
S 24	13 45 13	27°26'49	23°20	13° 9	18°47	10° 2	1°25	26°25	14°28	2° 5	28°55	19°58	19° 4	4°26	n.a.	S 24
M25	13 49 9	28°24'14	8♐19	13° 0	20° 0	10°43	1°38	26°20	14°30	2° 8	28°56	19°50	19° 1	4°33	n.a.	M25
T 26	13 53 6	29°21'38	22°55	12°55	21°14	11°23	1°50	26°16	14°31	2°10	28°56	19°43	18°58	4°39	n.a.	T 26
W27	13 57 3	0♑19'02	7♑ 3	12°D54	22°27	12° 3	2° 3	26°11	14°33	2°12	28°56	19°39	18°54	4°46	n.a.	W27
T 28	14 0 59	1°16'24	20°43	12°58	23°41	12°43	2°15	26° 7	14°34	2°14	28°56	19°37	18°51	4°53	n.a.	T 28
F 29	14 4 56	2°13'46	3♒55	13° 7	24°55	13°24	2°28	26° 2	14°35	2°16	28°57	19°D36	18°48	4°59	n.a.	F 29
S 30	14 8 52	3♉11'07	16♒44	13♈20	26♈ 8	14♉ 4	2♊40	25♎58	14♒37	2♈18	28♑57	19°R37	18♒45	5♉ 6	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n 9	23s54	2s23	11n13	2n50	5s 8	1s28	9n41	0n 7	19n31	0s14	8s29	2n36	17s36	0s42	1s12	1s52	31s31	11s 6	14s27	14s55	16n50		n.a.
S 2	2 32	20 0	1 18	11 10	2 44	4 38	1 28	9 57	0 8	19 34	0 14	8 28	2 36	17 35	0 42	1 11	1 52	31 32	11 6	14 27	14 56	16 53		n.a.
S 3	2 55	15 16	0 11	11 4	2 37	4 8	1 28	10 13	0 8	19 36	0 13	8 26	2 36	17 35	0 42	1 11	1 52	31 32	11 7	14 26	14 57	16 56		n.a.
M 4	3 18	9 59	0n56	10 54	2 28	3 38	1 27	10 29	0 9	19 39	0 13	8 25	2 36	17 34	0 42	1 10	1 52	31 32	11 7	14 26	14 58	16 58		n.a.
T 5	3 41	4 25	1 59	10 42	2 19	3 8	1 26	10 44	0 10	19 42	0 13	8 23	2 36	17 33	0 43	1 9	1 52	31 32	11 7	14 27	14 59	17 1		n.a.
W 6	4 4	1n15	2 56	10 27	2 8	2 38	1 26	11 0	0 10	19 44	0 13	8 22	2 36	17 33	0 43	1 8	1 52	31 32	11 8	14 29	15 0	17 4		n.a.
T 7	4 27	6 49	3 44	10 9	1 56	2 7	1 25	11 15	0 11	19 47	0 13	8 20	2 36	17 32	0 43	1 7	1 52	31 32	11 8	14 31	15 1	17 6		n.a.
F 8	4 50	12 6	4 22	9 49	1 43	1 37	1 24	11 30	0 11	19 50	0 13	8 19	2 36	17 32	0 43	1 6	1 52	31 32	11 8	14 34	15 2	17 9		n.a.
S 9	5 13	16 55	4 49	9 27	1 29	1 7	1 23	11 46	0 12	19 52	0 13	8 17	2 36	17 31	0 43	1 5	1 52	31 33	11 9	14 37	15 3	17 11		n.a.
S 10	5 36	21 5	5 3	9 2	1 15	0 36	1 22	12 1	0 13	19 55	0 13	8 16	2 36	17 30	0 43	1 4	1 52	31 33	11 9	14 40	15 4	17 14		n.a.
M11	5 58	24 25	5 4	8 36	0 59	0 6	1 21	12 16	0 13	19 58	0 12	8 14	2 36	17 30	0 43	1 3	1 52	31 33	11 9	14 43	15 5	17 17		n.a.
T 12	6 21	26 42	4 52	8 8	0 43	0n25	1 20	12 31	0 14	20 0	0 12	8 13	2 36	17 29	0 43	1 3	1 52	31 33	11 10	14 46	15 6	17 19		n.a.
W13	6 43	27 48	4 27	7 40	0 26	0 55	1 19	12 45	0 14	20 3	0 12	8 11	2 36	17 29	0 43	1 2	1 52	31 33	11 10	14 48	15 7	17 22		n.a.
T 14	7 6	27 33	3 49	7 10	0 9	1 26	1 18	13 0	0 15	20 6	0 12	8 9	2 36	17 28	0 43	1 1	1 52	31 33	11 10	14 49	15 8	17 24		n.a.
F 15	7 28	25 55	3 0	6 41	0s 8	1 56	1 17	13 15	0 16	20 8	0 12	8 8	2 36	17 28	0 43	1 0	1 52	31 34	11 11	14 49	15 9	17 27		n.a.
S 16	7 50	22 56	2 1	6 11	0 25	2 27	1 16	13 29	0 16	20 11	0 12	8 6	2 36	17 27	0 43	0 59	1 52	31 34	11 11	14 49	15 10	17 30		n.a.
S 17	8 12	18 42	0 54	5 42	0 42	2 57	1 15	13 43	0 17	20 14	0 12	8 5	2 36	17 27	0 43	0 58	1 52	31 34	11 11	14 49	15 11	17 32		n.a.
M18	8 34	13 23	0s19	5 14	0 59	3 27	1 13	13 58	0 17	20 16	0 11	8 3	2 36	17 26	0 43	0 57	1 52	31 34	11 11	14 49	15 12	17 35		n.a.
T 19	8 56	7 13	1 32	4 48	1 15	3 58	1 12	14 12	0 18	20 19	0 11	8 2	2 36	17 26	0 43	0 57	1 52	31 35	11 12	14 49	15 13	17 37		n.a.
W20	9 17	0 29	2 42	4 23	1 30	4 28	1 10	14 26	0 18	20 22	0 11	8 0	2 36	17 25	0 43	0 56	1 52	31 35	11 12	14 50	15 14	17 40		n.a.
T 21	9 39	6s27	3 43	3 59	1 45	4 58	1 9	14 40	0 19	20 24	0 11	7 58	2 36	17 25	0 43	0 55	1 52	31 35	11 12	14 52	15 15	17 43		n.a.
F 22	10 0	13 7	4 29	3 38	2 0	5 28	1 7	14 53	0 20	20 27	0 11	7 57	2 36	17 24	0 43	0 54	1 52	31 35	11 13	14 55	15 16	17 45		n.a.
S 23	10 21	19 3	4 56	3 19	2 13	5 58	1 6	15 7	0 20	20 30	0 11	7 55	2 36	17 24	0 43	0 53	1 52	31 36	11 13	14 58	15 17	17 48		n.a.
S 24	10 42	23 43	5 2	3 2	2 25	6 28	1 4	15 20	0 21	20 32	0 11	7 54	2 36	17 23	0 43	0 52	1 53	31 36	11 13	15 1	15 18	17 50		n.a.
M25	11 3	26 42	4 47	2 48	2 36	6 58	1 2	15 34	0 21	20 35	0 11	7 52	2 36	17 23	0 43	0 52	1 53	31 36	11 14	15 4	15 19	17 53		n.a.
T 26	11 23	27 47	4 14	2 37	2 47	7 27	1 1	15 47	0 22	20 38	0 10	7 51	2 36	17 23	0 43	0 51	1 53	31 36	11 14	15 6	15 20	17 55		n.a.
W27	11 44	26 59	3 26	2 28	2 56	7 56	0 59	16 0	0 22	20 40	0 10	7 49	2 36	17 22	0 43	0 50	1 53	31 37	11 14	15 7	15 21	17 58		n.a.
T 28	12 4	24 33	2 27	2 22	3 4	8 26	0 57	16 13	0 23	20 43	0 10	7 47	2 36	17 22	0 43	0 49	1 53	31 37	11 15	15 8	15 22	18 0		n.a.
F 29	12 24	20 51	1 22	2 18	3 11	8 55	0 55	16 26	0 23	20 45	0 10	7 46	2 36	17 21	0 43	0 48	1 53	31 37	11 15	15 8	15 23	18 3		n.a.
S 30	12n44	16s16	0s15	2n18	3s18	9n23	0s53	16n39	0n24	20n48	0s10	7s44	2n36	17s21	0s43	0s48	1s53	31s37	11s15	15s 8	15s24	18n 5		n.a.

Julian Day Number = 1564090.5, Delta T = 04h22m10s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'16, Lahiri = - 9°54'16 Julian Calendar 1 Apr. 431 BCE == Greg. Calendar 27 March 431 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

MAY 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 12 49	4♉ 8'27	29♒14	13♈37	27♈22	14♉44	2♊53	25°R54	14♒38	2♈20	28♑57	19°R36	18♒42	5♉13	n.a.	S 1
M 2	14 16 45	5° 5'47	11♓30	13°59	28°35	15°24	3° 5	25♎49	14°39	2°22	28°57	19♒35	18°38	5°20	n.a.	M 2
T 3	14 20 42	6° 3'05	23°34	14°25	29°49	16° 4	3°18	25°45	14°40	2°24	28°57	19°30	18°35	5°26	n.a.	T 3
W 4	14 24 39	7° 0'23	5♈32	14°56	1♉ 2	16°44	3°31	25°41	14°41	2°26	28°57	19°23	18°32	5°33	n.a.	W 4
T 5	14 28 35	7°57'41	17°25	15°30	2°16	17°24	3°44	25°36	14°42	2°28	28°R57	19°14	18°29	5°40	n.a.	T 5
F 6	14 32 32	8°54'57	29°17	16° 9	3°29	18° 4	3°56	25°32	14°43	2°29	28°57	19° 1	18°26	5°46	n.a.	F 6
S 7	14 36 28	9°52'13	11♉ 9	16°52	4°43	18°44	4° 9	25°28	14°44	2°31	28°57	18°48	18°23	5°53	n.a.	S 7
S 8	14 40 25	10°49'28	23° 2	17°38	5°57	19°24	4°22	25°24	14°45	2°33	28°57	18°34	18°19	6° 0	n.a.	S 8
M 9	14 44 21	11°46'43	4♊57	18°29	7°10	20° 4	4°35	25°20	14°46	2°35	28°57	18°21	18°16	6° 7	n.a.	M 9
T 10	14 48 18	12°43'57	16°58	19°23	8°24	20°44	4°48	25°16	14°47	2°37	28°57	18°10	18°13	6°13	n.a.	T 10
W11	14 52 14	13°41'10	29° 4	20°20	9°37	21°24	5° 1	25°11	14°47	2°39	28°57	18° 1	18°10	6°20	n.a.	W11
T 12	14 56 11	14°38'22	11♋20	21°22	10°51	22° 3	5°14	25° 7	14°48	2°41	28°56	17°56	18° 7	6°27	n.a.	T 12
F 13	15 0 8	15°35'33	23°48	22°27	12° 5	22°43	5°27	25° 3	14°49	2°42	28°56	17°53	18° 4	6°34	n.a.	F 13
S 14	15 4 4	16°32'44	6♌33	23°35	13°18	23°23	5°40	24°59	14°49	2°44	28°56	17°51	18° 0	6°40	n.a.	S 14
S 15	15 8 1	17°29'53	19°37	24°47	14°32	24° 2	5°54	24°55	14°50	2°46	28°56	17°51	17°57	6°47	n.a.	S 15
M16	15 11 57	18°27'02	3♍ 6	26° 2	15°45	24°42	6° 7	24°52	14°50	2°47	28°56	17°51	17°54	6°54	n.a.	M16
T 17	15 15 54	19°24'10	17° 0	27°20	16°59	25°22	6°20	24°48	14°51	2°49	28°55	17°49	17°51	7° 0	n.a.	T 17
W18	15 19 50	20°21'17	1♎22	28°42	18°13	26° 1	6°33	24°44	14°51	2°51	28°55	17°45	17°48	7° 7	n.a.	W18
T 19	15 23 47	21°18'24	16° 9	0♉ 7	19°26	26°41	6°46	24°40	14°52	2°52	28°55	17°39	17°44	7°14	n.a.	T 19
F 20	15 27 43	22°15'30	1♏15	1°35	20°40	27°20	7° 0	24°37	14°52	2°54	28°54	17°30	17°41	7°21	n.a.	F 20
S 21	15 31 40	23°12'36	16°31	3° 6	21°54	28° 0	7°13	24°33	14°52	2°56	28°54	17°20	17°38	7°27	n.a.	S 21
S 22	15 35 37	24° 9'41	1♐47	4°40	23° 7	28°39	7°26	24°29	14°52	2°57	28°54	17° 9	17°35	7°34	n.a.	S 22
M23	15 39 33	25° 6'47	16°51	6°18	24°21	29°19	7°39	24°26	14°52	2°59	28°53	17° 0	17°32	7°41	n.a.	M23
T 24	15 43 30	26° 3'52	1♑34	7°58	25°35	29°58	7°53	24°23	14°53	3° 0	28°53	16°52	17°29	7°47	n.a.	T 24
W25	15 47 26	27° 0'57	15°50	9°42	26°48	0♊38	8° 6	24°19	14°53	3° 2	28°52	16°47	17°25	7°54	n.a.	W25
T 26	15 51 23	27°58'02	29°36	11°28	28° 2	1°17	8°19	24°16	14°R53	3° 3	28°52	16°44	17°22	8° 1	n.a.	T 26
F 27	15 55 19	28°55'08	12♒54	13°18	29°16	1°56	8°33	24°13	14°53	3° 5	28°51	16°D43	17°19	8° 8	n.a.	F 27
S 28	15 59 16	29°52'13	25°46	15°10	0♊29	2°36	8°46	24° 9	14°53	3° 6	28°51	16°R43	17°16	8°14	n.a.	S 28
S 29	16 3 13	0♊49'19	8♓16	17° 4	1°43	3°15	9° 0	24° 6	14°52	3° 8	28°50	16°43	17°13	8°21	n.a.	S 29
M30	16 7 9	1°46'25	20°30	19° 2	2°57	3°54	9°13	24° 3	14°52	3° 9	28°50	16°42	17°10	8°28	n.a.	M30
T 31	16 11 6	2♊43'31	2♈32	21♉ 1	4♊10	4♊33	9♊26	24♎ 0	14♒52	3♈10	28♑49	16♒38	17♒ 6	8♉35	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	13n 4	11s 6	0n51	2n20	3s23	9n52	0s51	16n51	0n24	20n51	0s10	7s43	2n36	17s21	0s43	0s47	1s53	31s38	11s16	15s 8	15s25	18n 8			n.a.
M 2	13 23	5 36	1 53	2 25	3 27	10 21	0 49	17 4	0 25	20 53	0 10	7 41	2 36	17 21	0 43	0 46	1 53	31 38	11 16	15 8	15 26	18 10			n.a.
T 3	13 43	0n 0	2 49	2 32	3 30	10 49	0 47	17 16	0 26	20 56	0 10	7 40	2 36	17 20	0 44	0 45	1 53	31 38	11 16	15 10	15 27	18 13			n.a.
W 4	14 2	5 33	3 37	2 42	3 32	11 17	0 45	17 28	0 26	20 58	0 10	7 38	2 36	17 20	0 44	0 45	1 53	31 39	11 17	15 12	15 28	18 15			n.a.
T 5	14 21	10 51	4 16	2 55	3 33	11 44	0 43	17 40	0 27	21 1	0 9	7 37	2 36	17 20	0 44	0 44	1 53	31 39	11 17	15 15	15 29	18 18			n.a.
F 6	14 39	15 45	4 42	3 9	3 33	12 12	0 41	17 52	0 27	21 4	0 9	7 35	2 35	17 19	0 44	0 43	1 53	31 39	11 17	15 19	15 30	18 20			n.a.
S 7	14 58	20 4	4 57	3 26	3 33	12 39	0 39	18 4	0 28	21 6	0 9	7 34	2 35	17 19	0 44	0 42	1 53	31 40	11 18	15 23	15 31	18 23			n.a.
S 8	15 16	23 35	4 59	3 46	3 31	13 6	0 37	18 15	0 28	21 9	0 9	7 32	2 35	17 19	0 44	0 42	1 53	31 40	11 18	15 27	15 32	18 25			n.a.
M 9	15 34	26 6	4 47	4 7	3 29	13 32	0 35	18 27	0 29	21 11	0 9	7 31	2 35	17 19	0 44	0 41	1 53	31 40	11 18	15 31	15 33	18 28			n.a.
T 10	15 52	27 28	4 23	4 31	3 26	13 58	0 33	18 38	0 29	21 14	0 9	7 30	2 35	17 19	0 44	0 40	1 53	31 41	11 19	15 35	15 34	18 30			n.a.
W11	16 9	27 32	3 47	4 56	3 22	14 24	0 30	18 49	0 30	21 16	0 9	7 28	2 35	17 18	0 44	0 40	1 53	31 41	11 19	15 38	15 35	18 33			n.a.
T 12	16 26	26 15	3 0	5 23	3 17	14 50	0 28	19 0	0 30	21 19	0 9	7 27	2 35	17 18	0 44	0 39	1 53	31 41	11 19	15 39	15 36	18 35			n.a.
F 13	16 43	23 39	2 3	5 53	3 12	15 15	0 26	19 11	0 31	21 21	0 8	7 26	2 35	17 18	0 44	0 38	1 53	31 42	11 20	15 40	15 37	18 38			n.a.
S 14	17 0	19 50	0 59	6 23	3 6	15 40	0 24	19 22	0 31	21 24	0 8	7 24	2 34	17 18	0 44	0 38	1 53	31 42	11 20	15 41	15 38	18 40			n.a.
S 15	17 16	14 59	0s 9	6 56	3 0	16 4	0 21	19 32	0 32	21 26	0 8	7 23	2 34	17 18	0 44	0 37	1 53	31 42	11 20	15 41	15 39	18 43			n.a.
M16	17 32	9 16	1 20	7 30	2 53	16 28	0 19	19 43	0 32	21 28	0 8	7 22	2 34	17 18	0 44	0 36	1 53	31 43	11 21	15 41	15 40	18 45			n.a.
T 17	17 48	2 56	2 27	8 6	2 45	16 52	0 17	19 53	0 33	21 31	0 8	7 20	2 34	17 18	0 44	0 36	1 53	31 43	11 21	15 41	15 41	18 47			n.a.
W18	18 4	3s43	3 28	8 43	2 37	17 15	0 14	20 3	0 33	21 33	0 8	7 19	2 34	17 17	0 44	0 35	1 53	31 44	11 21	15 43	15 42	18 50			n.a.
T 19	18 19	10 22	4 17	9 21	2 28	17 37	0 12	20 13	0 34	21 36	0 8	7 18	2 34	17 17	0 44	0 34	1 54	31 44	11 22	15 45	15 43	18 52			n.a.
F 20	18 34	16 33	4 48	10 1	2 19	18 0	0 10	20 22	0 34	21 38	0 8	7 17	2 34	17 17	0 44	0 34	1 54	31 44	11 22	15 47	15 44	18 55			n.a.
S 21	18 49	21 47	5 0	10 41	2 9	18 21	0 7	20 32	0 35	21 40	0 8	7 15	2 33	17 17	0 44	0 33	1 54	31 45	11 22	15 50	15 45	18 57			n.a.
S 22	19 3	25 32	4 51	11 23	1 59	18 43	0 5	20 41	0 35	21 43	0 8	7 14	2 33	17 17	0 44	0 33	1 54	31 45	11 23	15 54	15 46	18 59			n.a.
M23	19 17	27 25	4 21	12 5	1 49	19 4	0 3	20 51	0 36	21 45	0 7	7 13	2 33	17 17	0 44	0 32	1 54	31 46	11 23	15 57	15 47	19 2			n.a.
T 24	19 31	27 19	3 34	12 48	1 38	19 24	0 0	21 0	0 36	21 47	0 7	7 12	2 33	17 17	0 44	0 32	1 54	31 46	11 23	15 59	15 48	19 4			n.a.
W25	19 45	25 22	2 35	13 32	1 27	19 44	0n 2	21 9	0 37	21 49	0 7	7 11	2 33	17 17	0 44	0 31	1 54	31 46	11 24	16 1	15 49	19 7			n.a.
T 26	19 58	21 57	1 29	14 16	1 15	20 3	0 5	21 17	0 37	21 52	0 7	7 10	2 33	17 17	0 44	0 30	1 54	31 47	11 24	16 1	15 50	19 9			n.a.
F 27	20 11	17 29	0 20	15 1	1 4	20 22	0 7	21 26	0 38	21 54	0 7	7 9	2 32	17 17	0 44	0 30	1 54	31 47	11 24	16 2	15 51	19 11			n.a.
S 28	20 23	12 21	0n48	15 45	0 52	20 40	0 9	21 34	0 38	21 56	0 7	7 8	2 32	17 17	0 45	0 29	1 54	31 48	11 25	16 2	15 52	19 14			n.a.
S 29	20 35	6 51	1 52	16 30	0 41	20 58	0 12	21 42	0 39	21 58	0 7	7 7	2 32	17 17	0 45	0 29	1 54	31 48	11 25	16 2	15 53	19 16			n.a.
M30	20 47	1 14	2 49	17 14	0 29	21 15	0 14	21 50	0 39	22 1	0 7	7 6	2 32	17 18	0 45	0 28	1 54	31 48	11 25	16 2	15 54	19 19			n.a.
T 31	20n58	4n20	3n37	17n58	0s18	21n31	0n16	21n58	0n39	22n 3	0s 7	7s 5	2n32	17s18	0s45	0s28	1s54	31s49	11s25	16s 3	15s55	19n21			n.a.

Julian Day Number = 1564120.5, Delta T = 04h22m09s
Ecliptic obliquity = 23°44'58, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'12, Lahiri = - 9°54'12 Julian Calendar 1 May 431 BCE == Greg. Calendar 26 Apr. 431 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

JUNE 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 15 2	3♊40'37	14♈27	23♉ 3	5♊24	5♊13	9♊40	23°R57	14°R52	3♈12	28°R48	16°R32	17♒ 3	8♉41	n.a.	W 1
T 2	16 18 59	4°37'44	26°18	25° 7	6°38	5°52	9°53	23♎55	14♒51	3°13	28♑48	16♒23	17° 0	8°48	n.a.	T 2
F 3	16 22 55	5°34'51	8♉ 9	27°12	7°52	6°31	10° 7	23°52	14°51	3°14	28°47	16°13	16°57	8°55	n.a.	F 3
S 4	16 26 52	6°31'59	20° 2	29°19	9° 5	7°10	10°20	23°49	14°51	3°16	28°46	16° 0	16°54	9° 1	n.a.	S 4
S 5	16 30 48	7°29'06	1♊59	1♊27	10°19	7°49	10°34	23°46	14°50	3°17	28°46	15°48	16°50	9° 8	n.a.	S 5
M 6	16 34 45	8°26'14	14° 2	3°35	11°33	8°28	10°47	23°44	14°50	3°18	28°45	15°36	16°47	9°15	n.a.	M 6
T 7	16 38 42	9°23'22	26°11	5°44	12°47	9° 7	11° 1	23°42	14°49	3°19	28°44	15°26	16°44	9°22	n.a.	T 7
W 8	16 42 38	10°20'31	8♋28	7°54	14° 1	9°46	11°14	23°39	14°49	3°20	28°44	15°18	16°41	9°28	n.a.	W 8
T 9	16 46 35	11°17'39	20°55	10° 3	15°14	10°25	11°28	23°37	14°48	3°21	28°43	15°13	16°38	9°35	n.a.	T 9
F 10	16 50 31	12°14'48	3♌32	12°13	16°28	11° 4	11°41	23°35	14°47	3°22	28°42	15°10	16°35	9°42	n.a.	F 10
S 11	16 54 28	13°11'57	16°24	14°21	17°42	11°43	11°55	23°33	14°47	3°23	28°41	15°D10	16°31	9°48	n.a.	S 11
S 12	16 58 24	14° 9'06	29°31	16°29	18°56	12°22	12° 8	23°31	14°46	3°24	28°40	15°10	16°28	9°55	n.a.	S 12
M13	17 2 21	15° 6'15	12♍58	18°36	20°10	13° 1	12°22	23°29	14°45	3°25	28°39	15°R11	16°25	10° 2	n.a.	M13
T 14	17 6 17	16° 3'24	26°47	20°42	21°23	13°40	12°35	23°27	14°44	3°26	28°39	15°10	16°22	10° 9	n.a.	T 14
W15	17 10 14	17° 0'34	10♎57	22°46	22°37	14°19	12°48	23°25	14°43	3°27	28°38	15° 8	16°19	10°15	n.a.	W15
T 16	17 14 11	17°57'44	25°29	24°49	23°51	14°58	13° 2	23°23	14°42	3°28	28°37	15° 4	16°16	10°22	n.a.	T 16
F 17	17 18 7	18°54'54	10♏18	26°51	25° 5	15°37	13°15	23°22	14°41	3°29	28°36	14°57	16°12	10°29	n.a.	F 17
S 18	17 22 4	19°52'04	25°17	28°51	26°19	16°15	13°29	23°20	14°40	3°30	28°35	14°50	16° 9	10°36	n.a.	S 18
S 19	17 26 0	20°49'16	10♐19	0♋50	27°33	16°54	13°42	23°19	14°39	3°31	28°34	14°42	16° 6	10°42	n.a.	S 19
M20	17 29 57	21°46'27	25°12	2°47	28°47	17°33	13°55	23°18	14°38	3°31	28°33	14°34	16° 3	10°49	n.a.	M20
T 21	17 33 53	22°43'40	9♑50	4°42	0♋ 1	18°12	14° 9	23°16	14°37	3°32	28°32	14°28	16° 0	10°56	n.a.	T 21
W22	17 37 50	23°40'53	24° 4	6°35	1°14	18°50	14°22	23°15	14°36	3°33	28°31	14°24	15°56	11° 2	n.a.	W22
T 23	17 41 47	24°38'08	7♒52	8°27	2°28	19°29	14°36	23°14	14°34	3°34	28°30	14°23	15°53	11° 9	n.a.	T 23
F 24	17 45 43	25°35'23	21°14	10°17	3°42	20° 8	14°49	23°13	14°33	3°34	28°29	14°D23	15°50	11°16	n.a.	F 24
S 25	17 49 40	26°32'39	4♓ 9	12° 6	4°56	20°46	15° 2	23°12	14°32	3°35	28°28	14°24	15°47	11°23	n.a.	S 25
S 26	17 53 36	27°29'57	16°43	13°52	6°10	21°25	15°16	23°12	14°30	3°35	28°27	14°25	15°44	11°29	n.a.	S 26
M27	17 57 33	28°27'15	28°59	15°37	7°24	22° 4	15°29	23°11	14°29	3°36	28°26	14°R25	15°41	11°36	n.a.	M27
T 28	18 1 29	29°24'35	11♈ 2	17°21	8°38	22°42	15°42	23°10	14°27	3°36	28°25	14°25	15°37	11°43	n.a.	T 28
W29	18 5 26	0♋21'56	22°58	19° 2	9°52	23°21	15°55	23°10	14°26	3°37	28°24	14°22	15°34	11°50	n.a.	W29
T 30	18 9 22	1♋19'18	4♉50	20♋42	11♋ 6	23♊59	16♊ 9	23♎ 9	14♒24	3♈37	28♑22	14♒18	15♒31	11♉56	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n10	9n41	4n16	18n40	0s 6	21n47	0n19	22n 6	0n40	22n 5	0s 6	7s 4	2n31	17s18	0s45	0s27	1s54	31s49	11s26	16s 5	15s56	19n23		n.a.
T 2	21 20	14 40	4 43	19 22	0n 5	22 2	0 21	22 14	0 40	22 7	0 6	7 3	2 31	17 18	0 45	0 27	1 54	31 50	11 26	16 8	15 57	19 26		n.a.
F 3	21 31	19 6	4 58	20 2	0 16	22 17	0 23	22 21	0 41	22 9	0 6	7 3	2 31	17 18	0 45	0 26	1 54	31 50	11 26	16 11	15 57	19 28		n.a.
S 4	21 41	22 48	5 1	20 41	0 26	22 31	0 25	22 28	0 41	22 11	0 6	7 2	2 31	17 18	0 45	0 26	1 54	31 50	11 27	16 15	15 58	19 30		n.a.
S 5	21 50	25 33	4 50	21 18	0 36	22 45	0 28	22 35	0 42	22 13	0 6	7 1	2 31	17 18	0 45	0 26	1 54	31 51	11 27	16 18	15 59	19 33		n.a.
M 6	22 0	27 10	4 26	21 54	0 46	22 57	0 30	22 42	0 42	22 15	0 6	7 0	2 30	17 19	0 45	0 25	1 55	31 51	11 27	16 22	16 0	19 35		n.a.
T 7	22 9	27 31	3 49	22 26	0 55	23 9	0 32	22 48	0 43	22 17	0 6	7 0	2 30	17 19	0 45	0 25	1 55	31 52	11 27	16 25	16 1	19 37		n.a.
W 8	22 17	26 30	3 2	22 57	1 3	23 21	0 34	22 55	0 43	22 19	0 6	6 59	2 30	17 19	0 45	0 24	1 55	31 52	11 28	16 27	16 2	19 40		n.a.
T 9	22 25	24 10	2 5	23 25	1 11	23 32	0 37	23 1	0 44	22 21	0 6	6 58	2 30	17 19	0 45	0 24	1 55	31 53	11 28	16 29	16 3	19 42		n.a.
F 10	22 33	20 37	1 2	23 51	1 18	23 42	0 39	23 7	0 44	22 23	0 5	6 58	2 29	17 19	0 45	0 24	1 55	31 53	11 28	16 30	16 4	19 44		n.a.
S 11	22 41	16 1	0s 7	24 13	1 25	23 51	0 41	23 13	0 44	22 25	0 5	6 57	2 29	17 20	0 45	0 23	1 55	31 54	11 28	16 30	16 5	19 47		n.a.
S 12	22 48	10 36	1 16	24 34	1 31	24 0	0 43	23 19	0 45	22 27	0 5	6 57	2 29	17 20	0 45	0 23	1 55	31 54	11 29	16 30	16 6	19 49		n.a.
M13	22 54	4 35	2 23	24 51	1 36	24 8	0 45	23 24	0 45	22 29	0 5	6 56	2 29	17 20	0 45	0 23	1 55	31 54	11 29	16 30	16 7	19 51		n.a.
T 14	23 0	1s48	3 23	25 5	1 40	24 15	0 47	23 30	0 46	22 31	0 5	6 56	2 28	17 21	0 45	0 22	1 55	31 55	11 29	16 30	16 8	19 53		n.a.
W15	23 6	8 15	4 13	25 17	1 44	24 21	0 49	23 35	0 46	22 33	0 5	6 55	2 28	17 21	0 45	0 22	1 55	31 55	11 29	16 30	16 9	19 56		n.a.
T 16	23 12	14 26	4 48	25 26	1 47	24 27	0 51	23 40	0 47	22 35	0 5	6 55	2 28	17 21	0 45	0 22	1 55	31 56	11 30	16 32	16 10	19 58		n.a.
F 17	23 17	19 54	5 4	25 32	1 49	24 32	0 53	23 44	0 47	22 36	0 5	6 54	2 28	17 22	0 45	0 21	1 55	31 56	11 30	16 34	16 11	20 0		n.a.
S 18	23 21	24 11	5 0	25 36	1 51	24 37	0 55	23 49	0 47	22 38	0 5	6 54	2 27	17 22	0 45	0 21	1 55	31 57	11 30	16 36	16 12	20 3		n.a.
S 19	23 26	26 49	4 36	25 37	1 52	24 40	0 57	23 53	0 48	22 40	0 5	6 54	2 27	17 22	0 45	0 21	1 55	31 57	11 30	16 38	16 13	20 5		n.a.
M20	23 29	27 32	3 52	25 35	1 52	24 43	0 58	23 57	0 48	22 42	0 4	6 53	2 27	17 23	0 45	0 21	1 55	31 57	11 31	16 40	16 14	20 7		n.a.
T 21	23 33	26 17	2 55	25 32	1 52	24 45	1 0	24 1	0 49	22 43	0 4	6 53	2 27	17 23	0 45	0 20	1 55	31 58	11 31	16 42	16 15	20 9		n.a.
W22	23 36	23 20	1 47	25 26	1 51	24 47	1 2	24 5	0 49	22 45	0 4	6 53	2 26	17 23	0 45	0 20	1 56	31 58	11 31	16 43	16 16	20 12		n.a.
T 23	23 38	19 6	0 35	25 18	1 49	24 47	1 4	24 9	0 50	22 47	0 4	6 53	2 26	17 24	0 45	0 20	1 56	31 59	11 31	16 44	16 17	20 14		n.a.
F 24	23 40	14 2	0n37	25 7	1 47	24 47	1 5	24 12	0 50	22 48	0 4	6 53	2 26	17 24	0 45	0 20	1 56	31 59	11 32	16 44	16 18	20 16		n.a.
S 25	23 42	8 29	1 45	24 56	1 45	24 46	1 7	24 16	0 50	22 50	0 4	6 53	2 26	17 25	0 46	0 19	1 56	32 0	11 32	16 43	16 19	20 18		n.a.
S 26	23 44	2 46	2 45	24 42	1 41	24 45	1 8	24 19	0 51	22 51	0 4	6 53	2 25	17 25	0 46	0 19	1 56	32 0	11 32	16 43	16 20	20 20		n.a.
M27	23 44	2n54	3 37	24 26	1 38	24 42	1 10	24 22	0 51	22 53	0 4	6 53	2 25	17 25	0 46	0 19	1 56	32 1	11 32	16 43	16 21	20 23		n.a.
T 28	23 45	8 22	4 18	24 9	1 34	24 39	1 11	24 24	0 52	22 55	0 4	6 53	2 25	17 26	0 46	0 19	1 56	32 1	11 32	16 43	16 22	20 25		n.a.
W29	23 45	13 29	4 48	23 51	1 29	24 35	1 13	24 27	0 52	22 56	0 4	6 53	2 25	17 26	0 46	0 19	1 56	32 1	11 33	16 44	16 23	20 27		n.a.
T 30	23n45	18n 4	5n 4	23n31	1n24	24n31	1n14	24n29	0n52	22n58	0s 3	6s53	2n24	17s27	0s46	0s19	1s56	32s 2	11s33	16s45	16s23	20n29		n.a.

Julian Day Number = 1564151.5, Delta T = 04h22m08s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'08, Lahiri = - 9°54'07 Julian Calendar 1 June 431 BCE == Greg. Calendar 27 May 431 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

JULY 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 13 19	2♋16'42	16♉42	22♋20	12♋20	24♊38	16♊22	23°R 9	14°R23	3♈38	28°R21	14°R12	15♒28	12♉ 3	n.a.	F 1
S 2	18 17 16	3°14'06	28°39	23°57	13°34	25°17	16°35	23♎ 9	14♒21	3°38	28♑20	14♒ 5	15°25	12°10	n.a.	S 2
S 3	18 21 12	4°11'32	10♊42	25°32	14°48	25°55	16°48	23° 9	14°20	3°39	28°19	13°57	15°22	12°16	n.a.	S 3
M 4	18 25 9	5° 9'00	22°53	27° 5	16° 2	26°34	17° 1	23°D 9	14°18	3°39	28°18	13°50	15°18	12°23	n.a.	M 4
T 5	18 29 5	6° 6'28	5♋14	28°37	17°16	27°12	17°14	23° 9	14°16	3°39	28°17	13°45	15°15	12°30	n.a.	T 5
W 6	18 33 2	7° 3'58	17°46	0♌ 7	18°30	27°51	17°27	23° 9	14°14	3°39	28°15	13°40	15°12	12°37	n.a.	W 6
T 7	18 36 58	8° 1'29	0♌29	1°35	19°44	28°29	17°40	23° 9	14°13	3°40	28°14	13°38	15° 9	12°43	n.a.	T 7
F 8	18 40 55	8°59'01	13°25	3° 1	20°58	29° 7	17°53	23°10	14°11	3°40	28°13	13°D37	15° 6	12°50	n.a.	F 8
S 9	18 44 51	9°56'34	26°33	4°26	22°12	29°46	18° 6	23°10	14° 9	3°40	28°12	13°38	15° 2	12°57	n.a.	S 9
S 10	18 48 48	10°54'08	9♍54	5°49	23°26	0♋24	18°19	23°11	14° 7	3°40	28°11	13°39	14°59	13° 4	n.a.	S 10
M11	18 52 45	11°51'43	23°29	7°10	24°40	1° 3	18°32	23°12	14° 5	3°40	28° 9	13°40	14°56	13°10	n.a.	M11
T 12	18 56 41	12°49'19	7♎19	8°29	25°54	1°41	18°45	23°12	14° 3	3°40	28° 8	13°R41	14°53	13°17	n.a.	T 12
W13	19 0 38	13°46'56	21°24	9°47	27° 8	2°19	18°58	23°13	14° 1	3°R40	28° 7	13°41	14°50	13°24	n.a.	W13
T 14	19 4 34	14°44'34	5♏43	11° 2	28°22	2°58	19°10	23°14	13°59	3°40	28° 6	13°40	14°47	13°30	n.a.	T 14
F 15	19 8 31	15°42'14	20°12	12°16	29°36	3°36	19°23	23°15	13°57	3°40	28° 4	13°37	14°43	13°37	n.a.	F 15
S 16	19 12 27	16°39'55	4♐47	13°27	0♌50	4°14	19°36	23°16	13°55	3°40	28° 3	13°34	14°40	13°44	n.a.	S 16
S 17	19 16 24	17°37'37	19°23	14°36	2° 4	4°53	19°48	23°18	13°53	3°40	28° 2	13°30	14°37	13°51	n.a.	S 17
M18	19 20 20	18°35'20	3♑54	15°43	3°18	5°31	20° 1	23°19	13°51	3°40	28° 1	13°27	14°34	13°57	n.a.	M18
T 19	19 24 17	19°33'05	18°12	16°48	4°32	6° 9	20°14	23°20	13°49	3°40	27°59	13°24	14°31	14° 4	n.a.	T 19
W20	19 28 14	20°30'51	2♒13	17°50	5°46	6°47	20°26	23°22	13°47	3°40	27°58	13°23	14°28	14°11	n.a.	W20
T 21	19 32 10	21°28'39	15°54	18°50	7° 1	7°26	20°38	23°24	13°45	3°39	27°57	13°D23	14°24	14°18	n.a.	T 21
F 22	19 36 7	22°26'29	29°12	19°46	8°15	8° 4	20°51	23°25	13°43	3°39	27°55	13°23	14°21	14°24	n.a.	F 22
S 23	19 40 3	23°24'20	12♓ 8	20°40	9°29	8°42	21° 3	23°27	13°40	3°39	27°54	13°24	14°18	14°31	n.a.	S 23
S 24	19 44 0	24°22'13	24°43	21°31	10°43	9°20	21°15	23°29	13°38	3°38	27°53	13°26	14°15	14°38	n.a.	S 24
M25	19 47 56	25°20'08	7♈ 2	22°19	11°57	9°58	21°28	23°31	13°36	3°38	27°52	13°27	14°12	14°44	n.a.	M25
T 26	19 51 53	26°18'05	19° 7	23° 4	13°11	10°37	21°40	23°33	13°34	3°38	27°50	13°28	14° 8	14°51	n.a.	T 26
W27	19 55 49	27°16'04	1♉ 4	23°44	14°25	11°15	21°52	23°35	13°32	3°37	27°49	13°R28	14° 5	14°58	n.a.	W27
T 28	19 59 46	28°14'05	12°58	24°21	15°39	11°53	22° 4	23°37	13°29	3°37	27°48	13°28	14° 2	15° 5	n.a.	T 28
F 29	20 3 43	29°12'08	24°52	24°54	16°53	12°31	22°16	23°40	13°27	3°36	27°46	13°26	13°59	15°11	n.a.	F 29
S 30	20 7 39	0♌10'13	6♊50	25°23	18° 7	13° 9	22°28	23°42	13°25	3°36	27°45	13°25	13°56	15°18	n.a.	S 30
S 31	20 11 36	1♌ 8'20	18♊58	25♌47	19♌21	13♋47	22♊40	23♎45	13♒22	3♈35	27♑44	13♒23	13♒53	15♉25	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n44	21n58	5n 8	23n10	1n18	24n25	1n15	24n31	0n53	22n59	0s 3	6s53	2n24	17s27	0s46	0s19	1s56	32s 2	11s33	16s47	16s24	20n31		n.a.
S 2	23 43	24 58	4 59	22 47	1 13	24 19	1 17	24 33	0 53	23 1	0 3	6 53	2 24	17 28	0 46	0 19	1 56	32 3	11 33	16 49	16 25	20 34		n.a.
S 3	23 41	26 53	4 36	22 24	1 6	24 12	1 18	24 35	0 54	23 2	0 3	6 53	2 24	17 28	0 46	0 18	1 56	32 3	11 33	16 51	16 26	20 36		n.a.
M 4	23 39	27 33	4 1	21 59	1 0	24 5	1 19	24 36	0 54	23 3	0 3	6 54	2 23	17 29	0 46	0 18	1 56	32 4	11 33	16 53	16 27	20 38		n.a.
T 5	23 36	26 52	3 13	21 34	0 53	23 56	1 20	24 37	0 54	23 5	0 3	6 54	2 23	17 29	0 46	0 18	1 56	32 4	11 34	16 55	16 28	20 40		n.a.
W 6	23 33	24 48	2 16	21 8	0 45	23 47	1 21	24 39	0 55	23 6	0 3	6 54	2 23	17 30	0 46	0 18	1 56	32 4	11 34	16 56	16 29	20 42		n.a.
T 7	23 30	21 28	1 11	20 41	0 38	23 38	1 22	24 39	0 55	23 7	0 3	6 55	2 22	17 31	0 46	0 18	1 57	32 5	11 34	16 57	16 30	20 44		n.a.
F 8	23 26	17 2	0 1	20 13	0 30	23 27	1 23	24 40	0 55	23 9	0 3	6 55	2 22	17 31	0 46	0 18	1 57	32 5	11 34	16 57	16 31	20 47		n.a.
S 9	23 22	11 44	1s10	19 45	0 22	23 16	1 24	24 41	0 56	23 10	0 3	6 55	2 22	17 32	0 46	0 18	1 57	32 6	11 34	16 57	16 32	20 49		n.a.
S 10	23 18	5 49	2 19	19 17	0 13	23 4	1 24	24 41	0 56	23 11	0 2	6 56	2 22	17 32	0 46	0 18	1 57	32 6	11 34	16 57	16 33	20 51		n.a.
M11	23 13	0s27	3 21	18 48	0 5	22 52	1 25	24 41	0 57	23 13	0 2	6 56	2 21	17 33	0 46	0 18	1 57	32 6	11 34	16 56	16 34	20 53		n.a.
T 12	23 7	6 48	4 12	18 18	0s 4	22 39	1 26	24 41	0 57	23 14	0 2	6 57	2 21	17 33	0 46	0 18	1 57	32 7	11 35	16 56	16 35	20 55		n.a.
W13	23 1	12 55	4 50	17 49	0 14	22 25	1 26	24 41	0 57	23 15	0 2	6 57	2 21	17 34	0 46	0 18	1 57	32 7	11 35	16 56	16 36	20 57		n.a.
T 14	22 55	18 27	5 10	17 19	0 23	22 10	1 27	24 41	0 58	23 16	0 2	6 58	2 21	17 35	0 46	0 19	1 57	32 8	11 35	16 56	16 37	20 59		n.a.
F 15	22 49	23 0	5 11	16 49	0 33	21 55	1 27	24 40	0 58	23 17	0 2	6 59	2 20	17 35	0 46	0 19	1 57	32 8	11 35	16 57	16 38	21 2		n.a.
S 16	22 42	26 9	4 52	16 19	0 42	21 39	1 28	24 39	0 58	23 18	0 2	6 59	2 20	17 36	0 46	0 19	1 57	32 8	11 35	16 58	16 39	21 4		n.a.
S 17	22 34	27 32	4 14	15 50	0 52	21 23	1 28	24 38	0 59	23 19	0 2	7 0	2 20	17 36	0 46	0 19	1 57	32 9	11 35	16 59	16 40	21 6		n.a.
M18	22 26	27 1	3 20	15 20	1 2	21 6	1 28	24 37	0 59	23 20	0 2	7 1	2 20	17 37	0 46	0 19	1 57	32 9	11 35	17 0	16 40	21 8		n.a.
T 19	22 18	24 42	2 14	14 51	1 13	20 48	1 28	24 36	0 59	23 22	0 1	7 2	2 19	17 38	0 46	0 19	1 57	32 10	11 35	17 1	16 41	21 10		n.a.
W20	22 10	20 54	1 1	14 22	1 23	20 30	1 28	24 34	1 0	23 23	0 1	7 2	2 19	17 38	0 46	0 19	1 57	32 10	11 35	17 1	16 42	21 12		n.a.
T 21	22 1	16 3	0n14	13 54	1 33	20 11	1 28	24 32	1 0	23 24	0 1	7 3	2 19	17 39	0 46	0 19	1 58	32 10	11 36	17 1	16 43	21 14		n.a.
F 22	21 51	10 34	1 26	13 26	1 44	19 52	1 28	24 30	1 1	23 25	0 1	7 4	2 19	17 40	0 46	0 19	1 58	32 11	11 36	17 1	16 44	21 16		n.a.
S 23	21 41	4 46	2 32	12 59	1 54	19 32	1 28	24 28	1 1	23 26	0 1	7 5	2 18	17 40	0 46	0 20	1 58	32 11	11 36	17 1	16 45	21 18		n.a.
S 24	21 31	1n 4	3 28	12 33	2 5	19 11	1 28	24 26	1 1	23 26	0 1	7 6	2 18	17 41	0 46	0 20	1 58	32 11	11 36	17 0	16 46	21 20		n.a.
M25	21 21	6 42	4 14	12 7	2 15	18 50	1 28	24 24	1 2	23 27	0 1	7 7	2 18	17 42	0 46	0 20	1 58	32 12	11 36	17 0	16 47	21 22		n.a.
T 26	21 10	12 0	4 48	11 43	2 26	18 29	1 28	24 21	1 2	23 28	0 1	7 8	2 17	17 42	0 46	0 20	1 58	32 12	11 36	17 0	16 48	21 24		n.a.
W27	20 59	16 48	5 8	11 20	2 36	18 6	1 27	24 18	1 2	23 29	0 1	7 9	2 17	17 43	0 46	0 21	1 58	32 12	11 36	17 0	16 49	21 26		n.a.
T 28	20 47	20 56	5 16	10 58	2 46	17 44	1 27	24 15	1 3	23 30	0 1	7 10	2 17	17 44	0 46	0 21	1 58	32 13	11 36	17 0	16 50	21 28		n.a.
F 29	20 35	24 13	5 9	10 37	2 56	17 21	1 26	24 12	1 3	23 31	0 0	7 11	2 17	17 44	0 46	0 21	1 58	32 13	11 36	17 0	16 51	21 30		n.a.
S 30	20 23	26 29	4 50	10 18	3 6	16 57	1 26	24 8	1 3	23 32	0 0	7 12	2 16	17 45	0 46	0 21	1 58	32 13	11 36	17 1	16 52	21 32		n.a.
S 31	20n10	27n33	4n17	10n 1	3s16	16n33	1n25	24n 5	1n 4	23n32	0s 0	7s14	2n16	17s46	0s46	0s22	1s58	32s14	11s36	17s 1	16s53	21n35		n.a.

Julian Day Number = 1564181.5, Delta T = 04h22m07s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'04, Lahiri = - 9°54'03 Julian Calendar 1 July 431 BCE == Greg. Calendar 26 June 431 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

AUGUST 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 15 32	2♌ 6'30	1♋17	26♌ 6	20♌35	14♋25	22♊52	23♎47	13°R20	3°R35	27°R43	13°R21	13♒49	15♉31	n.a.	M 1
T 2	20 19 29	3° 4'41	13°50	26°20	21°49	15° 3	23° 3	23°50	13♒18	3♈34	27♂41	13♒20	13°46	15°38	n.a.	T 2
W 3	20 23 25	4° 2'54	26°37	26°28	23° 3	15°42	23°15	23°53	13°15	3°33	27°40	13°19	13°43	15°45	n.a.	W 3
T 4	20 27 22	5° 1'09	9♌41	26°R31	24°17	16°20	23°27	23°56	13°13	3°33	27°39	13°D19	13°40	15°52	n.a.	T 4
F 5	20 31 18	5°59'25	22°59	26°27	25°32	16°58	23°38	23°59	13°10	3°32	27°37	13°19	13°37	15°58	n.a.	F 5
S 6	20 35 15	6°57'44	6♍31	26°18	26°46	17°36	23°50	24° 2	13° 8	3°31	27°36	13°19	13°34	16° 5	n.a.	S 6
S 7	20 39 12	7°56'04	20°16	26° 2	28° 0	18°14	24° 1	24° 5	13° 6	3°30	27°35	13°20	13°30	16°12	n.a.	S 7
M 8	20 43 8	8°54'26	4♎11	25°39	29°14	18°52	24°12	24° 8	13° 3	3°30	27°34	13°20	13°27	16°19	n.a.	M 8
T 9	20 47 5	9°52'50	18°14	25°10	0♍28	19°30	24°23	24°11	13° 1	3°29	27°32	13°20	13°24	16°25	n.a.	T 9
W10	20 51 1	10°51'15	2♏23	24°34	1°42	20° 8	24°35	24°15	12°59	3°28	27°31	13°21	13°21	16°32	n.a.	W10
T 11	20 54 58	11°49'42	16°37	23°52	2°56	20°46	24°46	24°18	12°56	3°27	27°30	13°R21	13°18	16°39	n.a.	T 11
F 12	20 58 54	12°48'11	0♐51	23° 5	4°10	21°24	24°57	24°22	12°54	3°26	27°29	13°D21	13°14	16°45	n.a.	F 12
S 13	21 2 51	13°46'42	15° 5	22°12	5°24	22° 2	25° 7	24°26	12°51	3°25	27°27	13°21	13°11	16°52	n.a.	S 13
S 14	21 6 47	14°45'14	29°14	21°15	6°38	22°40	25°18	24°29	12°49	3°24	27°26	13°21	13° 8	16°59	n.a.	S 14
M15	21 10 44	15°43'48	13♑16	20°14	7°52	23°18	25°29	24°33	12°47	3°23	27°25	13°21	13° 5	17° 6	n.a.	M15
T 16	21 14 41	16°42'24	27° 7	19°11	9° 6	23°56	25°40	24°37	12°44	3°22	27°24	13°21	13° 2	17°12	n.a.	T 16
W17	21 18 37	17°41'02	10♒46	18° 8	10°20	24°33	25°50	24°41	12°42	3°21	27°22	13°R21	12°59	17°19	n.a.	W17
T 18	21 22 34	18°39'42	24° 9	17° 5	11°34	25°11	26° 1	24°45	12°39	3°20	27°21	13°21	12°55	17°26	n.a.	T 18
F 19	21 26 30	19°38'24	7♓15	16° 5	12°48	25°49	26°11	24°49	12°37	3°19	27°20	13°21	12°52	17°33	n.a.	F 19
S 20	21 30 27	20°37'08	20° 4	15° 8	14° 2	26°27	26°21	24°53	12°35	3°18	27°19	13°20	12°49	17°39	n.a.	S 20
S 21	21 34 23	21°35'55	2♈36	14°16	15°16	27° 5	26°31	24°57	12°32	3°17	27°18	13°19	12°46	17°46	n.a.	S 21
M22	21 38 20	22°34'43	14°54	13°31	16°30	27°43	26°41	25° 2	12°30	3°16	27°17	13°18	12°43	17°53	n.a.	M22
T 23	21 42 16	23°33'34	27° 0	12°54	17°44	28°21	26°51	25° 6	12°27	3°14	27°15	13°17	12°39	17°59	n.a.	T 23
W24	21 46 13	24°32'28	8♉58	12°26	18°58	28°59	27° 1	25°11	12°25	3°13	27°14	13°16	12°36	18° 6	n.a.	W24
T 25	21 50 10	25°31'23	20°51	12° 7	20°11	29°37	27°11	25°15	12°23	3°12	27°13	13°D15	12°33	18°13	n.a.	T 25
F 26	21 54 6	26°30'22	2♊45	11°D58	21°25	0♌14	27°21	25°20	12°21	3°11	27°12	13°15	12°30	18°20	n.a.	F 26
S 27	21 58 3	27°29'22	14°43	11°59	22°39	0°52	27°30	25°24	12°18	3° 9	27°11	13°16	12°27	18°26	n.a.	S 27
S 28	22 1 59	28°28'25	26°51	12°10	23°53	1°30	27°40	25°29	12°16	3° 8	27°10	13°17	12°24	18°33	n.a.	S 28
M29	22 5 56	29°27'31	9♋13	12°32	25° 7	2° 8	27°49	25°34	12°14	3° 7	27° 9	13°18	12°20	18°40	n.a.	M29
T 30	22 9 52	0♍26'39	21°53	13° 3	26°21	2°46	27°58	25°39	12°11	3° 5	27° 8	13°20	12°17	18°47	n.a.	T 30
W31	22 13 49	1♍25'49	4♌52	13♌43	27♍35	3♌24	28♊ 7	25♎44	12♒ 9	3♈ 4	27♂ 7	13♒20	12♒14	18♉53	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	19n57	27n17	3n32	9n46	3s25	16n 9	1n24	24n 1	1n 4	23n33	0s 0	7s15	2n16	17s46	0s46	0s22	1s58	32s14	11s36	17s 2	16s54	21n37			n.a.
T 2	19 43	25 36	2 36	9 33	3 34	15 44	1 24	23 57	1 4	23 34	0n 0	7 16	2 16	17 47	0 46	0 22	1 58	32 14	11 36	17 2	16 54	21 39			n.a.
W 3	19 30	22 35	1 31	9 23	3 42	15 19	1 23	23 53	1 5	23 35	0 0	7 17	2 15	17 48	0 46	0 23	1 58	32 15	11 36	17 2	16 55	21 41			n.a.
T 4	19 15	18 23	0 20	9 15	3 49	14 53	1 22	23 49	1 5	23 35	0 0	7 19	2 15	17 48	0 46	0 23	1 58	32 15	11 36	17 2	16 56	21 43			n.a.
F 5	19 1	13 12	0s53	9 10	3 56	14 27	1 21	23 44	1 5	23 36	0 0	7 20	2 15	17 49	0 46	0 23	1 58	32 15	11 36	17 2	16 57	21 45			n.a.
S 6	18 46	7 18	2 5	9 8	4 2	14 0	1 20	23 40	1 6	23 37	0 0	7 21	2 15	17 50	0 46	0 24	1 59	32 15	11 36	17 2	16 58	21 46			n.a.
S 7	18 31	0 59	3 11	9 8	4 7	13 33	1 19	23 35	1 6	23 37	0 1	7 23	2 14	17 51	0 46	0 24	1 59	32 16	11 36	17 2	16 59	21 48			n.a.
M 8	18 16	5s26	4 6	9 13	4 10	13 6	1 18	23 30	1 6	23 38	0 1	7 24	2 14	17 51	0 46	0 24	1 59	32 16	11 36	17 2	17 0	21 50			n.a.
T 9	18 0	11 39	4 47	9 20	4 13	12 38	1 16	23 25	1 7	23 38	0 1	7 26	2 14	17 52	0 46	0 25	1 59	32 16	11 36	17 2	17 1	21 52			n.a.
W10	17 44	17 19	5 11	9 31	4 13	12 10	1 15	23 19	1 7	23 39	0 1	7 27	2 14	17 53	0 46	0 25	1 59	32 16	11 36	17 2	17 2	21 54			n.a.
T 11	17 28	22 3	5 16	9 46	4 13	11 42	1 14	23 14	1 7	23 40	0 1	7 29	2 13	17 53	0 46	0 25	1 59	32 17	11 36	17 2	17 3	21 56			n.a.
F 12	17 11	25 31	5 2	10 4	4 10	11 14	1 12	23 8	1 8	23 40	0 1	7 30	2 13	17 54	0 46	0 26	1 59	32 17	11 36	17 2	17 4	21 58			n.a.
S 13	16 54	27 22	4 30	10 25	4 6	10 45	1 11	23 2	1 8	23 41	0 1	7 32	2 13	17 55	0 46	0 26	1 59	32 17	11 36	17 2	17 5	22 0			n.a.
S 14	16 37	27 26	3 41	10 50	3 59	10 16	1 9	22 56	1 8	23 41	0 1	7 33	2 13	17 55	0 46	0 27	1 59	32 17	11 36	17 2	17 5	22 2			n.a.
M15	16 20	25 43	2 39	11 17	3 51	9 46	1 8	22 50	1 8	23 42	0 1	7 35	2 13	17 56	0 46	0 27	1 59	32 18	11 36	17 2	17 6	22 4			n.a.
T 16	16 2	22 27	1 29	11 47	3 40	9 17	1 6	22 44	1 9	23 42	0 2	7 37	2 12	17 57	0 46	0 28	1 59	32 18	11 36	17 2	17 7	22 6			n.a.
W17	15 44	17 59	0 14	12 18	3 28	8 47	1 4	22 37	1 9	23 43	0 2	7 38	2 12	17 58	0 46	0 28	1 59	32 18	11 36	17 2	17 8	22 8			n.a.
T 18	15 26	12 43	0n59	12 51	3 14	8 17	1 2	22 31	1 9	23 43	0 2	7 40	2 12	17 58	0 46	0 29	1 59	32 18	11 36	17 2	17 9	22 10			n.a.
F 19	15 7	6 58	2 9	13 24	2 58	7 46	1 1	22 24	1 10	23 44	0 2	7 42	2 12	17 59	0 46	0 29	1 59	32 18	11 36	17 2	17 10	22 12			n.a.
S 20	14 48	1 5	3 10	13 57	2 41	7 16	0 59	22 17	1 10	23 44	0 2	7 43	2 11	18 0	0 46	0 30	1 59	32 19	11 36	17 2	17 11	22 14			n.a.
S 21	14 29	4n43	4 0	14 29	2 22	6 45	0 57	22 10	1 10	23 44	0 2	7 45	2 11	18 0	0 46	0 30	1 59	32 19	11 36	17 2	17 12	22 15			n.a.
M22	14 10	10 13	4 38	15 1	2 3	6 14	0 55	22 2	1 11	23 45	0 2	7 47	2 11	18 1	0 46	0 31	1 59	32 19	11 36	17 3	17 13	22 17			n.a.
T 23	13 50	15 14	5 4	15 30	1 44	5 43	0 53	21 55	1 11	23 45	0 2	7 49	2 11	18 2	0 46	0 31	1 59	32 19	11 35	17 3	17 14	22 19			n.a.
W24	13 31	19 38	5 15	15 57	1 24	5 12	0 50	21 47	1 11	23 45	0 2	7 51	2 11	18 2	0 46	0 32	1 59	32 19	11 35	17 3	17 15	22 21			n.a.
T 25	13 11	23 13	5 13	16 21	1 5	4 40	0 48	21 40	1 11	23 46	0 3	7 52	2 10	18 3	0 46	0 32	2 0	32 19	11 35	17 3	17 15	22 23			n.a.
F 26	12 50	25 51	4 58	16 42	0 45	4 9	0 46	21 32	1 12	23 46	0 3	7 54	2 10	18 4	0 46	0 33	2 0	32 20	11 35	17 3	17 16	22 25			n.a.
S 27	12 30	27 20	4 30	16 59	0 27	3 37	0 44	21 24	1 12	23 46	0 3	7 56	2 10	18 4	0 46	0 33	2 0	32 20	11 35	17 3	17 17	22 27			n.a.
S 28	12 9	27 32	3 49	17 13	0 9	3 5	0 41	21 15	1 12	23 47	0 3	7 58	2 10	18 5	0 46	0 34	2 0	32 20	11 35	17 3	17 18	22 29			n.a.
M29	11 49	26 22	2 57	17 23	0n 8	2 34	0 39	21 7	1 13	23 47	0 3	8 0	2 9	18 5	0 46	0 34	2 0	32 20	11 35	17 3	17 19	22 30			n.a.
T 30	11 28	23 51	1 56	17 29	0 23	2 2	0 37	20 59	1 13	23 47	0 3	8 2	2 9	18 6	0 46	0 35	2 0	32 20	11 35	17 2	17 20	22 32			n.a.
W31	11n 6	20n 3	0n47	17n31	0n38	1n30	0n34	20n50	1n13	23n47	0n 3	8s 4	2n 9	18s 7	0s46	0s36	2s 0	32s20	11s35	17s 2	17s21	22n34			n.a.

Julian Day Number = 1564212.5, Delta T = 04h22m06s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°01'00, Lahiri = - 9°53'59 Julian Calendar 1 Aug. 431 BCE == Greg. Calendar 27 July 431 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

SEPTEMBER 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 17 45	2♍25'01	18♌12	14♌32	28♍49	4♌ 1	28♊16	25♎49	12°R 7	3°R 3	27°R 6	13°R21	12♒11	19♉ 0	n.a.	T 1
F 2	22 21 42	3°24'16	1♍53	15°29	0♎ 2	4°39	28°25	25°54	12♒ 5	3♈ 1	27♑ 5	13♒20	12° 8	19° 7	n.a.	F 2
S 3	22 25 38	4°23'32	15°52	16°33	1°16	5°17	28°34	25°59	12° 3	3° 0	27° 4	13°18	12° 5	19°13	n.a.	S 3
S 4	22 29 35	5°22'51	0♎ 5	17°43	2°30	5°55	28°43	26° 4	12° 0	2°58	27° 3	13°15	12° 1	19°20	n.a.	S 4
M 5	22 33 32	6°22'12	14°28	19° 0	3°44	6°32	28°51	26°10	11°58	2°57	27° 2	13°12	11°58	19°27	n.a.	M 5
T 6	22 37 28	7°21'34	28°54	20°21	4°58	7°10	28°59	26°15	11°56	2°55	27° 1	13° 9	11°55	19°34	n.a.	T 6
W 7	22 41 25	8°20'59	13♏20	21°47	6°12	7°48	29° 8	26°20	11°54	2°54	27° 0	13° 6	11°52	19°40	n.a.	W 7
T 8	22 45 21	9°20'26	27°40	23°16	7°25	8°26	29°16	26°26	11°52	2°52	26°59	13° 4	11°49	19°47	n.a.	T 8
F 9	22 49 18	10°19'54	11♐51	24°49	8°39	9° 3	29°24	26°31	11°50	2°51	26°58	13°D 4	11°45	19°54	n.a.	F 9
S 10	22 53 14	11°19'25	25°52	26°24	9°53	9°41	29°32	26°37	11°48	2°49	26°57	13° 4	11°42	20° 0	n.a.	S 10
S 11	22 57 11	12°18'57	9♑40	28° 1	11° 6	10°19	29°39	26°42	11°46	2°48	26°56	13° 6	11°39	20° 7	n.a.	S 11
M12	23 1 7	13°18'31	23°17	29°40	12°20	10°56	29°47	26°48	11°44	2°46	26°56	13° 7	11°36	20°14	n.a.	M12
T 13	23 5 4	14°18'07	6♒42	1♍20	13°34	11°34	29°54	26°54	11°42	2°45	26°55	13°R 9	11°33	20°21	n.a.	T 13
W14	23 9 1	15°17'45	19°55	3° 2	14°47	12°12	0♋ 2	27° 0	11°40	2°43	26°54	13° 8	11°30	20°27	n.a.	W14
T 15	23 12 57	16°17'25	2♓56	4°44	16° 1	12°49	0° 9	27° 5	11°38	2°41	26°53	13° 7	11°26	20°34	n.a.	T 15
F 16	23 16 54	17°17'07	15°44	6°26	17°15	13°27	0°16	27°11	11°37	2°40	26°53	13° 4	11°23	20°41	n.a.	F 16
S 17	23 20 50	18°16'50	28°20	8° 9	18°28	14° 5	0°23	27°17	11°35	2°38	26°52	12°59	11°20	20°48	n.a.	S 17
S 18	23 24 47	19°16'36	10♈44	9°52	19°42	14°42	0°30	27°23	11°33	2°37	26°51	12°52	11°17	20°54	n.a.	S 18
M19	23 28 43	20°16'25	22°57	11°35	20°55	15°20	0°36	27°29	11°31	2°35	26°50	12°45	11°14	21° 1	n.a.	M19
T 20	23 32 40	21°16'15	5♉ 0	13°18	22° 9	15°58	0°43	27°35	11°30	2°33	26°50	12°38	11°11	21° 8	n.a.	T 20
W21	23 36 36	22°16'08	16°56	15° 0	23°23	16°35	0°49	27°41	11°28	2°32	26°49	12°32	11° 7	21°14	n.a.	W21
T 22	23 40 33	23°16'03	28°48	16°43	24°36	17°13	0°55	27°48	11°26	2°30	26°48	12°27	11° 4	21°21	n.a.	T 22
F 23	23 44 29	24°16'00	10♊40	18°25	25°49	17°50	1° 1	27°54	11°25	2°28	26°48	12°24	11° 1	21°28	n.a.	F 23
S 24	23 48 26	25°16'00	22°36	20° 6	27° 3	18°28	1° 7	28° 0	11°23	2°27	26°47	12°D23	10°58	21°35	n.a.	S 24
S 25	23 52 23	26°16'02	4♋41	21°48	28°16	19° 6	1°12	28° 6	11°22	2°25	26°47	12°24	10°55	21°41	n.a.	S 25
M26	23 56 19	27°16'06	17° 1	23°28	29°30	19°43	1°18	28°13	11°20	2°23	26°46	12°25	10°51	21°48	n.a.	M26
T 27	0 0 16	28°16'13	29°39	25° 9	0♏43	20°21	1°23	28°19	11°19	2°22	26°46	12°26	10°48	21°55	n.a.	T 27
W28	0 4 12	29°16'21	12♌40	26°49	1°57	20°58	1°28	28°25	11°17	2°20	26°45	12°R27	10°45	22° 1	n.a.	W28
T 29	0 8 9	0♎16'32	26° 8	28°28	3°10	21°36	1°33	28°32	11°16	2°18	26°45	12°26	10°42	22° 8	n.a.	T 29
F 30	0 12 5	1♎16'45	10♍ 2	0♎ 7	4♏23	22♌13	1♋38	28♎38	11♒15	2♈17	26♑44	12♒23	10♒39	22♉15	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n45	15n 9	0s27	17n30	0n51	0n58	0n32	20n41	1n13	23n48	0n 3	8s 6	2n 9	18s 7	0s46	0s36	2s 0	32s20	11s34	17s 2	17s22	22n36		n.a.
F 2	10 23	9 23	1 40	17 24	1 3	0 26	0 29	20 32	1 14	23 48	0 4	8 8	2 9	18 8	0 46	0 37	2 0	32 20	11 34	17 2	17 23	22 38		n.a.
S 3	10 1	3 3	2 49	17 15	1 13	0s 6	0 27	20 23	1 14	23 48	0 4	8 10	2 9	18 9	0 46	0 37	2 0	32 20	11 34	17 3	17 24	22 39		n.a.
S 4	9 39	3s32	3 49	17 2	1 23	0 38	0 24	20 14	1 14	23 48	0 4	8 12	2 8	18 9	0 46	0 38	2 0	32 20	11 34	17 3	17 25	22 41		n.a.
M 5	9 17	9 59	4 35	16 46	1 31	1 11	0 21	20 5	1 15	23 49	0 4	8 14	2 8	18 10	0 46	0 39	2 0	32 21	11 34	17 4	17 25	22 43		n.a.
T 6	8 55	15 57	5 4	16 26	1 38	1 43	0 19	19 55	1 15	23 49	0 4	8 17	2 8	18 10	0 46	0 39	2 0	32 21	11 34	17 5	17 26	22 45		n.a.
W 7	8 33	21 1	5 14	16 4	1 44	2 15	0 16	19 46	1 15	23 49	0 4	8 19	2 8	18 11	0 46	0 40	2 0	32 21	11 34	17 6	17 27	22 47		n.a.
T 8	8 10	24 49	5 4	15 38	1 48	2 47	0 13	19 36	1 15	23 49	0 4	8 21	2 8	18 11	0 46	0 41	2 0	32 21	11 34	17 7	17 28	22 48		n.a.
F 9	7 47	27 2	4 35	15 10	1 52	3 19	0 10	19 26	1 16	23 49	0 4	8 23	2 7	18 12	0 46	0 41	2 0	32 21	11 33	17 7	17 29	22 50		n.a.
S 10	7 25	27 31	3 50	14 40	1 54	3 51	0 8	19 16	1 16	23 50	0 5	8 25	2 7	18 13	0 46	0 42	2 0	32 21	11 33	17 7	17 30	22 52		n.a.
S 11	7 2	26 16	2 53	14 8	1 56	4 23	0 5	19 6	1 16	23 50	0 5	8 27	2 7	18 13	0 46	0 42	2 0	32 21	11 33	17 6	17 31	22 54		n.a.
M12	6 39	23 28	1 47	13 34	1 57	4 54	0 2	18 56	1 16	23 50	0 5	8 30	2 7	18 14	0 46	0 43	2 0	32 21	11 33	17 6	17 32	22 55		n.a.
T 13	6 15	19 24	0 35	12 58	1 57	5 26	0s 1	18 46	1 17	23 50	0 5	8 32	2 7	18 14	0 46	0 44	2 0	32 21	11 33	17 5	17 33	22 57		n.a.
W14	5 52	14 27	0n37	12 20	1 57	5 58	0 4	18 35	1 17	23 50	0 5	8 34	2 7	18 15	0 46	0 44	2 0	32 21	11 33	17 5	17 33	22 59		n.a.
T 15	5 29	8 55	1 46	11 41	1 55	6 29	0 7	18 25	1 17	23 50	0 5	8 36	2 6	18 15	0 46	0 45	2 0	32 21	11 32	17 6	17 34	23 1		n.a.
F 16	5 5	3 7	2 48	11 1	1 53	7 0	0 10	18 14	1 17	23 50	0 5	8 39	2 6	18 16	0 46	0 46	2 0	32 21	11 32	17 7	17 35	23 2		n.a.
S 17	4 42	2n42	3 41	10 20	1 51	7 32	0 13	18 3	1 18	23 50	0 6	8 41	2 6	18 16	0 46	0 46	2 0	32 21	11 32	17 8	17 36	23 4		n.a.
S 18	4 18	8 19	4 23	9 38	1 48	8 3	0 16	17 52	1 18	23 51	0 6	8 43	2 6	18 17	0 46	0 47	2 0	32 21	11 32	17 10	17 37	23 6		n.a.
M19	3 54	13 32	4 51	8 55	1 45	8 33	0 19	17 41	1 18	23 51	0 6	8 46	2 6	18 17	0 46	0 48	2 0	32 21	11 32	17 12	17 38	23 7		n.a.
T 20	3 30	18 10	5 7	8 12	1 41	9 4	0 22	17 30	1 18	23 51	0 6	8 48	2 6	18 18	0 46	0 48	2 0	32 21	11 31	17 14	17 39	23 9		n.a.
W21	3 6	22 2	5 9	7 28	1 37	9 34	0 25	17 19	1 19	23 51	0 6	8 50	2 5	18 18	0 46	0 49	2 0	32 21	11 31	17 16	17 40	23 11		n.a.
T 22	2 42	24 58	4 57	6 44	1 33	10 5	0 28	17 8	1 19	23 51	0 6	8 53	2 5	18 18	0 46	0 50	2 0	32 20	11 31	17 17	17 41	23 13		n.a.
F 23	2 18	26 50	4 33	5 59	1 28	10 35	0 31	16 56	1 19	23 51	0 6	8 55	2 5	18 19	0 46	0 51	2 0	32 20	11 31	17 18	17 41	23 14		n.a.
S 24	1 54	27 29	3 57	5 14	1 23	11 4	0 34	16 45	1 19	23 51	0 7	8 57	2 5	18 19	0 46	0 51	2 0	32 20	11 31	17 18	17 42	23 16		n.a.
S 25	1 30	26 49	3 10	4 29	1 17	11 34	0 37	16 33	1 20	23 51	0 7	9 0	2 5	18 20	0 46	0 52	2 0	32 20	11 30	17 18	17 43	23 18		n.a.
M26	1 6	24 51	2 13	3 43	1 12	12 3	0 39	16 21	1 20	23 51	0 7	9 2	2 5	18 20	0 46	0 53	2 0	32 20	11 30	17 18	17 44	23 19		n.a.
T 27	0 42	21 36	1 9	2 58	1 6	12 32	0 42	16 9	1 20	23 51	0 7	9 4	2 5	18 20	0 46	0 53	2 0	32 20	11 30	17 17	17 45	23 21		n.a.
W28	0 18	17 12	0s 1	2 12	1 0	13 1	0 45	15 57	1 20	23 52	0 7	9 7	2 5	18 21	0 46	0 54	2 0	32 20	11 30	17 17	17 46	23 23		n.a.
T 29	0s 7	11 50	1 13	1 27	0 54	13 29	0 48	15 45	1 21	23 52	0 7	9 9	2 4	18 21	0 46	0 55	2 0	32 20	11 30	17 18	17 47	23 24		n.a.
F 30	0s31	5n42	2s23	0n41	0n48	13s57	0s51	15n33	1n21	23n52	0n 7	9s12	2n 4	18s21	0s46	0s55	2s 0	32s20	11s29	17s18	17s48	23n26		n.a.

Julian Day Number = 1564243.5, Delta T = 04h22m04s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'55, Lahiri = - 9°53'55 Julian Calendar 1 Sept. 431 BCE == Greg. Calendar 27 Aug. 431 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

OCTOBER 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 16 2	2♎17'00	24♍20	1♎46	5♏37	22♌51	1♋43	28♎45	11°R14	2°R15	26°R44	12°R18	10♒36	22♉22	n.a.	S 1
S 2	0 19 58	3°17'17	8♎59	3°24	6°50	23°28	1°47	28°51	11♒12	2♈13	26♏44	12♒10	10°32	22°28	n.a.	S 2
M 3	0 23 55	4°17'35	23°50	5° 1	8° 3	24° 6	1°52	28°58	11°11	2°11	26°43	12° 2	10°29	22°35	n.a.	M 3
T 4	0 27 52	5°17'56	8♏45	6°38	9°17	24°43	1°56	29° 4	11°10	2°10	26°43	11°54	10°26	22°42	n.a.	T 4
W 5	0 31 48	6°18'18	23°35	8°15	10°30	25°21	2° 0	29°11	11° 9	2° 8	26°43	11°46	10°23	22°48	n.a.	W 5
T 6	0 35 45	7°18'42	8♐12	9°51	11°43	25°58	2° 4	29°18	11° 8	2° 6	26°42	11°41	10°20	22°55	n.a.	T 6
F 7	0 39 41	8°19'08	22°33	11°27	12°56	26°36	2° 7	29°24	11° 7	2° 5	26°42	11°37	10°16	23° 2	n.a.	F 7
S 8	0 43 38	9°19'34	6♑33	13° 3	14° 9	27°13	2°11	29°31	11° 6	2° 3	26°42	11°D36	10°13	23° 9	n.a.	S 8
S 9	0 47 34	10°20'03	20°14	14°38	15°22	27°51	2°14	29°38	11° 5	2° 1	26°42	11°36	10°10	23°15	n.a.	S 9
M10	0 51 31	11°20'32	3♒37	16°13	16°35	28°28	2°17	29°45	11° 4	2° 0	26°41	11°37	10° 7	23°22	n.a.	M10
T 11	0 55 27	12°21'04	16°43	17°47	17°49	29° 5	2°20	29°51	11° 3	1°58	26°41	11°R37	10° 4	23°29	n.a.	T 11
W12	0 59 24	13°21'36	29°35	19°21	19° 2	29°43	2°22	29°58	11° 3	1°56	26°41	11°36	10° 1	23°36	n.a.	W12
T 13	1 3 21	14°22'10	12♓15	20°55	20°15	0♍20	2°25	0♏ 5	11° 2	1°55	26°41	11°32	9°57	23°42	n.a.	T 13
F 14	1 7 17	15°22'45	24°45	22°29	21°27	0°58	2°27	0°12	11° 1	1°53	26°41	11°25	9°54	23°49	n.a.	F 14
S 15	1 11 14	16°23'22	7♈ 6	24° 2	22°40	1°35	2°29	0°19	11° 1	1°51	26°41	11°15	9°51	23°56	n.a.	S 15
S 16	1 15 10	17°24'01	19°19	25°35	23°53	2°12	2°31	0°26	11° 0	1°50	26°D41	11° 3	9°48	24° 2	n.a.	S 16
M17	1 19 7	18°24'41	1♉24	27° 8	25° 6	2°49	2°33	0°32	11° 0	1°48	26°41	10°50	9°45	24° 9	n.a.	M17
T 18	1 23 3	19°25'23	13°22	28°40	26°19	3°27	2°34	0°39	10°59	1°47	26°41	10°37	9°42	24°16	n.a.	T 18
W19	1 27 0	20°26'06	25°16	0♏13	27°32	4° 4	2°36	0°46	10°59	1°45	26°41	10°24	9°38	24°23	n.a.	W19
T 20	1 30 56	21°26'51	7♊ 7	1°45	28°44	4°41	2°37	0°53	10°58	1°43	26°41	10°14	9°35	24°29	n.a.	T 20
F 21	1 34 53	22°27'38	18°57	3°17	29°57	5°19	2°38	1° 0	10°58	1°42	26°41	10° 6	9°32	24°36	n.a.	F 21
S 22	1 38 50	23°28'26	0♋51	4°49	1♐10	5°56	2°39	1° 7	10°58	1°40	26°41	10° 1	9°29	24°43	n.a.	S 22
S 23	1 42 46	24°29'16	12°53	6°20	2°22	6°33	2°39	1°14	10°58	1°39	26°42	9°59	9°26	24°49	n.a.	S 23
M24	1 46 43	25°30'07	25° 7	7°51	3°35	7°10	2°40	1°21	10°58	1°37	26°42	9°D59	9°22	24°56	n.a.	M24
T 25	1 50 39	26°31'01	7♌40	9°22	4°47	7°48	2°R40	1°28	10°57	1°36	26°42	9°R59	9°19	25° 3	n.a.	T 25
W26	1 54 36	27°31'55	20°36	10°53	6° 0	8°25	2°40	1°35	10°57	1°34	26°42	9°58	9°16	25°10	n.a.	W26
T 27	1 58 32	28°32'51	3♍59	12°24	7°12	9° 2	2°39	1°42	10°D57	1°33	26°42	9°56	9°13	25°16	n.a.	T 27
F 28	2 2 29	29°33'49	17°53	13°54	8°24	9°39	2°39	1°49	10°57	1°31	26°43	9°52	9°10	25°23	n.a.	F 28
S 29	2 6 25	0♏34'48	2♎16	15°24	9°37	10°16	2°38	1°56	10°57	1°30	26°43	9°45	9° 7	25°30	n.a.	S 29
S 30	2 10 22	1°35'48	17° 4	16°53	10°49	10°53	2°37	2° 3	10°58	1°28	26°43	9°35	9° 3	25°36	n.a.	S 30
M31	2 14 19	2♏36'50	2♏12	18♏22	12♐ 1	11♍31	2♋36	2♏10	10♒58	1♈27	26♏44	9♒23	9♒ 0	25♉43	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s55	0s52	3s26	0s 4	0n42	14s25	0s54	15n21	1n21	23n52	0n 8	9s14	2n 4	18s22	0s46	0s56	2s 0	32s20	11s29	17s20	17s48	23n27		n.a.
S 2	1 19	7 31	4 16	0 49	0 36	14 52	0 57	15 9	1 21	23 52	0 8	9 17	2 4	18 22	0 46	0 57	2 0	32 19	11 29	17 22	17 49	23 29		n.a.
M 3	1 44	13 51	4 50	1 34	0 29	15 19	1 0	14 56	1 21	23 52	0 8	9 19	2 4	18 22	0 46	0 57	2 0	32 19	11 29	17 24	17 50	23 31		n.a.
T 4	2 8	19 24	5 5	2 19	0 23	15 46	1 3	14 44	1 22	23 52	0 8	9 21	2 4	18 23	0 46	0 58	2 0	32 19	11 28	17 27	17 51	23 32		n.a.
W 5	2 32	23 44	4 59	3 4	0 16	16 12	1 6	14 31	1 22	23 52	0 8	9 24	2 4	18 23	0 46	0 59	2 0	32 19	11 28	17 29	17 52	23 34		n.a.
T 6	2 56	26 28	4 34	3 48	0 10	16 38	1 9	14 19	1 22	23 52	0 8	9 26	2 4	18 23	0 46	0 59	2 0	32 19	11 28	17 30	17 53	23 35		n.a.
F 7	3 20	27 23	3 51	4 32	0 3	17 4	1 12	14 6	1 22	23 52	0 8	9 29	2 4	18 23	0 46	1 0	2 0	32 19	11 28	17 31	17 54	23 37		n.a.
S 8	3 45	26 31	2 56	5 16	0s 3	17 29	1 14	13 53	1 23	23 52	0 9	9 31	2 3	18 24	0 45	1 1	2 0	32 18	11 28	17 32	17 55	23 39		n.a.
S 9	4 9	24 3	1 52	5 59	0 10	17 53	1 17	13 40	1 23	23 53	0 9	9 34	2 3	18 24	0 45	1 1	2 0	32 18	11 27	17 32	17 55	23 40		n.a.
M10	4 33	20 17	0 43	6 43	0 16	18 17	1 20	13 27	1 23	23 53	0 9	9 36	2 3	18 24	0 45	1 2	2 0	32 18	11 27	17 31	17 56	23 42		n.a.
T 11	4 57	15 36	0n27	7 25	0 23	18 41	1 23	13 14	1 23	23 53	0 9	9 39	2 3	18 24	0 45	1 3	2 0	32 18	11 27	17 31	17 57	23 43		n.a.
W12	5 20	10 18	1 34	8 7	0 30	19 4	1 25	13 1	1 23	23 53	0 9	9 41	2 3	18 24	0 45	1 3	2 0	32 18	11 27	17 32	17 58	23 45		n.a.
T 13	5 44	4 40	2 35	8 49	0 36	19 27	1 28	12 48	1 24	23 53	0 9	9 44	2 3	18 25	0 45	1 4	2 0	32 17	11 26	17 33	17 59	23 46		n.a.
F 14	6 8	1n 4	3 28	9 31	0 42	19 49	1 31	12 35	1 24	23 53	0 10	9 46	2 3	18 25	0 45	1 5	2 0	32 17	11 26	17 35	18 0	23 48		n.a.
S 15	6 31	6 40	4 10	10 12	0 49	20 11	1 33	12 21	1 24	23 53	0 10	9 49	2 3	18 25	0 45	1 5	2 0	32 17	11 26	17 38	18 1	23 49		n.a.
S 16	6 55	11 58	4 40	10 52	0 55	20 32	1 36	12 8	1 24	23 53	0 10	9 51	2 3	18 25	0 45	1 6	2 0	32 17	11 26	17 41	18 1	23 51		n.a.
M17	7 18	16 45	4 57	11 32	1 1	20 52	1 38	11 54	1 24	23 53	0 10	9 54	2 3	18 25	0 45	1 7	2 0	32 17	11 25	17 44	18 2	23 52		n.a.
T 18	7 42	20 50	5 1	12 11	1 7	21 12	1 40	11 41	1 25	23 54	0 10	9 56	2 3	18 25	0 45	1 7	2 0	32 16	11 25	17 48	18 3	23 54		n.a.
W19	8 5	24 2	4 51	12 50	1 13	21 32	1 43	11 27	1 25	23 54	0 10	9 59	2 3	18 25	0 45	1 8	2 0	32 16	11 25	17 52	18 4	23 55		n.a.
T 20	8 28	26 12	4 29	13 28	1 19	21 51	1 45	11 14	1 25	23 54	0 11	10 1	2 2	18 25	0 45	1 8	2 0	32 16	11 25	17 54	18 5	23 57		n.a.
F 21	8 51	27 12	3 56	14 5	1 24	22 9	1 47	11 0	1 25	23 54	0 11	10 4	2 2	18 25	0 45	1 9	2 0	32 16	11 24	17 56	18 6	23 58		n.a.
S 22	9 14	26 56	3 11	14 42	1 30	22 27	1 49	10 46	1 25	23 54	0 11	10 6	2 2	18 26	0 45	1 10	2 0	32 15	11 24	17 58	18 7	24 0		n.a.
S 23	9 37	25 25	2 18	15 18	1 35	22 44	1 52	10 33	1 25	23 54	0 11	10 9	2 2	18 26	0 45	1 10	2 0	32 15	11 24	17 58	18 7	24 1		n.a.
M24	9 59	22 40	1 18	15 53	1 40	23 0	1 54	10 19	1 26	23 54	0 11	10 11	2 2	18 26	0 45	1 11	2 0	32 15	11 24	17 59	18 8	24 3		n.a.
T 25	10 21	18 47	0 12	16 27	1 45	23 16	1 56	10 5	1 26	23 55	0 11	10 14	2 2	18 26	0 45	1 11	2 0	32 14	11 23	17 59	18 9	24 4		n.a.
W26	10 44	13 56	0s56	17 1	1 50	23 31	1 58	9 51	1 26	23 55	0 12	10 16	2 2	18 26	0 45	1 12	2 0	32 14	11 23	17 59	18 10	24 6		n.a.
T 27	11 6	8 16	2 3	17 34	1 54	23 45	1 59	9 37	1 26	23 55	0 12	10 19	2 2	18 25	0 45	1 13	2 0	32 14	11 23	17 59	18 11	24 7		n.a.
F 28	11 28	2 0	3 6	18 6	1 58	23 59	2 1	9 23	1 26	23 55	0 12	10 21	2 2	18 25	0 45	1 13	2 0	32 14	11 23	18 0	18 12	24 9		n.a.
S 29	11 49	4s33	3 59	18 36	2 2	24 12	2 3	9 9	1 26	23 55	0 12	10 24	2 2	18 25	0 45	1 14	2 0	32 13	11 22	18 2	18 13	24 10		n.a.
S 30	12 11	11 3	4 37	19 6	2 6	24 25	2 5	8 55	1 27	23 56	0 12	10 26	2 2	18 25	0 45	1 14	2 0	32 13	11 22	18 5	18 13	24 12		n.a.
M31	12s32	17s 2	4s58	19s35	2s 9	24s36	2s 6	8n40	1n27	23n56	0n12	10s29	2n 2	18s25	0s45	1s15	2s 0	32s13	11s22	18s 8	18s14	24n13		n.a.

Julian Day Number = 1564273.5, Delta T = 04h22m03s
Ecliptic obliquity = 23°44'57, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'51, Lahiri = - 9°53'51 Julian Calendar 1 Oct. 431 BCE == Greg. Calendar 26 Sept. 431 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

NOVEMBER 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 18 15	3♏37'52	17♏28	19♏51	13♐13	12♍ 8	2°R35	2♏17	10♒58	1°R26	26♑44	9°R11	8♒57	25♉50	n.a.	T 1
W 2	2 22 12	4°38'56	2♐41	21°19	14°25	12°45	2♋34	2°24	10°58	1♈24	26°45	9♒ 1	8°54	25°57	n.a.	W 2
T 3	2 26 8	5°40'01	17°40	22°46	15°38	13°22	2°32	2°31	10°59	1°23	26°45	8°52	8°51	26° 3	n.a.	T 3
F 4	2 30 5	6°41'06	2♑18	24°13	16°50	13°59	2°30	2°38	10°59	1°22	26°46	8°46	8°48	26°10	n.a.	F 4
S 5	2 34 1	7°42'13	16°31	25°38	18° 1	14°36	2°28	2°45	11° 0	1°20	26°46	8°43	8°44	26°17	n.a.	S 5
S 6	2 37 58	8°43'19	0♒17	27° 3	19°13	15°13	2°26	2°52	11° 0	1°19	26°47	8°42	8°41	26°24	n.a.	S 6
M 7	2 41 54	9°44'27	13°39	28°26	20°25	15°50	2°24	2°59	11° 1	1°18	26°47	8°42	8°38	26°30	n.a.	M 7
T 8	2 45 51	10°45'34	26°38	29°48	21°37	16°27	2°21	3° 6	11° 1	1°17	26°48	8°42	8°35	26°37	n.a.	T 8
W 9	2 49 48	11°46'42	9♓20	1♐ 8	22°48	17° 4	2°18	3°13	11° 2	1°15	26°48	8°40	8°32	26°44	n.a.	W 9
T 10	2 53 44	12°47'51	21°47	2°26	24° 0	17°40	2°15	3°20	11° 3	1°14	26°49	8°35	8°28	26°50	n.a.	T 10
F 11	2 57 41	13°49'00	4♈ 4	3°42	25°11	18°17	2°12	3°27	11° 3	1°13	26°50	8°27	8°25	26°57	n.a.	F 11
S 12	3 1 37	14°50'10	16°12	4°55	26°23	18°54	2° 9	3°34	11° 4	1°12	26°50	8°16	8°22	27° 4	n.a.	S 12
S 13	3 5 34	15°51'20	28°14	6° 5	27°34	19°31	2° 5	3°41	11° 5	1°11	26°51	8° 3	8°19	27°11	n.a.	S 13
M14	3 9 30	16°52'31	10♉12	7°12	28°45	20° 8	2° 1	3°48	11° 6	1°10	26°52	7°48	8°16	27°17	n.a.	M14
T 15	3 13 27	17°53'42	22° 6	8°14	29°56	20°45	1°57	3°55	11° 7	1° 9	26°52	7°33	8°13	27°24	n.a.	T 15
W16	3 17 23	18°54'54	3♊58	9°11	1♑ 7	21°21	1°53	4° 2	11° 8	1° 8	26°53	7°19	8° 9	27°31	n.a.	W16
T 17	3 21 20	19°56'07	15°49	10° 3	2°18	21°58	1°49	4° 8	11° 9	1° 7	26°54	7° 7	8° 6	27°37	n.a.	T 17
F 18	3 25 17	20°57'20	27°41	10°48	3°29	22°35	1°45	4°15	11°10	1° 6	26°55	6°58	8° 3	27°44	n.a.	F 18
S 19	3 29 13	21°58'34	9♋37	11°26	4°40	23°11	1°40	4°22	11°11	1° 5	26°56	6°52	8° 0	27°51	n.a.	S 19
S 20	3 33 10	22°59'48	21°40	11°56	5°51	23°48	1°35	4°29	11°13	1° 4	26°57	6°49	7°57	27°58	n.a.	S 20
M21	3 37 6	24° 1'03	3♌54	12°18	7° 1	24°25	1°30	4°36	11°14	1° 3	26°57	6°D48	7°54	28° 4	n.a.	M21
T 22	3 41 3	25° 2'19	16°24	12°29	8°11	25° 1	1°25	4°42	11°15	1° 2	26°58	6°48	7°50	28°11	n.a.	T 22
W23	3 44 59	26° 3'34	29°13	12°R30	9°22	25°38	1°20	4°49	11°17	1° 1	26°59	6°R48	7°47	28°18	n.a.	W23
T 24	3 48 56	27° 4'51	12♍28	12°19	10°32	26°15	1°14	4°56	11°18	1° 1	27° 0	6°47	7°44	28°24	n.a.	T 24
F 25	3 52 53	28° 6'07	26°11	11°57	11°42	26°51	1° 9	5° 2	11°20	1° 0	27° 1	6°44	7°41	28°31	n.a.	F 25
S 26	3 56 49	29° 7'25	10♎24	11°22	12°52	27°28	1° 3	5° 9	11°21	0°59	27° 2	6°38	7°38	28°38	n.a.	S 26
S 27	4 0 46	0♐ 8'42	25° 5	10°37	14° 2	28° 4	0°57	5°16	11°23	0°58	27° 3	6°30	7°34	28°45	n.a.	S 27
M28	4 4 42	1°10'00	10♏ 9	9°40	15°11	28°40	0°51	5°22	11°24	0°58	27° 4	6°20	7°31	28°51	n.a.	M28
T 29	4 8 39	2°11'18	25°27	8°35	16°21	29°17	0°45	5°29	11°26	0°57	27° 5	6°10	7°28	28°58	n.a.	T 29
W30	4 12 35	3♐12'36	10♐48	7♐22	17♑30	29♍53	0♋38	5♏35	11♒28	0♈56	27♑ 7	6♒ 0	7♒25	29♉ 5	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s53	22s 0	4s57	20s 3	2s12	24s48	2s 8	8n26	1n27	23n56	0n13	10s31	2n 2	18s25	0s45	1s15	2s 0	32s12	11s22	18s11	18s15	24n14		n.a.
W 2	13 14	25 27	4 35	20 29	2 15	24 58	2 9	8 12	1 27	23 56	0 13	10 34	2 2	18 25	0 45	1 16	2 0	32 12	11 21	18 14	18 16	24 16		n.a.
T 3	13 35	27 4	3 55	20 54	2 17	25 7	2 10	7 58	1 27	23 56	0 13	10 36	2 2	18 25	0 45	1 16	2 0	32 12	11 21	18 16	18 17	24 17		n.a.
F 4	13 55	26 43	2 59	21 18	2 19	25 16	2 12	7 43	1 27	23 57	0 13	10 38	2 2	18 25	0 45	1 17	2 0	32 11	11 21	18 18	18 18	24 19		n.a.
S 5	14 16	24 36	1 54	21 41	2 20	25 24	2 13	7 29	1 28	23 57	0 13	10 41	2 2	18 25	0 45	1 17	2 0	32 11	11 21	18 19	18 19	24 20		n.a.
S 6	14 35	21 4	0 44	22 2	2 21	25 32	2 14	7 15	1 28	23 57	0 13	10 43	2 2	18 24	0 44	1 18	2 0	32 11	11 21	18 19	18 19	24 21		n.a.
M 7	14 55	16 32	0n26	22 21	2 21	25 39	2 15	7 0	1 28	23 57	0 14	10 46	2 2	18 24	0 44	1 18	2 0	32 10	11 20	18 19	18 20	24 23		n.a.
T 8	15 15	11 20	1 33	22 39	2 21	25 44	2 16	6 46	1 28	23 57	0 14	10 48	2 2	18 24	0 44	1 19	2 0	32 10	11 20	18 19	18 21	24 24		n.a.
W 9	15 34	5 48	2 34	22 56	2 20	25 50	2 17	6 31	1 28	23 58	0 14	10 50	2 2	18 24	0 44	1 19	2 0	32 10	11 20	18 20	18 22	24 25		n.a.
T 10	15 53	0 9	3 26	23 10	2 18	25 54	2 17	6 17	1 28	23 58	0 14	10 53	2 2	18 24	0 44	1 20	2 0	32 9	11 20	18 21	18 23	24 27		n.a.
F 11	16 11	5n25	4 8	23 23	2 16	25 58	2 18	6 3	1 28	23 58	0 14	10 55	2 2	18 23	0 44	1 20	2 0	32 9	11 19	18 23	18 24	24 28		n.a.
S 12	16 30	10 43	4 38	23 34	2 13	26 1	2 19	5 48	1 29	23 58	0 14	10 58	2 2	18 23	0 44	1 20	1 59	32 9	11 19	18 26	18 24	24 30		n.a.
S 13	16 48	15 34	4 55	23 43	2 9	26 3	2 19	5 33	1 29	23 59	0 15	11 0	2 2	18 23	0 44	1 21	1 59	32 8	11 19	18 30	18 25	24 31		n.a.
M14	17 6	19 47	4 59	23 49	2 4	26 4	2 19	5 19	1 29	23 59	0 15	11 2	2 2	18 22	0 44	1 21	1 59	32 8	11 19	18 33	18 26	24 32		n.a.
T 15	17 23	23 11	4 50	23 54	1 58	26 5	2 20	5 4	1 29	23 59	0 15	11 5	2 2	18 22	0 44	1 22	1 59	32 7	11 18	18 37	18 27	24 33		n.a.
W16	17 40	25 36	4 28	23 56	1 51	26 4	2 20	4 50	1 29	23 59	0 15	11 7	2 2	18 22	0 44	1 22	1 59	32 7	11 18	18 41	18 28	24 35		n.a.
T 17	17 57	26 52	3 55	23 56	1 43	26 4	2 20	4 35	1 29	24 0	0 15	11 9	2 2	18 21	0 44	1 22	1 59	32 7	11 18	18 44	18 29	24 36		n.a.
F 18	18 14	26 55	3 11	23 53	1 33	26 2	2 20	4 21	1 29	24 0	0 16	11 12	2 2	18 21	0 44	1 23	1 59	32 6	11 18	18 46	18 29	24 37		n.a.
S 19	18 30	25 42	2 19	23 48	1 23	25 59	2 20	4 6	1 29	24 0	0 16	11 14	2 2	18 21	0 44	1 23	1 59	32 6	11 18	18 48	18 30	24 39		n.a.
S 20	18 46	23 17	1 19	23 41	1 11	25 56	2 19	3 51	1 29	24 0	0 16	11 16	2 2	18 20	0 44	1 23	1 59	32 5	11 17	18 49	18 31	24 40		n.a.
M21	19 1	19 47	0 15	23 30	0 57	25 52	2 19	3 37	1 30	24 0	0 16	11 18	2 2	18 20	0 44	1 24	1 59	32 5	11 17	18 49	18 32	24 41		n.a.
T 22	19 16	15 19	0s51	23 17	0 43	25 48	2 18	3 22	1 30	24 1	0 16	11 21	2 2	18 20	0 44	1 24	1 59	32 5	11 17	18 49	18 33	24 43		n.a.
W23	19 31	10 5	1 56	23 1	0 26	25 42	2 18	3 8	1 30	24 1	0 16	11 23	2 2	18 19	0 44	1 24	1 59	32 4	11 17	18 49	18 34	24 44		n.a.
T 24	19 46	4 14	2 57	22 43	0 9	25 36	2 17	2 53	1 30	24 1	0 17	11 25	2 2	18 19	0 44	1 24	1 59	32 4	11 17	18 49	18 34	24 45		n.a.
F 25	20 0	1s59	3 51	22 22	0n 9	25 29	2 16	2 38	1 30	24 1	0 17	11 27	2 2	18 18	0 44	1 25	1 59	32 3	11 16	18 50	18 35	24 46		n.a.
S 26	20 13	8 20	4 32	21 58	0 28	25 22	2 15	2 24	1 30	24 2	0 17	11 30	2 2	18 18	0 44	1 25	1 59	32 3	11 16	18 51	18 36	24 48		n.a.
S 27	20 27	14 25	4 57	21 32	0 48	25 13	2 14	2 9	1 30	24 2	0 17	11 32	2 2	18 17	0 44	1 25	1 59	32 3	11 16	18 53	18 37	24 49		n.a.
M28	20 40	19 49	5 2	21 4	1 8	25 4	2 13	1 55	1 30	24 2	0 17	11 34	2 2	18 17	0 44	1 25	1 59	32 2	11 16	18 56	18 38	24 50		n.a.
T 29	20 52	24 0	4 46	20 34	1 28	24 55	2 12	1 40	1 30	24 2	0 17	11 36	2 2	18 16	0 44	1 26	1 59	32 2	11 16	18 58	18 38	24 51		n.a.
W30	21s 4	26s28	4s 9	20s 3	1n48	24s44	2s10	1n25	1n30	24n 2	0n18	11s38	2n 2	18s16	0s44	1s26	1s58	32s 1	11s15	19s 1	18s39	24n52		n.a.

Julian Day Number = 1564304.5, Delta T = 04h22m02s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'47, Lahiri = - 9°53'47 Julian Calendar 1 Nov. 431 BCE == Greg. Calendar 27 Oct. 431 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 431 BCE
geocentric

DECEMBER 431 BCE (-430) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 16 32	4♐13'54	26♐ 1	6°R 3	18♑40	0♎30	0°R32	5♏42	11♒29	0°R56	27♑ 8	5°R53	7♒22	29♉11	n.a.	T 1
F 2	4 20 28	5°15'12	10♑54	4♐43	19°49	1° 6	0♋25	5°48	11°31	0♈55	27° 9	5♒47	7°19	29°18	n.a.	F 2
S 3	4 24 25	6°16'30	25°22	3°22	20°58	1°42	0°19	5°55	11°33	0°55	27°10	5°45	7°15	29°25	n.a.	S 3
S 4	4 28 22	7°17'47	9♒21	2° 4	22° 7	2°18	0°12	6° 1	11°35	0°54	27°11	5°D45	7°12	29°32	n.a.	S 4
M 5	4 32 18	8°19'03	22°51	0°50	23°15	2°55	0° 5	6° 7	11°37	0°54	27°12	5°45	7° 9	29°38	n.a.	M 5
T 6	4 36 15	9°20'19	5♓56	29♏44	24°24	3°31	29♊58	6°13	11°39	0°53	27°14	5°R46	7° 6	29°45	n.a.	T 6
W 7	4 40 11	10°21'34	18°38	28°46	25°32	4° 7	29°51	6°20	11°41	0°53	27°15	5°46	7° 3	29°52	n.a.	W 7
T 8	4 44 8	11°22'49	1♈ 2	27°57	26°40	4°43	29°43	6°26	11°43	0°53	27°16	5°43	6°59	29°58	n.a.	T 8
F 9	4 48 4	12°24'02	13°13	27°18	27°48	5°19	29°36	6°32	11°45	0°52	27°17	5°39	6°56	0♊ 5	n.a.	F 9
S 10	4 52 1	13°25'16	25°15	26°49	28°56	5°55	29°29	6°38	11°47	0°52	27°19	5°32	6°53	0°12	n.a.	S 10
S 11	4 55 58	14°26'28	7♉11	26°30	0♒ 3	6°31	29°21	6°44	11°49	0°52	27°20	5°23	6°50	0°19	n.a.	S 11
M12	4 59 54	15°27'40	19° 3	26°20	1°11	7° 7	29°14	6°50	11°51	0°52	27°21	5°13	6°47	0°25	n.a.	M12
T 13	5 3 51	16°28'51	0♊55	26°D19	2°18	7°42	29° 6	6°56	11°54	0°52	27°22	5° 3	6°44	0°32	n.a.	T 13
W14	5 7 47	17°30'02	12°47	26°27	3°25	8°18	28°58	7° 2	11°56	0°51	27°24	4°53	6°40	0°39	n.a.	W14
T 15	5 11 44	18°31'12	24°42	26°42	4°31	8°54	28°50	7° 8	11°58	0°51	27°25	4°45	6°37	0°45	n.a.	T 15
F 16	5 15 40	19°32'22	6♋41	27° 4	5°38	9°30	28°43	7°14	12° 1	0°51	27°27	4°39	6°34	0°52	n.a.	F 16
S 17	5 19 37	20°33'30	18°45	27°32	6°44	10° 5	28°35	7°19	12° 3	0°D51	27°28	4°36	6°31	0°59	n.a.	S 17
S 18	5 23 33	21°34'38	0♌56	28° 7	7°49	10°41	28°27	7°25	12° 5	0°51	27°29	4°D34	6°28	1° 6	n.a.	S 18
M19	5 27 30	22°35'46	13°18	28°46	8°55	11°17	28°19	7°31	12° 8	0°51	27°31	4°34	6°25	1°12	n.a.	M19
T 20	5 31 27	23°36'53	25°53	29°31	10° 0	11°52	28°11	7°36	12°10	0°51	27°32	4°36	6°21	1°19	n.a.	T 20
W21	5 35 23	24°37'59	8♍45	0♐19	11° 5	12°28	28° 3	7°42	12°13	0°52	27°34	4°37	6°18	1°26	n.a.	W21
T 22	5 39 20	25°39'05	21°56	1°12	12°10	13° 3	27°55	7°47	12°15	0°52	27°35	4°R38	6°15	1°32	n.a.	T 22
F 23	5 43 16	26°40'09	5♎31	2° 7	13°15	13°39	27°47	7°53	12°18	0°52	27°37	4°38	6°12	1°39	n.a.	F 23
S 24	5 47 13	27°41'14	19°30	3° 7	14°19	14°14	27°39	7°58	12°21	0°52	27°38	4°36	6° 9	1°46	n.a.	S 24
S 25	5 51 9	28°42'17	3♏54	4° 8	15°23	14°49	27°31	8° 3	12°23	0°52	27°40	4°33	6° 5	1°53	n.a.	S 25
M26	5 55 6	29°43'20	18°39	5°13	16°26	15°24	27°23	8° 9	12°26	0°53	27°41	4°28	6° 2	1°59	n.a.	M26
T 27	5 59 2	0♑44'22	3♐40	6°20	17°30	16° 0	27°15	8°14	12°29	0°53	27°43	4°23	5°59	2° 6	n.a.	T 27
W28	6 2 59	1°45'24	18°48	7°29	18°32	16°35	27° 7	8°19	12°32	0°53	27°44	4°18	5°56	2°13	n.a.	W28
T 29	6 6 56	2°46'24	3♑53	8°40	19°35	17°10	26°59	8°24	12°34	0°54	27°46	4°14	5°53	2°19	n.a.	T 29
F 30	6 10 52	3°47'23	18°46	9°53	20°37	17°45	26°51	8°29	12°37	0°54	27°47	4°11	5°50	2°26	n.a.	F 30
S 31	6 14 49	4♑48'20	3♒19	11♐ 7	21♒39	18♎20	26♊43	8♏34	12♒40	0♈55	27♑49	4°D10	5♒46	2♊33	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21s16	26s56	3s15	19s32	2n 6	24s33	2s 9	1n11	1n30	24n 3	0n18	11s40	2n 2	18s15	0s44	1s26	1s58	32s 1	11s15	19s 3	18s40	24n54		n.a.
F 2	21 27	25 26	2 9	19 1	2 22	24 21	2 7	0 56	1 30	24 3	0 18	11 42	2 2	18 15	0 44	1 26	1 58	32 1	11 15	19 4	18 41	24 55		n.a.
S 3	21 38	22 15	0 55	18 32	2 37	24 9	2 5	0 42	1 30	24 3	0 18	11 44	2 2	18 14	0 44	1 26	1 58	32 0	11 15	19 5	18 42	24 56		n.a.
S 4	21 49	17 50	0n19	18 5	2 49	23 56	2 3	0 27	1 30	24 3	0 18	11 46	2 2	18 14	0 44	1 26	1 58	32 0	11 15	19 5	18 43	24 57		n.a.
M 5	21 59	12 39	1 30	17 40	2 59	23 42	2 1	0 13	1 31	24 3	0 19	11 49	2 2	18 13	0 43	1 26	1 58	31 59	11 15	19 5	18 43	24 58		n.a.
T 6	22 8	7 4	2 34	17 19	3 7	23 28	1 59	0s 2	1 31	24 4	0 19	11 51	2 3	18 13	0 43	1 27	1 58	31 59	11 14	19 4	18 44	25 0		n.a.
W 7	22 17	1 21	3 29	17 1	3 12	23 13	1 57	0 16	1 31	24 4	0 19	11 53	2 3	18 12	0 43	1 27	1 58	31 59	11 14	19 4	18 45	25 1		n.a.
T 8	22 26	4n16	4 12	16 48	3 15	22 58	1 54	0 31	1 31	24 4	0 19	11 55	2 3	18 11	0 43	1 27	1 58	31 58	11 14	19 5	18 46	25 2		n.a.
F 9	22 34	9 37	4 43	16 38	3 16	22 41	1 52	0 45	1 31	24 4	0 19	11 56	2 3	18 11	0 43	1 27	1 58	31 58	11 14	19 6	18 47	25 3		n.a.
S 10	22 42	14 33	5 1	16 32	3 15	22 25	1 49	1 0	1 31	24 4	0 19	11 58	2 3	18 10	0 43	1 27	1 58	31 57	11 14	19 8	18 47	25 4		n.a.
S 11	22 50	18 53	5 6	16 30	3 13	22 8	1 46	1 14	1 31	24 4	0 20	12 0	2 3	18 10	0 43	1 27	1 58	31 57	11 14	19 10	18 48	25 5		n.a.
M12	22 57	22 28	4 57	16 31	3 9	21 50	1 43	1 28	1 31	24 4	0 20	12 2	2 3	18 9	0 43	1 27	1 58	31 56	11 13	19 13	18 49	25 6		n.a.
T 13	23 3	25 6	4 36	16 36	3 4	21 32	1 40	1 43	1 31	24 5	0 20	12 4	2 3	18 8	0 43	1 27	1 58	31 56	11 13	19 15	18 50	25 8		n.a.
W14	23 9	26 38	4 2	16 44	2 58	21 13	1 37	1 57	1 31	24 5	0 20	12 6	2 3	18 8	0 43	1 27	1 58	31 56	11 13	19 17	18 51	25 9		n.a.
T 15	23 15	26 56	3 18	16 54	2 51	20 53	1 33	2 11	1 31	24 5	0 20	12 8	2 3	18 7	0 43	1 27	1 58	31 55	11 13	19 19	18 51	25 10		n.a.
F 16	23 20	25 59	2 25	17 6	2 44	20 34	1 30	2 25	1 31	24 5	0 20	12 10	2 3	18 6	0 43	1 27	1 57	31 55	11 13	19 21	18 52	25 11		n.a.
S 17	23 24	23 49	1 25	17 20	2 36	20 13	1 26	2 40	1 31	24 5	0 20	12 11	2 3	18 5	0 43	1 27	1 57	31 54	11 13	19 22	18 53	25 12		n.a.
S 18	23 29	20 32	0 20	17 36	2 27	19 53	1 23	2 54	1 31	24 5	0 21	12 13	2 3	18 5	0 43	1 27	1 57	31 54	11 13	19 22	18 54	25 13		n.a.
M19	23 32	16 17	0s47	17 53	2 19	19 32	1 19	3 8	1 31	24 5	0 21	12 15	2 4	18 4	0 43	1 27	1 57	31 53	11 13	19 22	18 55	25 14		n.a.
T 20	23 36	11 17	1 53	18 12	2 10	19 10	1 15	3 22	1 31	24 5	0 21	12 17	2 4	18 3	0 43	1 27	1 57	31 53	11 12	19 22	18 56	25 15		n.a.
W21	23 38	5 42	2 55	18 31	2 1	18 48	1 11	3 36	1 31	24 5	0 21	12 18	2 4	18 3	0 43	1 27	1 57	31 53	11 12	19 21	18 56	25 16		n.a.
T 22	23 41	0s16	3 49	18 51	1 51	18 26	1 6	3 50	1 30	24 5	0 21	12 20	2 4	18 2	0 43	1 26	1 57	31 52	11 12	19 21	18 57	25 17		n.a.
F 23	23 42	6 22	4 32	19 11	1 42	18 3	1 2	4 4	1 30	24 5	0 21	12 22	2 4	18 1	0 43	1 26	1 57	31 52	11 12	19 21	18 58	25 18		n.a.
S 24	23 44	12 21	5 1	19 32	1 33	17 40	0 57	4 18	1 30	24 5	0 22	12 23	2 4	18 0	0 43	1 26	1 57	31 51	11 12	19 22	18 59	25 19		n.a.
S 25	23 45	17 51	5 11	19 53	1 24	17 16	0 53	4 32	1 30	24 5	0 22	12 25	2 4	17 59	0 43	1 26	1 57	31 51	11 12	19 22	19 0	25 20		n.a.
M26	23 45	22 25	5 2	20 14	1 14	16 52	0 48	4 45	1 30	24 5	0 22	12 27	2 4	17 59	0 43	1 26	1 57	31 51	11 12	19 24	19 0	25 21		n.a.
T 27	23 45	25 36	4 32	20 35	1 5	16 28	0 43	4 59	1 30	24 5	0 22	12 28	2 4	17 58	0 43	1 26	1 57	31 50	11 12	19 25	19 1	25 22		n.a.
W28	23 44	26 58	3 43	20 55	0 56	16 4	0 38	5 13	1 30	24 5	0 22	12 30	2 5	17 57	0 43	1 25	1 57	31 50	11 12	19 26	19 2	25 23		n.a.
T 29	23 43	26 19	2 38	21 16	0 47	15 39	0 33	5 27	1 30	24 5	0 22	12 31	2 5	17 56	0 43	1 25	1 57	31 49	11 12	19 27	19 3	25 24		n.a.
F 30	23 42	23 47	1 23	21 36	0 38	15 14	0 27	5 40	1 30	24 5	0 22	12 33	2 5	17 55	0 43	1 25	1 57	31 49	11 12	19 28	19 3	25 25		n.a.
S 31	23s40	19s44	0s 5	21s55	0n29	14s49	0s22	5s54	1n30	24n 5	0n23	12s34	2n 5	17s55	0s43	1s25	1s57	31s48	11s11	19s28	19s 4	25n26		n.a.

Julian Day Number = 1564334.5, Delta T = 04h22m01s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'43, Lahiri = - 9°53'43 Julian Calendar 1 Dec. 431 BCE == Greg. Calendar 26 Nov. 431 BCE

The year -430 astronomical counting style corresponds to year 431 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

JANUARY 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 18 45	5♑49'17	17♒27	12♐23	22♒40	18♎55	26°R35	8♏39	12♒43	0♈55	27♑51	4♒11	5♒43	2♊39	n.a.	S 1
M 2	6 22 42	6°50'11	1♓ 8	13°41	23°41	19°29	26♊27	8°43	12°46	0°56	27°52	4°12	5°40	2°46	n.a.	M 2
T 3	6 26 38	7°51'04	14°22	15° 0	24°42	20° 4	26°19	8°48	12°49	0°56	27°54	4°14	5°37	2°53	n.a.	T 3
W 4	6 30 35	8°51'56	27°11	16°20	25°42	20°39	26°12	8°53	12°52	0°57	27°55	4°15	5°34	3° 0	n.a.	W 4
T 5	6 34 32	9°52'45	9♈40	17°41	26°41	21°13	26° 4	8°57	12°55	0°57	27°57	4°R16	5°31	3° 6	n.a.	T 5
F 6	6 38 28	10°53'33	21°53	19° 4	27°40	21°48	25°56	9° 2	12°58	0°58	27°59	4°15	5°27	3°13	n.a.	F 6
S 7	6 42 25	11°54'20	3♉54	20°27	28°39	22°22	25°49	9° 6	13° 1	0°59	28° 0	4°14	5°24	3°20	n.a.	S 7
S 8	6 46 21	12°55'05	15°48	21°52	29°37	22°57	25°42	9°10	13° 4	0°59	28° 2	4°11	5°21	3°26	n.a.	S 8
M 9	6 50 18	13°55'48	27°39	23°18	0♓35	23°31	25°34	9°14	13° 7	1° 0	28° 4	4° 8	5°18	3°33	n.a.	M 9
T 10	6 54 14	14°56'29	9♊30	24°44	1°32	24° 5	25°27	9°19	13°10	1° 1	28° 5	4° 5	5°15	3°40	n.a.	T 10
W11	6 58 11	15°57'09	21°24	26°12	2°28	24°39	25°20	9°23	13°13	1° 2	28° 7	4° 1	5°11	3°47	n.a.	W11
T 12	7 2 7	16°57'47	3♋25	27°41	3°24	25°13	25°13	9°27	13°16	1° 3	28° 9	3°59	5° 8	3°53	n.a.	T 12
F 13	7 6 4	17°58'23	15°32	29°10	4°19	25°47	25° 6	9°31	13°20	1° 4	28°10	3°57	5° 5	4° 0	n.a.	F 13
S 14	7 10 1	18°58'58	27°49	0♑41	5°14	26°21	24°59	9°34	13°23	1° 5	28°12	3°D56	5° 2	4° 7	n.a.	S 14
S 15	7 13 57	19°59'31	10♌16	2°12	6° 8	26°55	24°52	9°38	13°26	1° 6	28°14	3°56	4°59	4°13	n.a.	S 15
M16	7 17 54	21° 0'02	22°55	3°45	7° 1	27°29	24°46	9°42	13°29	1° 7	28°15	3°57	4°56	4°20	n.a.	M16
T 17	7 21 50	22° 0'32	5♍46	5°18	7°54	28° 2	24°39	9°45	13°32	1° 8	28°17	3°58	4°52	4°27	n.a.	T 17
W18	7 25 47	23° 1'00	18°51	6°52	8°45	28°36	24°33	9°49	13°36	1° 9	28°19	3°59	4°49	4°34	n.a.	W18
T 19	7 29 43	24° 1'27	2♎12	8°27	9°36	29° 9	24°27	9°52	13°39	1°10	28°20	4° 0	4°46	4°40	n.a.	T 19
F 20	7 33 40	25° 1'52	15°49	10° 4	10°27	29°43	24°21	9°56	13°42	1°11	28°22	4° 1	4°43	4°47	n.a.	F 20
S 21	7 37 36	26° 2'16	29°42	11°41	11°16	0♏16	24°15	9°59	13°45	1°12	28°24	4°R 1	4°40	4°54	n.a.	S 21
S 22	7 41 33	27° 2'39	13♏52	13°19	12° 5	0°49	24° 9	10° 2	13°49	1°13	28°25	4° 0	4°37	5° 0	n.a.	S 22
M23	7 45 30	28° 2'59	28°16	14°57	12°53	1°22	24° 4	10° 5	13°52	1°14	28°27	4° 0	4°33	5° 7	n.a.	M23
T 24	7 49 26	29° 3'19	12♐51	16°37	13°39	1°55	23°58	10° 8	13°55	1°16	28°29	3°59	4°30	5°14	n.a.	T 24
W25	7 53 23	0♒ 3'37	27°33	18°18	14°25	2°28	23°53	10°11	13°59	1°17	28°30	3°59	4°27	5°20	n.a.	W25
T 26	7 57 19	1° 3'53	12♑14	20° 0	15°10	3° 1	23°48	10°14	14° 2	1°18	28°32	3°58	4°24	5°27	n.a.	T 26
F 27	8 1 16	2° 4'07	26°49	21°43	15°54	3°34	23°43	10°17	14° 6	1°20	28°34	3°58	4°21	5°34	n.a.	F 27
S 28	8 5 12	3° 4'19	11♒11	23°27	16°37	4° 6	23°38	10°19	14° 9	1°21	28°36	3°D58	4°17	5°41	n.a.	S 28
S 29	8 9 9	4° 4'29	25°14	25°12	17°19	4°39	23°33	10°22	14°12	1°22	28°37	3°R58	4°14	5°47	n.a.	S 29
M30	8 13 5	5° 4'37	8♓55	26°58	17°59	5°11	23°29	10°24	14°16	1°24	28°39	3°58	4°11	5°54	n.a.	M30
T 31	8 17 2	6♒ 4'43	22♓13	28♑45	18♓38	5♏43	23♊25	10♏27	14♒19	1♈25	28♑41	3♒58	4♒ 8	6♊ 1	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s37	14s39	1n12	22s14	0n21	14s24	0s16	6s 7	1n30	24n 5	0n23	12s36	2n 5	17s54	0s43	1s24	1s56	31s48	11s11	19s28	19s 5	25n27			n.a.
M 2	23 34	9 0	2 23	22 32	0 12	13 58	0 11	6 21	1 30	24 5	0 23	12 37	2 5	17 53	0 43	1 24	1 56	31 48	11 11	19 27	19 6	25 28			n.a.
T 3	23 31	3 7	3 23	22 50	0 4	13 32	0 5	6 34	1 29	24 5	0 23	12 38	2 5	17 52	0 43	1 24	1 56	31 47	11 11	19 27	19 7	25 29			n.a.
W 4	23 27	2n42	4 11	23 7	0s 4	13 6	0n 1	6 47	1 29	24 5	0 23	12 40	2 5	17 51	0 43	1 24	1 56	31 47	11 11	19 27	19 7	25 30			n.a.
T 5	23 23	8 15	4 46	23 22	0 12	12 40	0 7	7 0	1 29	24 5	0 23	12 41	2 6	17 50	0 43	1 23	1 56	31 46	11 11	19 26	19 8	25 31			n.a.
F 6	23 18	13 22	5 7	23 37	0 20	12 13	0 14	7 14	1 29	24 4	0 23	12 42	2 6	17 49	0 43	1 23	1 56	31 46	11 11	19 27	19 9	25 32			n.a.
S 7	23 12	17 54	5 14	23 52	0 28	11 47	0 20	7 27	1 29	24 4	0 23	12 44	2 6	17 48	0 43	1 23	1 56	31 46	11 11	19 27	19 10	25 33			n.a.
S 8	23 7	21 41	5 8	24 5	0 35	11 20	0 27	7 40	1 29	24 4	0 24	12 45	2 6	17 48	0 43	1 22	1 56	31 45	11 11	19 28	19 11	25 34			n.a.
M 9	23 1	24 34	4 49	24 17	0 42	10 53	0 33	7 53	1 28	24 4	0 24	12 46	2 6	17 47	0 43	1 22	1 56	31 45	11 11	19 28	19 11	25 35			n.a.
T 10	22 54	26 23	4 17	24 27	0 49	10 27	0 40	8 6	1 28	24 4	0 24	12 47	2 6	17 46	0 43	1 21	1 56	31 45	11 11	19 29	19 12	25 36			n.a.
W11	22 47	27 1	3 34	24 37	0 55	10 0	0 47	8 18	1 28	24 4	0 24	12 48	2 6	17 45	0 43	1 21	1 56	31 44	11 11	19 30	19 13	25 37			n.a.
T 12	22 39	26 23	2 41	24 45	1 2	9 33	0 54	8 31	1 28	24 4	0 24	12 50	2 7	17 44	0 43	1 21	1 56	31 44	11 11	19 31	19 14	25 38			n.a.
F 13	22 31	24 29	1 40	24 53	1 8	9 6	1 1	8 44	1 28	24 3	0 24	12 51	2 7	17 43	0 43	1 20	1 56	31 43	11 11	19 31	19 14	25 39			n.a.
S 14	22 23	21 25	0 34	24 59	1 14	8 39	1 9	8 57	1 27	24 3	0 24	12 52	2 7	17 42	0 43	1 20	1 56	31 43	11 11	19 31	19 15	25 40			n.a.
S 15	22 14	17 20	0s35	25 3	1 19	8 12	1 16	9 9	1 27	24 3	0 24	12 53	2 7	17 41	0 43	1 19	1 56	31 43	11 11	19 31	19 16	25 40			n.a.
M16	22 5	12 26	1 43	25 6	1 25	7 45	1 24	9 22	1 27	24 3	0 24	12 54	2 7	17 40	0 43	1 19	1 56	31 42	11 11	19 31	19 17	25 41			n.a.
T 17	21 55	6 55	2 47	25 8	1 30	7 18	1 31	9 34	1 27	24 3	0 25	12 55	2 7	17 39	0 43	1 18	1 55	31 42	11 11	19 31	19 18	25 42			n.a.
W18	21 45	1 2	3 44	25 8	1 34	6 52	1 39	9 46	1 26	24 3	0 25	12 56	2 7	17 38	0 43	1 18	1 55	31 42	11 11	19 30	19 18	25 43			n.a.
T 19	21 35	5s 0	4 30	25 7	1 39	6 25	1 47	9 58	1 26	24 3	0 25	12 57	2 8	17 37	0 43	1 17	1 55	31 41	11 11	19 30	19 19	25 44			n.a.
F 20	21 24	10 55	5 1	25 4	1 43	5 58	1 55	10 11	1 26	24 2	0 25	12 58	2 8	17 36	0 43	1 17	1 55	31 41	11 11	19 30	19 20	25 45			n.a.
S 21	21 13	16 25	5 16	25 0	1 46	5 32	2 3	10 23	1 26	24 2	0 25	12 59	2 8	17 35	0 43	1 16	1 55	31 41	11 11	19 30	19 21	25 45			n.a.
S 22	21 1	21 10	5 12	24 54	1 50	5 6	2 12	10 35	1 25	24 2	0 25	12 59	2 8	17 34	0 43	1 16	1 55	31 40	11 11	19 30	19 21	25 46			n.a.
M23	20 49	24 43	4 49	24 46	1 53	4 39	2 20	10 47	1 25	24 2	0 25	13 0	2 8	17 33	0 43	1 15	1 55	31 40	11 11	19 30	19 22	25 47			n.a.
T 24	20 37	26 43	4 7	24 37	1 56	4 14	2 29	10 58	1 25	24 2	0 25	13 1	2 8	17 32	0 43	1 15	1 55	31 40	11 11	19 30	19 23	25 48			n.a.
W25	20 24	26 52	3 9	24 26	1 58	3 48	2 37	11 10	1 24	24 2	0 25	13 2	2 9	17 31	0 43	1 14	1 55	31 39	11 11	19 31	19 24	25 49			n.a.
T 26	20 11	25 8	1 58	24 13	2 0	3 22	2 46	11 22	1 24	24 1	0 25	13 3	2 9	17 30	0 43	1 14	1 55	31 39	11 11	19 31	19 25	25 50			n.a.
F 27	19 57	21 43	0 40	23 58	2 1	2 57	2 55	11 33	1 24	24 1	0 25	13 3	2 9	17 29	0 42	1 13	1 55	31 39	11 11	19 31	19 25	25 50			n.a.
S 28	19 43	17 0	0n40	23 42	2 2	2 32	3 4	11 45	1 23	24 1	0 26	13 4	2 9	17 28	0 42	1 13	1 55	31 38	11 11	19 31	19 26	25 51			n.a.
S 29	19 29	11 28	1 55	23 23	2 3	2 7	3 13	11 56	1 23	24 1	0 26	13 5	2 9	17 27	0 42	1 12	1 55	31 38	11 12	19 31	19 27	25 52			n.a.
M30	19 15	5 31	3 2	23 3	2 3	1 43	3 22	12 8	1 22	24 1	0 26	13 5	2 9	17 26	0 42	1 11	1 55	31 38	11 12	19 31	19 28	25 53			n.a.
T 31	19s 0	0n30	3n57	22s41	2s 3	1s19	3n31	12s19	1n22	24n 1	0n26	13s 6	2n10	17s25	0s42	1s11	1s55	31s37	11s12	19s31	19s28	25n53			n.a.

Julian Day Number = 1564365.5, Delta T = 04h22m00s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'39, Lahiri = - 9°53'38 Julian Calendar 1 Jan. 430 BCE == Greg. Calendar 27 Dec. 431 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

FEBRUARY 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 20 59	7♒ 4'47	5♈ 8	0♒34	19♓17	6♏15	23°R20	10♏29	14♒23	1♈27	28♑42	3°R58	4♒ 5	6♊ 7	n.a.	W 1
T 2	8 24 55	8° 4'48	17°42	2°23	19°53	6°47	23♊16	10°31	14°26	1°28	28°44	3♒57	4° 2	6°14	n.a.	T 2
F 3	8 28 52	9° 4'47	29°59	4°13	20°29	7°19	23°13	10°33	14°29	1°30	28°46	3°57	3°58	6°21	n.a.	F 3
S 4	8 32 48	10° 4'44	12♉ 3	6° 5	21° 3	7°51	23° 9	10°35	14°33	1°31	28°47	3°D57	3°55	6°27	n.a.	S 4
S 5	8 36 45	11° 4'38	23°58	7°57	21°36	8°22	23° 6	10°37	14°36	1°33	28°49	3°57	3°52	6°34	n.a.	S 5
M 6	8 40 41	12° 4'31	5♊49	9°51	22° 7	8°53	23° 2	10°39	14°40	1°34	28°51	3°58	3°49	6°41	n.a.	M 6
T 7	8 44 38	13° 4'21	17°41	11°45	22°36	9°25	22°59	10°40	14°43	1°36	28°52	3°59	3°46	6°48	n.a.	T 7
W 8	8 48 34	14° 4'08	29°37	13°41	23° 4	9°56	22°57	10°42	14°47	1°37	28°54	4° 0	3°43	6°54	n.a.	W 8
T 9	8 52 31	15° 3'54	11♋42	15°37	23°30	10°27	22°54	10°43	14°50	1°39	28°56	4° 1	3°39	7° 1	n.a.	T 9
F 10	8 56 28	16° 3'37	23°59	17°34	23°55	10°58	22°51	10°45	14°53	1°41	28°57	4° 1	3°36	7° 8	n.a.	F 10
S 11	9 0 24	17° 3'18	6♌29	19°33	24°17	11°28	22°49	10°46	14°57	1°43	28°59	4°R 2	3°33	7°14	n.a.	S 11
S 12	9 4 21	18° 2'56	19°15	21°31	24°38	11°59	22°47	10°47	15° 0	1°44	29° 0	4° 1	3°30	7°21	n.a.	S 12
M13	9 8 17	19° 2'33	2♍15	23°31	24°57	12°29	22°45	10°48	15° 4	1°46	29° 2	4° 0	3°27	7°28	n.a.	M13
T 14	9 12 14	20° 2'07	15°31	25°30	25°13	12°59	22°43	10°49	15° 7	1°48	29° 4	3°58	3°23	7°35	n.a.	T 14
W15	9 16 10	21° 1'39	29° 0	27°30	25°28	13°30	22°42	10°50	15°10	1°50	29° 5	3°56	3°20	7°41	n.a.	W15
T 16	9 20 7	22° 1'10	12♎41	29°30	25°41	13°59	22°40	10°51	15°14	1°51	29° 7	3°53	3°17	7°48	n.a.	T 16
F 17	9 24 3	23° 0'38	26°33	1♓30	25°51	14°29	22°39	10°52	15°17	1°53	29° 8	3°51	3°14	7°55	n.a.	F 17
S 18	9 28 0	24° 0'05	10♏34	3°29	25°59	14°59	22°38	10°52	15°21	1°55	29°10	3°50	3°11	8° 1	n.a.	S 18
S 19	9 31 56	24°59'30	24°41	5°27	26° 5	15°28	22°38	10°53	15°24	1°57	29°12	3°D49	3° 8	8° 8	n.a.	S 19
M20	9 35 53	25°58'53	8♐54	7°24	26° 9	15°57	22°37	10°53	15°28	1°59	29°13	3°49	3° 4	8°15	n.a.	M20
T 21	9 39 50	26°58'14	23° 8	9°19	26°R10	16°26	22°37	10°54	15°31	2° 1	29°15	3°51	3° 1	8°21	n.a.	T 21
W22	9 43 46	27°57'34	7♑24	11°12	26° 9	16°55	22°D36	10°54	15°34	2° 3	29°16	3°52	2°58	8°28	n.a.	W22
T 23	9 47 43	28°56'51	21°36	13° 3	26° 5	17°23	22°36	10°54	15°38	2° 5	29°18	3°53	2°55	8°35	n.a.	T 23
F 24	9 51 39	29°56'06	5♒43	14°51	25°59	17°52	22°37	10°R54	15°41	2° 7	29°19	3°R54	2°52	8°41	n.a.	F 24
S 25	9 55 36	0♓55'20	19°41	16°36	25°50	18°20	22°37	10°54	15°44	2° 9	29°21	3°53	2°49	8°48	n.a.	S 25
S 26	9 59 32	1°54'31	3♓25	18°17	25°39	18°48	22°38	10°54	15°48	2°11	29°22	3°51	2°45	8°55	n.a.	S 26
M27	10 3 29	2°53'40	16°54	19°54	25°25	19°16	22°38	10°53	15°51	2°13	29°24	3°47	2°42	9° 2	n.a.	M27
T 28	10 7 25	3♓52'47	0♈ 5	21♓26	25♓ 9	19♏43	22♊39	10♏53	15♒54	2♈15	29♑25	3♒42	2♒39	9♊ 8	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s44	6n18	4n38	22s17	2s 3	0s55	3n41	12s30	1n21	24n 1	0n26	13s 6	2n10	17s24	0s42	1s10	1s55	31s37	11s12	19s31	19s29	25n54		n.a.
T 2	18 29	11 43	5 5	21 51	2 1	0 32	3 50	12 41	1 21	24 0	0 26	13 7	2 10	17 23	0 42	1 9	1 55	31 37	11 12	19 31	19 30	25 55		n.a.
F 3	18 13	16 32	5 16	21 23	2 0	0 9	3 59	12 52	1 21	24 0	0 26	13 7	2 10	17 22	0 42	1 9	1 55	31 36	11 12	19 31	19 31	25 56		n.a.
S 4	17 57	20 37	5 14	20 54	1 58	0n13	4 9	13 3	1 20	24 0	0 26	13 8	2 10	17 21	0 42	1 8	1 54	31 36	11 12	19 31	19 31	25 56		n.a.
S 5	17 40	23 49	4 58	20 22	1 55	0 35	4 19	13 13	1 20	24 0	0 26	13 8	2 10	17 20	0 42	1 7	1 54	31 36	11 12	19 31	19 32	25 57		n.a.
M 6	17 24	25 58	4 30	19 48	1 52	0 56	4 28	13 24	1 19	24 0	0 26	13 8	2 11	17 19	0 42	1 7	1 54	31 36	11 12	19 31	19 33	25 58		n.a.
T 7	17 7	26 59	3 50	19 13	1 48	1 17	4 38	13 35	1 19	24 0	0 26	13 9	2 11	17 18	0 42	1 6	1 54	31 35	11 12	19 31	19 34	25 59		n.a.
W 8	16 49	26 44	2 59	18 35	1 44	1 37	4 48	13 45	1 18	24 0	0 26	13 9	2 11	17 17	0 42	1 5	1 54	31 35	11 12	19 30	19 34	25 59		n.a.
T 9	16 32	25 14	2 1	17 56	1 39	1 56	4 58	13 55	1 17	24 0	0 26	13 9	2 11	17 16	0 42	1 5	1 54	31 35	11 13	19 30	19 35	26 0		n.a.
F 10	16 14	22 30	0 55	17 14	1 33	2 15	5 7	14 6	1 17	24 0	0 26	13 10	2 11	17 15	0 42	1 4	1 54	31 35	11 13	19 30	19 36	26 1		n.a.
S 11	15 55	18 40	0s14	16 31	1 27	2 33	5 17	14 16	1 16	24 0	0 27	13 10	2 12	17 14	0 42	1 3	1 54	31 34	11 13	19 30	19 37	26 1		n.a.
S 12	15 37	13 56	1 23	15 47	1 20	2 50	5 27	14 26	1 16	23 59	0 27	13 10	2 12	17 13	0 42	1 2	1 54	31 34	11 13	19 30	19 37	26 2		n.a.
M13	15 18	8 29	2 30	15 0	1 13	3 6	5 37	14 36	1 15	23 59	0 27	13 10	2 12	17 12	0 42	1 2	1 54	31 34	11 13	19 30	19 38	26 3		n.a.
T 14	15 0	2 34	3 30	14 12	1 5	3 22	5 46	14 46	1 14	23 59	0 27	13 11	2 12	17 11	0 42	1 1	1 54	31 34	11 13	19 31	19 39	26 3		n.a.
W15	14 40	3s33	4 19	13 23	0 56	3 37	5 56	14 55	1 14	23 59	0 27	13 11	2 12	17 10	0 42	1 0	1 54	31 33	11 13	19 31	19 40	26 4		n.a.
T 16	14 21	9 34	4 54	12 32	0 47	3 50	6 5	15 5	1 13	23 59	0 27	13 11	2 12	17 9	0 43	0 59	1 54	31 33	11 14	19 32	19 40	26 5		n.a.
F 17	14 1	15 13	5 13	11 40	0 38	4 3	6 15	15 15	1 12	23 59	0 27	13 11	2 13	17 8	0 43	0 59	1 54	31 33	11 14	19 32	19 41	26 5		n.a.
S 18	13 42	20 7	5 13	10 47	0 27	4 15	6 24	15 24	1 11	23 59	0 27	13 11	2 13	17 7	0 43	0 58	1 54	31 33	11 14	19 33	19 42	26 6		n.a.
S 19	13 22	23 56	4 55	9 54	0 17	4 26	6 33	15 33	1 11	23 59	0 27	13 11	2 13	17 6	0 43	0 57	1 54	31 33	11 14	19 33	19 43	26 6		n.a.
M20	13 1	26 19	4 18	8 59	0 6	4 35	6 42	15 43	1 10	23 59	0 27	13 11	2 13	17 5	0 43	0 56	1 54	31 32	11 14	19 33	19 43	26 7		n.a.
T 21	12 41	27 0	3 26	8 5	0n 6	4 44	6 51	15 52	1 9	23 59	0 27	13 11	2 13	17 4	0 43	0 56	1 54	31 32	11 14	19 32	19 44	26 8		n.a.
W22	12 20	25 53	2 21	7 11	0 18	4 51	6 59	16 1	1 8	23 59	0 27	13 11	2 13	17 3	0 43	0 55	1 54	31 32	11 15	19 32	19 45	26 8		n.a.
T 23	11 59	23 6	1 7	6 17	0 30	4 57	7 7	16 10	1 7	23 59	0 27	13 10	2 14	17 2	0 43	0 54	1 54	31 32	11 15	19 32	19 46	26 9		n.a.
F 24	11 38	18 55	0n10	5 23	0 43	5 1	7 15	16 19	1 7	24 0	0 27	13 10	2 14	17 1	0 43	0 53	1 54	31 32	11 15	19 32	19 46	26 9		n.a.
S 25	11 17	13 45	1 26	4 31	0 55	5 5	7 23	16 27	1 6	24 0	0 27	13 10	2 14	17 0	0 43	0 52	1 54	31 32	11 15	19 32	19 47	26 10		n.a.
S 26	10 56	7 59	2 35	3 39	1 8	5 7	7 30	16 36	1 5	24 0	0 27	13 10	2 14	16 59	0 43	0 51	1 54	31 31	11 15	19 32	19 48	26 11		n.a.
M27	10 34	1 57	3 34	2 49	1 20	5 7	7 36	16 45	1 4	24 0	0 27	13 10	2 14	16 58	0 43	0 51	1 54	31 31	11 15	19 33	19 49	26 11		n.a.
T 28	10s13	4n 0	4n20	2s 1	1n33	5n 6	7n42	16s53	1n 3	24n 0	0n27	13s 9	2n14	16s57	0s43	0s50	1s54	31s31	11s16	19s34	19s49	26n12		n.a.

Julian Day Number = 1564396.5, Delta T = 04h21m58s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'35, Lahiri = - 9°53'34 Julian Calendar 1 Feb. 430 BCE == Greg. Calendar 27 Jan. 430 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

MARCH 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 11 22	4♓51'51	12♈57	22♓54	24°R51	20♏10	22♊41	10°R52	15♒58	2♈17	29♑27	3°R37	2♒36	9♊15	n.a.	W 1
T 2	10 15 19	5°50'53	25°31	24°17	24♓30	20°37	22°42	10♏52	16° 1	2°19	29°28	3♒32	2°33	9°22	n.a.	T 2
F 3	10 19 15	6°49'53	7♉49	25°34	24° 7	21° 4	22°43	10°51	16° 4	2°21	29°29	3°28	2°29	9°28	n.a.	F 3
S 4	10 23 12	7°48'50	19°54	26°46	23°42	21°30	22°45	10°50	16° 7	2°23	29°31	3°24	2°26	9°35	n.a.	S 4
S 5	10 27 8	8°47'46	1♊50	27°52	23°14	21°57	22°47	10°50	16°11	2°25	29°32	3°23	2°23	9°42	n.a.	S 5
M 6	10 31 5	9°46'38	13°42	28°51	22°45	22°23	22°49	10°49	16°14	2°27	29°33	3°D23	2°20	9°48	n.a.	M 6
T 7	10 35 1	10°45'29	25°33	29°45	22°14	22°48	22°51	10°48	16°17	2°29	29°35	3°24	2°17	9°55	n.a.	T 7
W 8	10 38 58	11°44'17	7♋31	0♈32	21°41	23°14	22°54	10°46	16°20	2°31	29°36	3°25	2°14	10° 2	n.a.	W 8
T 9	10 42 54	12°43'02	19°39	1°13	21° 6	23°39	22°56	10°45	16°23	2°33	29°37	3°27	2°10	10° 9	n.a.	T 9
F 10	10 46 51	13°41'46	2♌ 1	1°47	20°31	24° 4	22°59	10°44	16°27	2°36	29°39	3°R28	2° 7	10°15	n.a.	F 10
S 11	10 50 48	14°40'27	14°41	2°14	19°54	24°28	23° 2	10°42	16°30	2°38	29°40	3°27	2° 4	10°22	n.a.	S 11
S 12	10 54 44	15°39'06	27°41	2°35	19°17	24°53	23° 5	10°41	16°33	2°40	29°41	3°24	2° 1	10°29	n.a.	S 12
M13	10 58 41	16°37'42	11♍ 2	2°50	18°39	25°17	23° 9	10°39	16°36	2°42	29°43	3°20	1°58	10°35	n.a.	M13
T 14	11 2 37	17°36'17	24°42	2°58	18° 1	25°40	23°12	10°38	16°39	2°44	29°44	3°14	1°55	10°42	n.a.	T 14
W15	11 6 34	18°34'49	8♎39	3°R 0	17°23	26° 4	23°16	10°36	16°42	2°47	29°45	3° 7	1°51	10°49	n.a.	W15
T 16	11 10 30	19°33'20	22°49	2°55	16°45	26°27	23°20	10°34	16°45	2°49	29°46	2°59	1°48	10°55	n.a.	T 16
F 17	11 14 27	20°31'48	7♏ 5	2°45	16° 7	26°50	23°24	10°32	16°48	2°51	29°47	2°53	1°45	11° 2	n.a.	F 17
S 18	11 18 23	21°30'15	21°25	2°29	15°30	27°12	23°28	10°30	16°51	2°53	29°49	2°48	1°42	11° 9	n.a.	S 18
S 19	11 22 20	22°28'41	5♐43	2° 9	14°55	27°34	23°32	10°28	16°54	2°55	29°50	2°44	1°39	11°15	n.a.	S 19
M20	11 26 16	23°27'05	19°56	1°43	14°20	27°56	23°37	10°25	16°57	2°58	29°51	2°D43	1°35	11°22	n.a.	M20
T 21	11 30 13	24°25'27	4♑ 2	1°14	13°47	28°17	23°42	10°23	17° 0	3° 0	29°52	2°43	1°32	11°29	n.a.	T 21
W22	11 34 10	25°23'47	18° 0	0°41	13°15	28°38	23°46	10°21	17° 3	3° 2	29°53	2°44	1°29	11°36	n.a.	W22
T 23	11 38 6	26°22'06	1♒50	0° 5	12°45	28°58	23°51	10°18	17° 5	3° 4	29°54	2°R45	1°26	11°42	n.a.	T 23
F 24	11 42 3	27°20'23	15°31	29♓27	12°17	29°18	23°57	10°16	17° 8	3° 7	29°55	2°44	1°23	11°49	n.a.	F 24
S 25	11 45 59	28°18'38	29° 3	28°47	11°51	29°38	24° 2	10°13	17°11	3° 9	29°56	2°41	1°20	11°56	n.a.	S 25
S 26	11 49 56	29°16'52	12♓23	28° 7	11°27	29°57	24° 7	10°10	17°14	3°11	29°57	2°36	1°16	12° 2	n.a.	S 26
M27	11 53 52	0♈15'04	25°32	27°26	11° 6	0♐16	24°13	10° 8	17°17	3°13	29°58	2°28	1°13	12° 9	n.a.	M27
T 28	11 57 49	1°13'14	8♈27	26°47	10°46	0°34	24°19	10° 5	17°19	3°16	29°59	2°18	1°10	12°16	n.a.	T 28
W29	12 1 45	2°11'22	21° 8	26° 8	10°29	0°52	24°25	10° 2	17°22	3°18	0♒ 0	2° 8	1° 7	12°22	n.a.	W29
T 30	12 5 42	3° 9'28	3♉35	25°32	10°15	1°10	24°31	9°59	17°25	3°20	0° 1	1°57	1° 4	12°29	n.a.	T 30
F 31	12 9 39	4♈ 7'32	15♉49	24♓59	10♓ 3	1♐27	24♊37	9♏56	17♒27	3♈22	0♒ 2	1♒47	1♒ 0	12♊36	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	9s51	9n39	4n52	1s15	1n45	5n 4	7n48	17s 1	1n 2	24n 0	0n27	13s 9	2n15	16s56	0s43	0s49	1s53	31s31	11s16	19s36	19s50	26n12			n.a.
T 2	9 29	14 46	5 9	0 31	1 56	5 0	7 53	17 10	1 1	24 0	0 27	13 9	2 15	16 55	0 43	0 48	1 53	31 31	11 16	19 37	19 51	26 13			n.a.
F 3	9 7	19 11	5 11	0n10	2 8	4 55	7 57	17 18	1 0	24 0	0 27	13 8	2 15	16 54	0 43	0 47	1 53	31 31	11 16	19 38	19 51	26 13			n.a.
S 4	8 45	22 44	4 59	0 49	2 19	4 48	8 0	17 26	0 59	24 0	0 28	13 8	2 15	16 53	0 43	0 46	1 53	31 31	11 17	19 39	19 52	26 14			n.a.
S 5	8 23	25 16	4 34	1 24	2 29	4 40	8 3	17 34	0 58	24 0	0 28	13 7	2 15	16 52	0 43	0 45	1 53	31 31	11 17	19 39	19 53	26 14			n.a.
M 6	8 0	26 41	3 58	1 57	2 38	4 30	8 5	17 41	0 57	24 1	0 28	13 7	2 15	16 51	0 43	0 45	1 53	31 31	11 17	19 39	19 54	26 15			n.a.
T 7	7 38	26 52	3 12	2 27	2 47	4 19	8 7	17 49	0 55	24 1	0 28	13 7	2 16	16 50	0 43	0 44	1 53	31 30	11 17	19 39	19 54	26 15			n.a.
W 8	7 15	25 48	2 16	2 53	2 55	4 6	8 7	17 57	0 54	24 1	0 28	13 6	2 16	16 49	0 43	0 43	1 53	31 30	11 17	19 39	19 55	26 16			n.a.
T 9	6 52	23 31	1 14	3 16	3 2	3 52	8 7	18 4	0 53	24 1	0 28	13 6	2 16	16 48	0 43	0 42	1 53	31 30	11 18	19 38	19 56	26 16			n.a.
F 10	6 30	20 6	0 8	3 35	3 8	3 37	8 5	18 12	0 52	24 1	0 28	13 5	2 16	16 47	0 43	0 41	1 53	31 30	11 18	19 38	19 57	26 17			n.a.
S 11	6 7	15 40	1s 1	3 50	3 13	3 21	8 3	18 19	0 50	24 2	0 28	13 4	2 16	16 46	0 43	0 40	1 53	31 30	11 18	19 38	19 57	26 17			n.a.
S 12	5 44	10 26	2 8	4 2	3 16	3 3	8 0	18 26	0 49	24 2	0 28	13 4	2 16	16 46	0 43	0 39	1 53	31 30	11 18	19 39	19 58	26 18			n.a.
M13	5 21	4 37	3 9	4 10	3 19	2 45	7 56	18 34	0 48	24 2	0 28	13 3	2 17	16 45	0 43	0 38	1 53	31 30	11 19	19 40	19 59	26 18			n.a.
T 14	4 58	1s33	4 1	4 15	3 20	2 25	7 51	18 41	0 46	24 2	0 28	13 2	2 17	16 44	0 43	0 37	1 53	31 30	11 19	19 41	19 59	26 19			n.a.
W15	4 34	7 45	4 40	4 15	3 20	2 5	7 45	18 48	0 45	24 2	0 28	13 2	2 17	16 43	0 43	0 37	1 53	31 30	11 19	19 43	20 0	26 19			n.a.
T 16	4 11	13 39	5 3	4 12	3 18	1 44	7 39	18 54	0 43	24 3	0 28	13 1	2 17	16 42	0 43	0 36	1 53	31 30	11 19	19 45	20 1	26 20			n.a.
F 17	3 48	18 52	5 7	4 5	3 15	1 23	7 31	19 1	0 42	24 3	0 28	13 0	2 17	16 41	0 43	0 35	1 53	31 30	11 20	19 46	20 2	26 20			n.a.
S 18	3 25	23 2	4 52	3 54	3 10	1 1	7 23	19 8	0 40	24 3	0 28	12 59	2 17	16 40	0 43	0 34	1 53	31 30	11 20	19 47	20 2	26 20			n.a.
S 19	3 1	25 46	4 18	3 40	3 4	0 39	7 14	19 14	0 39	24 3	0 28	12 59	2 17	16 39	0 43	0 33	1 53	31 30	11 20	19 48	20 3	26 21			n.a.
M20	2 38	26 50	3 29	3 23	2 57	0 16	7 4	19 21	0 37	24 4	0 28	12 58	2 18	16 38	0 43	0 32	1 53	31 30	11 20	19 48	20 4	26 21			n.a.
T 21	2 15	26 9	2 28	3 3	2 48	0s 6	6 54	19 27	0 36	24 4	0 28	12 57	2 18	16 37	0 43	0 31	1 53	31 30	11 21	19 48	20 4	26 22			n.a.
W22	1 51	23 49	1 18	2 41	2 38	0 28	6 43	19 34	0 34	24 4	0 28	12 56	2 18	16 37	0 43	0 30	1 53	31 30	11 21	19 48	20 5	26 22			n.a.
T 23	1 28	20 5	0 5	2 16	2 26	0 50	6 32	19 40	0 32	24 4	0 28	12 55	2 18	16 36	0 43	0 29	1 53	31 30	11 21	19 48	20 6	26 22			n.a.
F 24	1 4	15 18	1n 8	1 49	2 13	1 12	6 20	19 46	0 30	24 5	0 28	12 54	2 18	16 35	0 43	0 28	1 53	31 30	11 22	19 48	20 7	26 23			n.a.
S 25	0 41	9 50	2 16	1 20	2 0	1 33	6 8	19 52	0 29	24 5	0 28	12 53	2 18	16 34	0 43	0 28	1 53	31 30	11 22	19 49	20 7	26 23			n.a.
S 26	0 17	4 0	3 16	0 50	1 45	1 53	5 55	19 58	0 27	24 5	0 28	12 52	2 18	16 33	0 43	0 27	1 53	31 30	11 22	19 50	20 8	26 23			n.a.
M27	0n 6	1n55	4 4	0 20	1 30	2 13	5 42	20 4	0 25	24 5	0 28	12 51	2 18	16 32	0 43	0 26	1 53	31 30	11 22	19 52	20 9	26 24			n.a.
T 28	0 29	7 38	4 38	0s11	1 14	2 33	5 29	20 10	0 23	24 6	0 28	12 50	2 18	16 32	0 43	0 25	1 53	31 30	11 23	19 54	20 9	26 24			n.a.
W29	0 53	12 56	4 58	0 41	0 57	2 52	5 16	20 15	0 21	24 6	0 28	12 49	2 19	16 31	0 43	0 24	1 53	31 30	11 23	19 56	20 10	26 24			n.a.
T 30	1 16	17 37	5 4	1 11	0 40	3 9	5 3	20 21	0 19	24 6	0 28	12 48	2 19	16 30	0 43	0 23	1 53	31 30	11 23	19 59	20 11	26 25			n.a.
F 31	1n40	21n29	4n55	1s40	0n24	3s26	4n49	20s27	0n17	24n 7	0n28	12s47	2n19	16s29	0s43	0s22	1s53	31s30	11s24	20s 1	20s12	26n25			n.a.

Julian Day Number = 1564424.5, Delta T = 04h21m57s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'31, Lahiri = - 9°53'30 Julian Calendar 1 March 430 BCE == Greg. Calendar 24 Feb. 430 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

APRIL 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 13 35	5♈ 5'35	27♉51	24°R28	9°R53	1♐43	24♊43	9°R52	17♒30	3♈25	0♒ 3	1°R39	0♒57	12♊42	n.a.	S 1
S 2	12 17 32	6° 3'35	9♊46	24♓ 1	9♓46	1°59	24°50	9♏49	17°32	3°27	0° 4	1♒33	0°54	12°49	n.a.	S 2
M 3	12 21 28	7° 1'34	21°36	23°38	9°41	2°14	24°57	9°46	17°35	3°29	0° 4	1°30	0°51	12°56	n.a.	M 3
T 4	12 25 25	7°59'31	3♋27	23°19	9°38	2°29	25° 3	9°43	17°37	3°31	0° 5	1°D29	0°48	13° 3	n.a.	T 4
W 5	12 29 21	8°57'25	15°23	23° 5	9°D38	2°44	25°10	9°39	17°40	3°34	0° 6	1°29	0°45	13° 9	n.a.	W 5
T 6	12 33 18	9°55'18	27°30	22°55	9°40	2°58	25°17	9°36	17°42	3°36	0° 7	1°R29	0°41	13°16	n.a.	T 6
F 7	12 37 14	10°53'09	9♌53	22°50	9°45	3°11	25°25	9°32	17°44	3°38	0° 7	1°29	0°38	13°23	n.a.	F 7
S 8	12 41 11	11°50'58	22°37	22°D49	9°51	3°24	25°32	9°29	17°47	3°40	0° 8	1°27	0°35	13°29	n.a.	S 8
S 9	12 45 7	12°48'45	5♍45	22°53	10° 0	3°36	25°39	9°25	17°49	3°43	0° 9	1°23	0°32	13°36	n.a.	S 9
M10	12 49 4	13°46'30	19°19	23° 2	10°11	3°48	25°47	9°21	17°51	3°45	0°10	1°16	0°29	13°43	n.a.	M10
T 11	12 53 1	14°44'14	3♎17	23°15	10°24	3°59	25°55	9°17	17°54	3°47	0°10	1° 7	0°26	13°49	n.a.	T 11
W12	12 56 57	15°41'56	17°37	23°33	10°39	4° 9	26° 3	9°14	17°56	3°49	0°11	0°57	0°22	13°56	n.a.	W12
T 13	13 0 54	16°39'37	2♏13	23°55	10°57	4°19	26°11	9°10	17°58	3°52	0°11	0°46	0°19	14° 3	n.a.	T 13
F 14	13 4 50	17°37'16	16°56	24°22	11°15	4°29	26°19	9° 6	18° 0	3°54	0°12	0°36	0°16	14° 9	n.a.	F 14
S 15	13 8 47	18°34'54	1♐40	24°53	11°36	4°37	26°27	9° 2	18° 2	3°56	0°13	0°28	0°13	14°16	n.a.	S 15
S 16	13 12 43	19°32'32	16°17	25°28	11°59	4°45	26°35	8°58	18° 4	3°58	0°13	0°22	0°10	14°23	n.a.	S 16
M17	13 16 40	20°30'08	0♑42	26° 6	12°23	4°53	26°44	8°54	18° 6	4° 0	0°14	0°19	0° 6	14°29	n.a.	M17
T 18	13 20 36	21°27'42	14°52	26°49	12°49	4°59	26°52	8°50	18° 8	4° 2	0°14	0°18	0° 3	14°36	n.a.	T 18
W19	13 24 33	22°25'16	28°46	27°35	13°17	5° 5	27° 1	8°46	18°10	4° 5	0°15	0°18	0° 0	14°43	n.a.	W19
T 20	13 28 30	23°22'49	12♒24	28°25	13°46	5°11	27°10	8°42	18°12	4° 7	0°15	0°18	29♑57	14°49	n.a.	T 20
F 21	13 32 26	24°20'21	25°49	29°18	14°16	5°15	27°19	8°37	18°14	4° 9	0°15	0°16	29°54	14°56	n.a.	F 21
S 22	13 36 23	25°17'52	9♓ 0	0♈15	14°48	5°19	27°28	8°33	18°16	4°11	0°16	0°12	29°51	15° 3	n.a.	S 22
S 23	13 40 19	26°15'21	21°59	1°15	15°21	5°22	27°37	8°29	18°17	4°13	0°16	0° 5	29°47	15°10	n.a.	S 23
M24	13 44 16	27°12'50	4♈47	2°18	15°56	5°24	27°46	8°25	18°19	4°15	0°16	29♑55	29°44	15°16	n.a.	M24
T 25	13 48 12	28°10'17	17°24	3°24	16°32	5°26	27°55	8°21	18°21	4°17	0°17	29°43	29°41	15°23	n.a.	T 25
W26	13 52 9	29° 7'44	29°50	4°33	17° 9	5°27	28° 5	8°16	18°22	4°20	0°17	29°29	29°38	15°30	n.a.	W26
T 27	13 56 5	0♉ 5'10	12♉ 5	5°45	17°47	5°R27	28°14	8°12	18°24	4°22	0°17	29°16	29°35	15°36	n.a.	T 27
F 28	14 0 2	1° 2'34	24°11	7° 0	18°26	5°27	28°24	8° 8	18°25	4°24	0°18	29° 3	29°31	15°43	n.a.	F 28
S 29	14 3 59	1°59'57	6♊ 9	8°17	19° 7	5°25	28°34	8° 3	18°27	4°26	0°18	28°53	29°28	15°50	n.a.	S 29
S 30	14 7 55	2♉57'19	18♊ 0	9♈38	19♓48	5♐23	28♊43	7♏59	18♒28	4♈28	0♒18	28♑45	29♑25	15♊56	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 3	24n22	4n33	2s 7	0n 7	3s43	4n36	20s32	0n14	24n 7	0n28	12s46	2n19	16s29	0s43	0s21	1s53	31s31	11s24	20s 3	20s12	26n25		n.a.
S 2	2 26	26 9	3 59	2 33	0s 9	3 58	4 22	20 38	0 12	24 7	0 28	12 45	2 19	16 28	0 43	0 20	1 53	31 31	11 24	20 4	20 13	26 26		n.a.
M 3	2 49	26 44	3 16	2 57	0 26	4 12	4 9	20 43	0 10	24 8	0 28	12 44	2 19	16 27	0 43	0 19	1 53	31 31	11 25	20 5	20 14	26 26		n.a.
T 4	3 13	26 6	2 24	3 19	0 41	4 25	3 56	20 48	0 8	24 8	0 29	12 43	2 19	16 26	0 43	0 18	1 53	31 31	11 25	20 5	20 14	26 26		n.a.
W 5	3 36	24 15	1 25	3 38	0 56	4 38	3 42	20 53	0 5	24 8	0 29	12 42	2 19	16 26	0 43	0 18	1 53	31 31	11 25	20 5	20 15	26 27		n.a.
T 6	3 59	21 17	0 21	3 56	1 11	4 49	3 29	20 58	0 3	24 8	0 29	12 40	2 19	16 25	0 43	0 17	1 53	31 31	11 25	20 5	20 16	26 27		n.a.
F 7	4 22	17 17	0s45	4 10	1 25	4 59	3 16	21 3	0 0	24 9	0 29	12 39	2 19	16 24	0 43	0 16	1 53	31 31	11 26	20 5	20 16	26 27		n.a.
S 8	4 45	12 25	1 50	4 22	1 37	5 9	3 4	21 8	0s 2	24 9	0 29	12 38	2 19	16 23	0 43	0 15	1 53	31 31	11 26	20 6	20 17	26 27		n.a.
S 9	5 7	6 52	2 51	4 32	1 50	5 17	2 51	21 13	0 5	24 9	0 29	12 37	2 20	16 23	0 44	0 14	1 53	31 32	11 26	20 7	20 18	26 28		n.a.
M10	5 30	0 50	3 45	4 39	2 1	5 24	2 39	21 18	0 7	24 10	0 29	12 36	2 20	16 22	0 44	0 13	1 53	31 32	11 27	20 8	20 19	26 28		n.a.
T 11	5 53	5s24	4 27	4 43	2 11	5 30	2 26	21 23	0 10	24 10	0 29	12 34	2 20	16 21	0 44	0 12	1 53	31 32	11 27	20 10	20 19	26 28		n.a.
W12	6 15	11 30	4 53	4 45	2 21	5 36	2 15	21 28	0 13	24 10	0 29	12 33	2 20	16 21	0 44	0 11	1 53	31 32	11 27	20 12	20 20	26 28		n.a.
T 13	6 38	17 6	5 1	4 44	2 30	5 40	2 3	21 32	0 16	24 10	0 29	12 32	2 20	16 20	0 44	0 11	1 53	31 32	11 28	20 15	20 21	26 29		n.a.
F 14	7 0	21 43	4 49	4 40	2 38	5 43	1 51	21 37	0 18	24 11	0 29	12 30	2 20	16 19	0 44	0 10	1 53	31 32	11 28	20 17	20 21	26 29		n.a.
S 15	7 22	24 58	4 18	4 34	2 44	5 45	1 40	21 41	0 21	24 11	0 29	12 29	2 20	16 19	0 44	0 9	1 53	31 33	11 28	20 19	20 22	26 29		n.a.
S 16	7 45	26 31	3 30	4 26	2 51	5 47	1 29	21 46	0 24	24 11	0 29	12 28	2 20	16 18	0 44	0 8	1 53	31 33	11 29	20 20	20 23	26 29		n.a.
M17	8 7	26 15	2 30	4 15	2 56	5 47	1 19	21 50	0 27	24 11	0 29	12 26	2 20	16 18	0 44	0 7	1 53	31 33	11 29	20 21	20 23	26 29		n.a.
T 18	8 28	24 15	1 21	4 2	3 0	5 47	1 8	21 54	0 31	24 12	0 29	12 25	2 20	16 17	0 44	0 6	1 53	31 33	11 29	20 21	20 24	26 30		n.a.
W19	8 50	20 48	0 8	3 47	3 4	5 46	0 58	21 59	0 34	24 12	0 29	12 24	2 20	16 16	0 44	0 5	1 53	31 33	11 30	20 21	20 25	26 30		n.a.
T 20	9 12	16 17	1n 4	3 29	3 7	5 43	0 48	22 3	0 37	24 12	0 29	12 22	2 20	16 16	0 44	0 4	1 53	31 34	11 30	20 21	20 25	26 30		n.a.
F 21	9 33	11 2	2 10	3 9	3 9	5 40	0 39	22 7	0 40	24 12	0 29	12 21	2 20	16 15	0 44	0 4	1 53	31 34	11 30	20 21	20 26	26 30		n.a.
S 22	9 55	5 23	3 9	2 48	3 10	5 36	0 29	22 11	0 44	24 13	0 29	12 20	2 20	16 15	0 44	0 3	1 53	31 34	11 31	20 22	20 27	26 30		n.a.
S 23	10 16	0n24	3 57	2 24	3 10	5 32	0 20	22 15	0 47	24 13	0 29	12 18	2 20	16 14	0 44	0 2	1 53	31 34	11 31	20 24	20 27	26 30		n.a.
M24	10 37	6 4	4 32	1 59	3 10	5 26	0 12	22 18	0 50	24 13	0 29	12 17	2 20	16 14	0 44	0 1	1 53	31 35	11 31	20 26	20 28	26 31		n.a.
T 25	10 58	11 25	4 53	1 31	3 9	5 20	0 3	22 22	0 54	24 13	0 29	12 16	2 20	16 13	0 44	0 0	1 53	31 35	11 32	20 28	20 29	26 31		n.a.
W26	11 18	16 13	5 0	1 2	3 7	5 13	0s 5	22 26	0 58	24 13	0 29	12 14	2 20	16 13	0 44	0n 1	1 54	31 35	11 32	20 31	20 29	26 31		n.a.
T 27	11 39	20 17	4 52	0 31	3 5	5 6	0 13	22 30	1 1	24 13	0 29	12 13	2 20	16 12	0 44	0 1	1 54	31 35	11 32	20 34	20 30	26 31		n.a.
F 28	11 59	23 27	4 32	0n 2	3 2	4 57	0 21	22 33	1 5	24 14	0 29	12 11	2 20	16 12	0 44	0 2	1 54	31 36	11 33	20 37	20 31	26 31		n.a.
S 29	12 19	25 33	4 0	0 36	2 58	4 48	0 29	22 37	1 9	24 14	0 29	12 10	2 20	16 12	0 44	0 3	1 54	31 36	11 33	20 39	20 31	26 31		n.a.
S 30	12n39	26n28	3n17	1n12	2s54	4s38	0s36	22s40	1s12	24n14	0n29	12s 9	2n20	16s11	0s44	0n 4	1s54	31s36	11s33	20s41	20s32	26n31		n.a.

Julian Day Number = 1564455.5, Delta T = 04h21m56s
Ecliptic obliquity = 23°44'56, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'26, Lahiri = - 9°53'26 Julian Calendar 1 Apr. 430 BCE == Greg. Calendar 27 March 430 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

MAY 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 11 52	3♉54'40	29♊48	11♈ 1	20♓30	5°R20	28♊53	7°R54	18♒30	4♈30	0♒18	28°R40	29♉22	16♊ 3	n.a.	M 1
T 2	14 15 48	4°52'00	11♋37	12°27	21°14	5♐17	29° 3	7♏50	18°31	4°32	0°18	28♉37	29°19	16°10	n.a.	T 2
W 3	14 19 45	5°49'19	23°32	13°55	21°58	5°12	29°13	7°46	18°32	4°34	0°18	28°36	29°16	16°16	n.a.	W 3
T 4	14 23 41	6°46'37	5♌37	15°27	22°43	5° 7	29°24	7°41	18°34	4°36	0°18	28°36	29°12	16°23	n.a.	T 4
F 5	14 27 38	7°43'53	17°59	17° 0	23°29	5° 1	29°34	7°37	18°35	4°38	0°18	28°36	29° 9	16°30	n.a.	F 5
S 6	14 31 34	8°41'08	0♍42	18°37	24°16	4°55	29°44	7°32	18°36	4°40	0°18	28°35	29° 6	16°36	n.a.	S 6
S 7	14 35 31	9°38'22	13°50	20°16	25° 3	4°48	29°55	7°28	18°37	4°42	0°R18	28°31	29° 3	16°43	n.a.	S 7
M 8	14 39 28	10°35'36	27°27	21°58	25°51	4°40	0♋ 5	7°24	18°38	4°44	0°18	28°25	29° 0	16°50	n.a.	M 8
T 9	14 43 24	11°32'48	11♎32	23°42	26°40	4°31	0°16	7°19	18°39	4°46	0°18	28°16	28°57	16°56	n.a.	T 9
W10	14 47 21	12°29'59	26° 4	25°29	27°30	4°22	0°27	7°15	18°40	4°47	0°18	28° 6	28°53	17° 3	n.a.	W10
T 11	14 51 17	13°27'10	10♏56	27°18	28°20	4°12	0°37	7°11	18°41	4°49	0°18	27°56	28°50	17°10	n.a.	T 11
F 12	14 55 14	14°24'20	25°59	29°10	29°11	4° 1	0°48	7° 6	18°42	4°51	0°18	27°46	28°47	17°17	n.a.	F 12
S 13	14 59 10	15°21'30	11♐ 4	1♉ 4	0♈ 3	3°50	0°59	7° 2	18°43	4°53	0°18	27°38	28°44	17°23	n.a.	S 13
S 14	15 3 7	16°18'39	26° 1	3° 1	0°55	3°38	1°10	6°57	18°44	4°55	0°18	27°32	28°41	17°30	n.a.	S 14
M15	15 7 4	17°15'48	10♑44	4°59	1°48	3°25	1°21	6°53	18°45	4°57	0°18	27°29	28°37	17°37	n.a.	M15
T 16	15 11 0	18°12'57	25° 6	7° 0	2°42	3°12	1°32	6°49	18°45	4°58	0°17	27°D29	28°34	17°43	n.a.	T 16
W17	15 14 57	19°10'05	9♒ 6	9° 3	3°36	2°58	1°44	6°45	18°46	5° 0	0°17	27°29	28°31	17°50	n.a.	W17
T 18	15 18 53	20° 7'13	22°44	11° 8	4°30	2°44	1°55	6°40	18°47	5° 2	0°17	27°R29	28°28	17°57	n.a.	T 18
F 19	15 22 50	21° 4'21	6♓ 2	13°14	5°25	2°29	2° 6	6°36	18°47	5° 3	0°17	27°28	28°25	18° 3	n.a.	F 19
S 20	15 26 46	22° 1'29	19° 3	15°22	6°21	2°14	2°18	6°32	18°48	5° 5	0°16	27°25	28°22	18°10	n.a.	S 20
S 21	15 30 43	22°58'37	1♈48	17°31	7°17	1°58	2°29	6°28	18°48	5° 7	0°16	27°20	28°18	18°17	n.a.	S 21
M22	15 34 39	23°55'45	14°21	19°41	8°13	1°42	2°41	6°24	18°49	5° 8	0°16	27°12	28°15	18°23	n.a.	M22
T 23	15 38 36	24°52'53	26°42	21°52	9°10	1°25	2°52	6°20	18°49	5°10	0°15	27° 2	28°12	18°30	n.a.	T 23
W24	15 42 33	25°50'01	8♉55	24° 3	10° 7	1° 9	3° 4	6°16	18°49	5°12	0°15	26°51	28° 9	18°37	n.a.	W24
T 25	15 46 29	26°47'08	20°59	26°14	11° 5	0°52	3°16	6°12	18°50	5°13	0°14	26°40	28° 6	18°43	n.a.	T 25
F 26	15 50 26	27°44'16	2♊56	28°25	12° 3	0°34	3°28	6° 8	18°50	5°15	0°14	26°29	28° 3	18°50	n.a.	F 26
S 27	15 54 22	28°41'23	14°48	0♊35	13° 1	0°17	3°40	6° 4	18°50	5°16	0°14	26°21	27°59	18°57	n.a.	S 27
S 28	15 58 19	29°38'31	26°37	2°45	14° 0	29♏59	3°51	6° 0	18°50	5°18	0°13	26°14	27°56	19° 3	n.a.	S 28
M29	16 2 15	0♊35'38	8♋24	4°54	14°59	29°41	4° 3	5°56	18°50	5°19	0°13	26°10	27°53	19°10	n.a.	M29
T 30	16 6 12	1°32'45	20°14	7° 2	15°59	29°24	4°15	5°52	18°R50	5°21	0°12	26° 9	27°50	19°17	n.a.	T 30
W31	16 10 8	2♊29'51	2♌ 9	9♊ 8	16♈59	29♏ 6	4♋28	5♏49	18♒50	5♈22	0♒11	26°D 9	27♉47	19♊23	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	12n59	26n11	2n26	1n49	2s49	4s28	0s43	22s43	1s16	24n14	0n29	12s 7	2n20	16s11	0s44	0n 4	1s54	31s37	11s34	20s42	20s33	26n31			n.a.
T 2	13 19	24 42	1 29	2 28	2 44	4 17	0 50	22 46	1 20	24 14	0 29	12 6	2 20	16 10	0 44	0 5	1 54	31 37	11 34	20 42	20 33	26 31			n.a.
W 3	13 38	22 7	0 27	3 9	2 38	4 5	0 56	22 49	1 24	24 14	0 29	12 4	2 20	16 10	0 44	0 6	1 54	31 37	11 34	20 42	20 34	26 31			n.a.
T 4	13 57	18 31	0s37	3 50	2 31	3 53	1 3	22 52	1 28	24 14	0 30	12 3	2 20	16 10	0 44	0 7	1 54	31 37	11 35	20 42	20 35	26 32			n.a.
F 5	14 16	14 2	1 41	4 33	2 24	3 40	1 9	22 55	1 32	24 14	0 30	12 2	2 20	16 9	0 44	0 8	1 54	31 38	11 35	20 42	20 35	26 32			n.a.
S 6	14 35	8 51	2 41	5 17	2 16	3 27	1 15	22 58	1 36	24 14	0 30	12 0	2 20	16 9	0 44	0 8	1 54	31 38	11 35	20 43	20 36	26 32			n.a.
S 7	14 53	3 8	3 35	6 3	2 8	3 13	1 21	23 1	1 40	24 15	0 30	11 59	2 20	16 9	0 44	0 9	1 54	31 38	11 36	20 43	20 37	26 32			n.a.
M 8	15 11	2s56	4 19	6 49	1 59	2 59	1 26	23 3	1 45	24 15	0 30	11 58	2 20	16 8	0 45	0 10	1 54	31 39	11 36	20 45	20 37	26 32			n.a.
T 9	15 29	9 2	4 49	7 37	1 50	2 44	1 31	23 6	1 49	24 15	0 30	11 56	2 20	16 8	0 45	0 11	1 54	31 39	11 36	20 46	20 38	26 32			n.a.
W10	15 47	14 51	5 1	8 25	1 41	2 29	1 36	23 8	1 53	24 15	0 30	11 55	2 19	16 8	0 45	0 11	1 54	31 39	11 37	20 48	20 39	26 32			n.a.
T 11	16 5	19 56	4 54	9 14	1 31	2 13	1 41	23 11	1 57	24 15	0 30	11 53	2 19	16 7	0 45	0 12	1 54	31 40	11 37	20 51	20 39	26 32			n.a.
F 12	16 22	23 48	4 26	10 4	1 21	1 56	1 46	23 13	2 2	24 15	0 30	11 52	2 19	16 7	0 45	0 13	1 54	31 40	11 37	20 53	20 40	26 32			n.a.
S 13	16 39	26 1	3 40	10 54	1 10	1 40	1 50	23 15	2 6	24 15	0 30	11 51	2 19	16 7	0 45	0 13	1 54	31 40	11 38	20 54	20 41	26 32			n.a.
S 14	16 56	26 20	2 39	11 44	1 0	1 23	1 55	23 17	2 10	24 15	0 30	11 49	2 19	16 7	0 45	0 14	1 54	31 41	11 38	20 55	20 41	26 32			n.a.
M15	17 12	24 46	1 28	12 35	0 49	1 5	1 59	23 18	2 14	24 14	0 30	11 48	2 19	16 7	0 45	0 15	1 54	31 41	11 38	20 56	20 42	26 32			n.a.
T 16	17 29	21 36	0 13	13 26	0 38	0 47	2 2	23 20	2 19	24 14	0 30	11 47	2 19	16 6	0 45	0 15	1 54	31 42	11 39	20 56	20 43	26 32			n.a.
W17	17 44	17 14	1n 1	14 16	0 27	0 29	2 6	23 21	2 23	24 14	0 30	11 45	2 19	16 6	0 45	0 16	1 54	31 42	11 39	20 56	20 43	26 32			n.a.
T 18	18 0	12 4	2 10	15 7	0 16	0 10	2 10	23 23	2 27	24 14	0 30	11 44	2 19	16 6	0 45	0 17	1 54	31 42	11 39	20 56	20 44	26 32			n.a.
F 19	18 15	6 28	3 10	15 56	0 5	0n 9	2 13	23 24	2 32	24 14	0 30	11 43	2 19	16 6	0 45	0 17	1 54	31 43	11 40	20 56	20 45	26 32			n.a.
S 20	18 31	0 44	3 59	16 45	0n 6	0 28	2 16	23 25	2 36	24 14	0 30	11 42	2 19	16 6	0 45	0 18	1 54	31 43	11 40	20 57	20 45	26 32			n.a.
S 21	18 45	4n55	4 34	17 33	0 17	0 48	2 19	23 26	2 40	24 14	0 30	11 40	2 18	16 6	0 45	0 19	1 54	31 43	11 40	20 58	20 46	26 31			n.a.
M22	19 0	10 16	4 56	18 19	0 27	1 8	2 22	23 27	2 44	24 14	0 30	11 39	2 18	16 6	0 45	0 19	1 55	31 44	11 41	20 59	20 47	26 31			n.a.
T 23	19 14	15 8	5 3	19 4	0 37	1 28	2 24	23 27	2 48	24 13	0 30	11 38	2 18	16 5	0 45	0 20	1 55	31 44	11 41	21 1	20 47	26 31			n.a.
W24	19 28	19 20	4 57	19 47	0 47	1 49	2 27	23 28	2 53	24 13	0 30	11 37	2 18	16 5	0 45	0 20	1 55	31 45	11 41	21 3	20 48	26 31			n.a.
T 25	19 41	22 41	4 37	20 28	0 56	2 9	2 29	23 28	2 57	24 13	0 30	11 35	2 18	16 5	0 45	0 21	1 55	31 45	11 42	21 6	20 49	26 31			n.a.
F 26	19 55	25 1	4 5	21 6	1 4	2 30	2 31	23 28	3 1	24 13	0 30	11 34	2 18	16 5	0 45	0 22	1 55	31 45	11 42	21 8	20 49	26 31			n.a.
S 27	20 8	26 13	3 23	21 43	1 12	2 52	2 33	23 29	3 5	24 12	0 31	11 33	2 18	16 5	0 45	0 22	1 55	31 46	11 42	21 9	20 50	26 31			n.a.
S 28	20 20	26 14	2 31	22 17	1 20	3 13	2 35	23 28	3 8	24 12	0 31	11 32	2 17	16 5	0 45	0 23	1 55	31 46	11 43	21 11	20 51	26 31			n.a.
M29	20 32	25 2	1 34	22 48	1 26	3 35	2 37	23 28	3 12	24 12	0 31	11 31	2 17	16 5	0 45	0 23	1 55	31 47	11 43	21 11	20 51	26 31			n.a.
T 30	20 44	22 44	0 32	23 17	1 33	3 56	2 38	23 28	3 16	24 11	0 31	11 30	2 17	16 5	0 45	0 24	1 55	31 47	11 43	21 12	20 52	26 31			n.a.
W31	20n56	19n25	0s32	23n43	1n38	4n18	2s40	23s28	3s20	24n11	0n31	11s29	2n17	16s 5	0s45	0n24	1s55	31s48	11s44	21s12	20s52	26n30			n.a.

Julian Day Number = 1564485.5, Delta T = 04h21m55s
Ecliptic obliquity = 23°44'55, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'22, Lahiri = - 9°53'22 Julian Calendar 1 May 430 BCE == Greg. Calendar 26 Apr. 430 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

JUNE 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 14 5	3♊26'58	14♌15	11♊13	17♈59	28°R48	4♋40	5°R45	18°R50	5♈23	0°R11	26♑ 9	27♑43	19♊30	n.a.	T 1
F 2	16 18 2	4°24'04	26°36	13°16	19° 0	28♏30	4°52	5♏42	18♒50	5°25	0♒10	26°10	27°40	19°37	n.a.	F 2
S 3	16 21 58	5°21'10	9♍16	15°18	20° 0	28°13	5° 4	5°38	18°50	5°26	0°10	26°R11	27°37	19°43	n.a.	S 3
S 4	16 25 55	6°18'16	22°21	17°18	21° 2	27°56	5°16	5°34	18°50	5°28	0° 9	26° 9	27°34	19°50	n.a.	S 4
M 5	16 29 51	7°15'22	5♎54	19°17	22° 3	27°39	5°29	5°31	18°49	5°29	0° 8	26° 6	27°31	19°57	n.a.	M 5
T 6	16 33 48	8°12'27	19°55	21°13	23° 5	27°22	5°41	5°28	18°49	5°30	0° 8	26° 1	27°28	20° 3	n.a.	T 6
W 7	16 37 44	9° 9'33	4♏25	23° 8	24° 7	27° 5	5°53	5°24	18°49	5°31	0° 7	25°55	27°24	20°10	n.a.	W 7
T 8	16 41 41	10° 6'39	19°19	25° 0	25° 9	26°49	6° 6	5°21	18°48	5°32	0° 6	25°48	27°21	20°17	n.a.	T 8
F 9	16 45 38	11° 3'45	4♐28	26°51	26°11	26°33	6°18	5°18	18°48	5°34	0° 6	25°42	27°18	20°23	n.a.	F 9
S 10	16 49 34	12° 0'52	19°43	28°40	27°14	26°18	6°31	5°15	18°48	5°35	0° 5	25°37	27°15	20°30	n.a.	S 10
S 11	16 53 31	12°57'59	4♑54	0♋27	28°17	26° 3	6°43	5°12	18°47	5°36	0° 4	25°33	27°12	20°37	n.a.	S 11
M12	16 57 27	13°55'06	19°51	2°12	29°20	25°49	6°56	5° 9	18°46	5°37	0° 3	25°D32	27° 9	20°44	n.a.	M12
T 13	17 1 24	14°52'15	4♒27	3°55	0♉24	25°35	7° 9	5° 6	18°46	5°38	0° 2	25°32	27° 5	20°50	n.a.	T 13
W14	17 5 20	15°49'23	18°38	5°36	1°28	25°22	7°21	5° 3	18°45	5°39	0° 2	25°33	27° 2	20°57	n.a.	W14
T 15	17 9 17	16°46'33	2♓24	7°16	2°32	25° 9	7°34	5° 1	18°44	5°40	0° 1	25°34	26°59	21° 4	n.a.	T 15
F 16	17 13 13	17°43'43	15°46	8°53	3°36	24°57	7°47	4°58	18°44	5°41	29♑59	25°R35	26°56	21°10	n.a.	F 16
S 17	17 17 10	18°40'54	28°45	10°28	4°40	24°46	7°59	4°55	18°43	5°42	29°59	25°35	26°53	21°17	n.a.	S 17
S 18	17 21 7	19°38'06	11♈25	12° 2	5°45	24°35	8°12	4°53	18°42	5°43	29°58	25°33	26°49	21°24	n.a.	S 18
M19	17 25 3	20°35'19	23°49	13°33	6°50	24°25	8°25	4°50	18°41	5°44	29°57	25°29	26°46	21°30	n.a.	M19
T 20	17 29 0	21°32'33	6♉ 1	15° 3	7°55	24°16	8°38	4°48	18°40	5°45	29°56	25°24	26°43	21°37	n.a.	T 20
W21	17 32 56	22°29'48	18° 4	16°31	9° 0	24° 8	8°51	4°46	18°39	5°45	29°55	25°19	26°40	21°44	n.a.	W21
T 22	17 36 53	23°27'04	29°59	17°56	10° 5	24° 0	9° 4	4°44	18°38	5°46	29°54	25°13	26°37	21°50	n.a.	T 22
F 23	17 40 49	24°24'21	11♊51	19°20	11°11	23°53	9°17	4°41	18°37	5°47	29°53	25° 8	26°34	21°57	n.a.	F 23
S 24	17 44 46	25°21'38	23°40	20°42	12°17	23°47	9°30	4°39	18°36	5°48	29°52	25° 3	26°30	22° 4	n.a.	S 24
S 25	17 48 42	26°18'56	5♋28	22° 1	13°23	23°41	9°43	4°38	18°35	5°48	29°51	25° 1	26°27	22°10	n.a.	S 25
M26	17 52 39	27°16'16	17°18	23°19	14°29	23°37	9°56	4°36	18°34	5°49	29°50	24°59	26°24	22°17	n.a.	M26
T 27	17 56 36	28°13'36	29°12	24°34	15°35	23°33	10° 9	4°34	18°32	5°50	29°49	24°D59	26°21	22°24	n.a.	T 27
W28	18 0 32	29°10'56	11♌14	25°47	16°42	23°30	10°22	4°32	18°31	5°50	29°48	25° 0	26°18	22°30	n.a.	W28
T 29	18 4 29	0♌ 8'18	23°25	26°58	17°48	23°28	10°35	4°31	18°30	5°51	29°47	25° 1	26°15	22°37	n.a.	T 29
F 30	18 8 25	1♌ 5'40	5♍49	28♌ 6	18♉55	23♏27	10♋48	4♏29	18♒28	5♈51	29♑46	25♑ 3	26♑11	22♊44	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 7	15n14	1s36	24n 6	1n43	4n40	2s41	23s27	3s23	24n11	0n31	11s28	2n17	16s 5	0s45	0n25	1s55	31s48	11s44	21s11	20s53	26n30		n.a.
F 2	21 18	10 22	2 37	24 27	1 47	5 2	2 42	23 27	3 27	24 10	0 31	11 27	2 17	16 6	0 46	0 25	1 55	31 48	11 44	21 11	20 54	26 30		n.a.
S 3	21 28	4 56	3 31	24 45	1 50	5 25	2 43	23 26	3 30	24 10	0 31	11 26	2 16	16 6	0 46	0 26	1 55	31 49	11 44	21 11	20 54	26 30		n.a.
S 4	21 38	0s51	4 17	25 0	1 53	5 47	2 44	23 25	3 34	24 9	0 31	11 25	2 16	16 6	0 46	0 26	1 55	31 49	11 45	21 11	20 55	26 30		n.a.
M 5	21 48	6 47	4 49	25 13	1 55	6 10	2 44	23 24	3 37	24 9	0 31	11 24	2 16	16 6	0 46	0 27	1 55	31 50	11 45	21 12	20 56	26 30		n.a.
T 6	21 58	12 36	5 7	25 23	1 56	6 32	2 45	23 23	3 40	24 9	0 31	11 23	2 16	16 6	0 46	0 27	1 55	31 50	11 45	21 13	20 56	26 30		n.a.
W 7	22 7	17 56	5 5	25 30	1 56	6 55	2 45	23 22	3 43	24 8	0 31	11 22	2 16	16 6	0 46	0 28	1 55	31 51	11 46	21 14	20 57	26 29		n.a.
T 8	22 15	22 18	4 43	25 35	1 56	7 18	2 45	23 21	3 46	24 8	0 31	11 21	2 16	16 6	0 46	0 28	1 55	31 51	11 46	21 15	20 58	26 29		n.a.
F 9	22 23	25 15	4 1	25 38	1 56	7 40	2 45	23 20	3 49	24 7	0 31	11 20	2 15	16 6	0 46	0 28	1 56	31 51	11 46	21 17	20 58	26 29		n.a.
S 10	22 31	26 22	3 2	25 39	1 54	8 3	2 45	23 19	3 51	24 6	0 31	11 19	2 15	16 7	0 46	0 29	1 56	31 52	11 46	21 18	20 59	26 29		n.a.
S 11	22 39	25 29	1 50	25 37	1 52	8 26	2 45	23 18	3 54	24 6	0 31	11 18	2 15	16 7	0 46	0 29	1 56	31 52	11 47	21 18	20 59	26 28		n.a.
M12	22 46	22 46	0 31	25 34	1 50	8 49	2 45	23 17	3 56	24 5	0 31	11 17	2 15	16 7	0 46	0 30	1 56	31 53	11 47	21 19	21 0	26 28		n.a.
T 13	22 53	18 37	0n48	25 28	1 47	9 12	2 45	23 16	3 59	24 5	0 31	11 17	2 15	16 7	0 46	0 30	1 56	31 53	11 47	21 19	21 1	26 28		n.a.
W14	22 59	13 30	2 2	25 21	1 43	9 34	2 44	23 15	4 1	24 4	0 32	11 16	2 14	16 8	0 46	0 30	1 56	31 54	11 47	21 18	21 1	26 28		n.a.
T 15	23 5	7 51	3 7	25 12	1 39	9 57	2 44	23 13	4 3	24 3	0 32	11 15	2 14	16 8	0 46	0 31	1 56	31 54	11 48	21 18	21 2	26 28		n.a.
F 16	23 10	2 1	4 0	25 1	1 34	10 20	2 43	23 12	4 5	24 3	0 32	11 14	2 14	16 8	0 46	0 31	1 56	31 55	11 48	21 18	21 3	26 27		n.a.
S 17	23 16	3n44	4 38	24 49	1 29	10 42	2 42	23 11	4 7	24 2	0 32	11 14	2 14	16 8	0 46	0 31	1 56	31 55	11 48	21 18	21 3	26 27		n.a.
S 18	23 20	9 11	5 2	24 35	1 23	11 5	2 41	23 10	4 9	24 1	0 32	11 13	2 14	16 9	0 46	0 32	1 56	31 55	11 48	21 18	21 4	26 27		n.a.
M19	23 25	14 10	5 11	24 20	1 17	11 27	2 40	23 9	4 10	24 0	0 32	11 13	2 13	16 9	0 46	0 32	1 56	31 56	11 49	21 19	21 4	26 27		n.a.
T 20	23 28	18 30	5 6	24 3	1 11	11 49	2 39	23 9	4 12	24 0	0 32	11 12	2 13	16 9	0 46	0 32	1 56	31 56	11 49	21 20	21 5	26 26		n.a.
W21	23 32	22 1	4 47	23 46	1 4	12 12	2 38	23 8	4 13	23 59	0 32	11 11	2 13	16 10	0 46	0 32	1 56	31 57	11 49	21 21	21 6	26 26		n.a.
T 22	23 35	24 35	4 16	23 27	0 56	12 34	2 36	23 7	4 15	23 58	0 32	11 11	2 13	16 10	0 46	0 33	1 56	31 57	11 49	21 22	21 6	26 26		n.a.
F 23	23 38	26 2	3 34	23 8	0 48	12 55	2 35	23 6	4 16	23 57	0 32	11 10	2 12	16 10	0 46	0 33	1 56	31 58	11 50	21 23	21 7	26 25		n.a.
S 24	23 40	26 19	2 43	22 48	0 40	13 17	2 33	23 6	4 17	23 56	0 32	11 10	2 12	16 11	0 46	0 33	1 56	31 58	11 50	21 24	21 7	26 25		n.a.
S 25	23 42	25 23	1 45	22 27	0 32	13 39	2 32	23 5	4 18	23 55	0 32	11 10	2 12	16 11	0 46	0 33	1 57	31 59	11 50	21 24	21 8	26 25		n.a.
M26	23 43	23 18	0 42	22 5	0 23	14 0	2 30	23 5	4 19	23 55	0 32	11 9	2 12	16 12	0 46	0 34	1 57	31 59	11 50	21 25	21 9	26 24		n.a.
T 27	23 44	20 12	0s23	21 42	0 13	14 21	2 28	23 5	4 20	23 54	0 32	11 9	2 12	16 12	0 46	0 34	1 57	31 59	11 50	21 25	21 9	26 24		n.a.
W28	23 45	16 13	1 28	21 19	0 4	14 42	2 27	23 5	4 20	23 53	0 33	11 8	2 11	16 12	0 46	0 34	1 57	32 0	11 51	21 24	21 10	26 24		n.a.
T 29	23 45	11 32	2 30	20 56	0s 6	15 3	2 25	23 5	4 21	23 52	0 33	11 8	2 11	16 13	0 47	0 34	1 57	32 0	11 51	21 24	21 10	26 23		n.a.
F 30	23n45	6n18	3s26	20n33	0s16	15n23	2s23	23s 5	4s21	23n51	0n33	11s 8	2n11	16s13	0s47	0n34	1s57	32s 1	11s51	21s24	21s11	26n23		n.a.

Julian Day Number = 1564516.5, Delta T = 04h21m54s
Ecliptic obliquity = 23°44'54, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'18, Lahiri = - 9°53'18 Julian Calendar 1 June 430 BCE == Greg. Calendar 27 May 430 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

JULY 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 12 22	2♋ 3'03	18♍31	29♋12	20♉ 2	23°D27	11♋ 1	4°R28	18°R27	5♈52	29°R45	25♏ 4	26♏ 8	22♊50	n.a.	S 1
S 2	18 16 18	3° 0'27	1♎34	0♌15	21° 9	23♏27	11°14	4♏27	18♒25	5°52	29♏44	25°R 5	26° 5	22°57	n.a.	S 2
M 3	18 20 15	3°57'51	15° 1	1°15	22°16	23°29	11°27	4°25	18°24	5°53	29°42	25° 4	26° 2	23° 4	n.a.	M 3
T 4	18 24 11	4°55'17	28°54	2°13	23°24	23°31	11°40	4°24	18°22	5°53	29°41	25° 3	25°59	23°10	n.a.	T 4
W 5	18 28 8	5°52'43	13♏13	3° 8	24°31	23°34	11°53	4°23	18°21	5°54	29°40	25° 1	25°55	23°17	n.a.	W 5
T 6	18 32 5	6°50'10	27°54	3°59	25°39	23°38	12° 6	4°22	18°19	5°54	29°39	24°59	25°52	23°24	n.a.	T 6
F 7	18 36 1	7°47'39	12♐54	4°48	26°47	23°42	12°20	4°21	18°18	5°54	29°38	24°57	25°49	23°30	n.a.	F 7
S 8	18 39 58	8°45'08	28° 3	5°33	27°54	23°48	12°33	4°21	18°16	5°55	29°37	24°55	25°46	23°37	n.a.	S 8
S 9	18 43 54	9°42'39	13♑14	6°14	29° 3	23°54	12°46	4°20	18°14	5°55	29°35	24°54	25°43	23°44	n.a.	S 9
M10	18 47 51	10°40'11	28°15	6°52	0♊11	24° 1	12°59	4°20	18°13	5°55	29°34	24°D54	25°40	23°50	n.a.	M10
T 11	18 51 47	11°37'44	12♒59	7°26	1°19	24° 9	13°12	4°19	18°11	5°55	29°33	24°54	25°36	23°57	n.a.	T 11
W12	18 55 44	12°35'18	27°21	7°56	2°28	24°18	13°25	4°19	18° 9	5°55	29°32	24°55	25°33	24° 4	n.a.	W12
T 13	18 59 41	13°32'55	11♓16	8°21	3°36	24°27	13°38	4°18	18° 7	5°55	29°31	24°56	25°30	24°10	n.a.	T 13
F 14	19 3 37	14°30'32	24°45	8°42	4°45	24°37	13°52	4°18	18° 5	5°55	29°29	24°57	25°27	24°17	n.a.	F 14
S 15	19 7 34	15°28'12	7♈48	8°58	5°54	24°48	14° 5	4°D18	18° 3	5°56	29°28	24°57	25°24	24°24	n.a.	S 15
S 16	19 11 30	16°25'53	20°29	9° 8	7° 3	25° 0	14°18	4°18	18° 2	5°R56	29°27	24°R57	25°21	24°30	n.a.	S 16
M17	19 15 27	17°23'36	2♉52	9°14	8°12	25°12	14°31	4°18	18° 0	5°56	29°26	24°57	25°17	24°37	n.a.	M17
T 18	19 19 23	18°21'21	15° 0	9°R14	9°21	25°25	14°44	4°18	17°58	5°55	29°24	24°56	25°14	24°44	n.a.	T 18
W19	19 23 20	19°19'08	26°58	9° 9	10°31	25°39	14°57	4°19	17°56	5°55	29°23	24°56	25°11	24°50	n.a.	W19
T 20	19 27 16	20°16'56	8♊50	8°58	11°40	25°53	15°11	4°19	17°54	5°55	29°22	24°55	25° 8	24°57	n.a.	T 20
F 21	19 31 13	21°14'46	20°38	8°41	12°50	26° 8	15°24	4°20	17°52	5°55	29°21	24°55	25° 5	25° 4	n.a.	F 21
S 22	19 35 10	22°12'38	2♋27	8°18	13°59	26°24	15°37	4°20	17°49	5°55	29°19	24°54	25° 1	25°10	n.a.	S 22
S 23	19 39 6	23°10'32	14°18	7°50	15° 9	26°40	15°50	4°21	17°47	5°55	29°18	24°54	24°58	25°17	n.a.	S 23
M24	19 43 3	24° 8'27	26°15	7°16	16°19	26°57	16° 3	4°22	17°45	5°54	29°17	24°D54	24°55	25°24	n.a.	M24
T 25	19 46 59	25° 6'24	8♌19	6°37	17°29	27°15	16°16	4°23	17°43	5°54	29°15	24°R54	24°52	25°30	n.a.	T 25
W26	19 50 56	26° 4'22	20°31	5°53	18°39	27°33	16°29	4°24	17°41	5°54	29°14	24°54	24°49	25°37	n.a.	W26
T 27	19 54 52	27° 2'22	2♍55	5° 5	19°50	27°52	16°42	4°25	17°39	5°53	29°13	24°54	24°46	25°44	n.a.	T 27
F 28	19 58 49	28° 0'24	15°31	4°13	21° 0	28°12	16°55	4°26	17°36	5°53	29°12	24°53	24°42	25°50	n.a.	F 28
S 29	20 2 45	28°58'27	28°23	3°18	22°10	28°32	17° 8	4°27	17°34	5°53	29°10	24°53	24°39	25°57	n.a.	S 29
S 30	20 6 42	29°56'31	11♎30	2°22	23°21	28°53	17°21	4°28	17°32	5°52	29° 9	24°53	24°36	26° 4	n.a.	S 30
M31	20 10 39	0♌54'37	24♎57	1♌25	24♊32	29♏14	17♋34	4♏30	17♒30	5♈52	29♏ 8	24°D52	24♏33	26♊10	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n44	0n43	4s14	20n 9	0s27	15n43	2s21	23s 6	4s22	23n50	0n33	11s 8	2n11	16s14	0s47	0n34	1s57	32s 1	11s51	21s24	21s12	26n23		n.a.
S 2	23 43	5s 3	4 50	19 45	0 38	16 3	2 18	23 6	4 22	23 49	0 33	11 7	2 10	16 14	0 47	0 34	1 57	32 2	11 51	21 24	21 12	26 22		n.a.
M 3	23 41	10 45	5 11	19 21	0 49	16 23	2 16	23 7	4 23	23 48	0 33	11 7	2 10	16 15	0 47	0 35	1 57	32 2	11 52	21 24	21 13	26 22		n.a.
T 4	23 39	16 7	5 15	18 57	1 0	16 42	2 14	23 7	4 23	23 47	0 33	11 7	2 10	16 15	0 47	0 35	1 57	32 3	11 52	21 24	21 13	26 22		n.a.
W 5	23 37	20 46	5 0	18 33	1 11	17 1	2 11	23 8	4 23	23 45	0 33	11 7	2 10	16 16	0 47	0 35	1 57	32 3	11 52	21 24	21 14	26 21		n.a.
T 6	23 34	24 15	4 25	18 10	1 23	17 20	2 9	23 9	4 23	23 44	0 33	11 7	2 9	16 16	0 47	0 35	1 57	32 3	11 52	21 25	21 15	26 21		n.a.
F 7	23 31	26 8	3 32	17 47	1 34	17 38	2 7	23 11	4 23	23 43	0 33	11 7	2 9	16 17	0 47	0 35	1 57	32 4	11 52	21 25	21 15	26 20		n.a.
S 8	23 27	26 7	2 23	17 25	1 46	17 56	2 4	23 12	4 23	23 42	0 33	11 7	2 9	16 17	0 47	0 35	1 57	32 4	11 52	21 25	21 16	26 20		n.a.
S 9	23 23	24 9	1 4	17 3	1 58	18 14	2 1	23 13	4 23	23 41	0 33	11 7	2 9	16 18	0 47	0 35	1 58	32 5	11 53	21 26	21 16	26 19		n.a.
M10	23 19	20 29	0n19	16 42	2 10	18 31	1 59	23 15	4 22	23 40	0 33	11 7	2 8	16 19	0 47	0 35	1 58	32 5	11 53	21 26	21 17	26 19		n.a.
T 11	23 14	15 34	1 39	16 22	2 22	18 48	1 56	23 17	4 22	23 38	0 34	11 7	2 8	16 19	0 47	0 35	1 58	32 6	11 53	21 25	21 18	26 19		n.a.
W12	23 9	9 53	2 50	16 2	2 34	19 4	1 53	23 18	4 22	23 37	0 34	11 7	2 8	16 20	0 47	0 35	1 58	32 6	11 53	21 25	21 18	26 18		n.a.
T 13	23 3	3 54	3 50	15 44	2 46	19 20	1 50	23 20	4 21	23 36	0 34	11 7	2 8	16 20	0 47	0 35	1 58	32 6	11 53	21 25	21 19	26 18		n.a.
F 14	22 57	2n 4	4 34	15 28	2 58	19 36	1 47	23 23	4 21	23 35	0 34	11 7	2 7	16 21	0 47	0 35	1 58	32 7	11 53	21 25	21 19	26 17		n.a.
S 15	22 50	7 46	5 3	15 12	3 9	19 51	1 45	23 25	4 20	23 33	0 34	11 8	2 7	16 22	0 47	0 35	1 58	32 7	11 53	21 25	21 20	26 17		n.a.
S 16	22 43	12 58	5 16	14 59	3 20	20 6	1 42	23 27	4 20	23 32	0 34	11 8	2 7	16 22	0 47	0 35	1 58	32 8	11 54	21 25	21 21	26 16		n.a.
M17	22 36	17 32	5 14	14 47	3 31	20 20	1 39	23 30	4 19	23 31	0 34	11 8	2 7	16 23	0 47	0 35	1 58	32 8	11 54	21 25	21 21	26 16		n.a.
T 18	22 28	21 17	4 58	14 37	3 41	20 34	1 36	23 32	4 18	23 29	0 34	11 8	2 6	16 23	0 47	0 35	1 58	32 8	11 54	21 25	21 22	26 15		n.a.
W19	22 20	24 5	4 29	14 29	3 51	20 47	1 33	23 35	4 18	23 28	0 34	11 9	2 6	16 24	0 47	0 35	1 58	32 9	11 54	21 25	21 22	26 15		n.a.
T 20	22 12	25 49	3 49	14 23	4 0	21 0	1 29	23 38	4 17	23 27	0 34	11 9	2 6	16 25	0 47	0 34	1 58	32 9	11 54	21 25	21 23	26 14		n.a.
F 21	22 3	26 23	2 59	14 20	4 8	21 12	1 26	23 41	4 16	23 25	0 35	11 9	2 6	16 25	0 47	0 34	1 58	32 10	11 54	21 25	21 24	26 14		n.a.
S 22	21 53	25 45	2 2	14 19	4 15	21 24	1 23	23 44	4 15	23 24	0 35	11 10	2 5	16 26	0 47	0 34	1 58	32 10	11 54	21 25	21 24	26 13		n.a.
S 23	21 44	23 56	0 59	14 21	4 21	21 35	1 20	23 47	4 14	23 22	0 35	11 10	2 5	16 27	0 47	0 34	1 58	32 10	11 54	21 25	21 25	26 13		n.a.
M24	21 34	21 3	0s 7	14 25	4 26	21 46	1 17	23 50	4 14	23 21	0 35	11 11	2 5	16 27	0 47	0 34	1 59	32 11	11 54	21 25	21 25	26 12		n.a.
T 25	21 23	17 14	1 14	14 31	4 29	21 56	1 14	23 53	4 13	23 19	0 35	11 11	2 5	16 28	0 47	0 34	1 59	32 11	11 54	21 25	21 26	26 12		n.a.
W26	21 12	12 40	2 18	14 41	4 30	22 5	1 10	23 57	4 12	23 18	0 35	11 12	2 4	16 29	0 47	0 34	1 59	32 11	11 54	21 26	21 26	26 11		n.a.
T 27	21 1	7 31	3 16	14 53	4 30	22 14	1 7	24 0	4 11	23 16	0 35	11 13	2 4	16 29	0 47	0 33	1 59	32 12	11 55	21 26	21 27	26 11		n.a.
F 28	20 50	2 1	4 6	15 7	4 28	22 23	1 4	24 4	4 10	23 15	0 35	11 13	2 4	16 30	0 47	0 33	1 59	32 12	11 55	21 26	21 28	26 10		n.a.
S 29	20 38	3s41	4 44	15 23	4 24	22 30	1 0	24 7	4 9	23 13	0 35	11 14	2 4	16 31	0 47	0 33	1 59	32 12	11 55	21 26	21 28	26 10		n.a.
S 30	20 25	9 20	5 9	15 42	4 18	22 38	0 57	24 11	4 7	23 11	0 35	11 15	2 3	16 32	0 47	0 33	1 59	32 13	11 55	21 26	21 29	26 9		n.a.
M31	20n13	14s41	5s17	16n 2	4s10	22n44	0s54	24s15	4s 6	23n10	0n36	11s15	2n 3	16s32	0s47	0n32	1s59	32s13	11s55	21s26	21s29	26n 8		n.a.

Julian Day Number = 1564546.5, Delta T = 04h21m53s
Ecliptic obliquity = 23°44'54, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'14, Lahiri = - 9°53'14 Julian Calendar 1 July 430 BCE == Greg. Calendar 26 June 430 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

AUGUST 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 14 35	1♌52'45	8♏43	0°R29	25♊42	29♏36	17♋47	4♏31	17°R27	5°R51	29°R 6	24♉52	24♉30	26♊17	n.a.	T 1
W 2	20 18 32	2°50'54	22°48	29♋35	26°53	29°58	18° 0	4°33	17♒25	5♈51	29♉ 5	24°53	24°27	26°24	n.a.	W 2
T 3	20 22 28	3°49'05	7♐12	28°44	28° 4	0♐21	18°13	4°35	17°23	5°50	29° 4	24°53	24°23	26°30	n.a.	T 3
F 4	20 26 25	4°47'18	21°52	27°57	29°15	0°44	18°26	4°37	17°21	5°49	29° 2	24°54	24°20	26°37	n.a.	F 4
S 5	20 30 21	5°45'32	6♑42	27°16	0♋26	1° 8	18°39	4°39	17°18	5°49	29° 1	24°55	24°17	26°44	n.a.	S 5
S 6	20 34 18	6°43'48	21°37	26°41	1°38	1°33	18°52	4°41	17°16	5°48	29° 0	24°R55	24°14	26°50	n.a.	S 6
M 7	20 38 14	7°42'05	6♒28	26°13	2°49	1°57	19° 5	4°43	17°13	5°48	28°59	24°55	24°11	26°57	n.a.	M 7
T 8	20 42 11	8°40'25	21° 7	25°53	4° 0	2°23	19°17	4°45	17°11	5°47	28°57	24°54	24° 7	27° 4	n.a.	T 8
W 9	20 46 8	9°38'46	5♓29	25°42	5°12	2°48	19°30	4°47	17° 9	5°46	28°56	24°53	24° 4	27°10	n.a.	W 9
T 10	20 50 4	10°37'10	19°28	25°D40	6°23	3°15	19°43	4°50	17° 6	5°45	28°55	24°51	24° 1	27°17	n.a.	T 10
F 11	20 54 1	11°35'35	3♈ 2	25°46	7°35	3°41	19°55	4°52	17° 4	5°44	28°54	24°49	23°58	27°24	n.a.	F 11
S 12	20 57 57	12°34'03	16°11	26° 2	8°47	4° 8	20° 8	4°55	17° 2	5°44	28°52	24°47	23°55	27°30	n.a.	S 12
S 13	21 1 54	13°32'33	28°56	26°27	9°59	4°36	20°21	4°57	16°59	5°43	28°51	24°45	23°52	27°37	n.a.	S 13
M14	21 5 50	14°31'06	11♉20	27° 1	11°11	5° 3	20°33	5° 0	16°57	5°42	28°50	24°D44	23°48	27°44	n.a.	M14
T 15	21 9 47	15°29'41	23°29	27°44	12°23	5°32	20°46	5° 3	16°54	5°41	28°49	24°45	23°45	27°50	n.a.	T 15
W16	21 13 43	16°28'18	5♊26	28°35	13°35	6° 0	20°58	5° 6	16°52	5°40	28°47	24°46	23°42	27°57	n.a.	W16
T 17	21 17 40	17°26'57	17°16	29°33	14°47	6°29	21°11	5° 9	16°50	5°39	28°46	24°47	23°39	28° 4	n.a.	T 17
F 18	21 21 37	18°25'39	29° 4	0♌39	15°59	6°59	21°23	5°12	16°47	5°38	28°45	24°49	23°36	28°10	n.a.	F 18
S 19	21 25 33	19°24'23	10♋55	1°51	17°12	7°28	21°36	5°15	16°45	5°37	28°44	24°50	23°33	28°17	n.a.	S 19
S 20	21 29 30	20°23'09	22°51	3°10	18°24	7°59	21°48	5°18	16°42	5°36	28°43	24°R51	23°29	28°24	n.a.	S 20
M21	21 33 26	21°21'58	4♌56	4°33	19°37	8°29	22° 0	5°21	16°40	5°35	28°41	24°51	23°26	28°30	n.a.	M21
T 22	21 37 23	22°20'48	17°13	6° 2	20°50	9° 0	22°12	5°25	16°38	5°34	28°40	24°49	23°23	28°37	n.a.	T 22
W23	21 41 19	23°19'41	29°42	7°34	22° 2	9°31	22°25	5°28	16°35	5°33	28°39	24°46	23°20	28°43	n.a.	W23
T 24	21 45 16	24°18'36	12♍24	9°10	23°15	10° 2	22°37	5°32	16°33	5°31	28°38	24°41	23°17	28°50	n.a.	T 24
F 25	21 49 12	25°17'32	25°21	10°49	24°28	10°34	22°49	5°36	16°30	5°30	28°37	24°36	23°13	28°57	n.a.	F 25
S 26	21 53 9	26°16'31	8♎30	12°31	25°41	11° 6	23° 1	5°39	16°28	5°29	28°36	24°31	23°10	29° 3	n.a.	S 26
S 27	21 57 5	27°15'32	21°53	14°14	26°54	11°39	23°13	5°43	16°26	5°28	28°35	24°27	23° 7	29°10	n.a.	S 27
M28	22 1 2	28°14'35	5♏29	15°59	28° 7	12°11	23°25	5°47	16°23	5°26	28°33	24°23	23° 4	29°17	n.a.	M28
T 29	22 4 59	29°13'39	19°16	17°45	29°20	12°44	23°36	5°51	16°21	5°25	28°32	24°21	23° 1	29°23	n.a.	T 29
W30	22 8 55	0♍12'46	3♐15	19°32	0♌33	13°18	23°48	5°55	16°19	5°24	28°31	24°D21	22°58	29°30	n.a.	W30
T 31	22 12 52	1♍11'54	17♐25	21♌20	1♌46	13♐51	24♋ 0	5♏59	16♒16	5♈23	28♑30	24♑22	22♑54	29♊37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	20n 0	19s26	5s 8	16n24	4s 0	22n50	0s51	24s19	4s 5	23n 8	0n36	11s16	2n 3	16s33	0s47	0n32	1s59	32s13	11s55	21s26	21s30	26n 8			n.a.
W 2	19 46	23 14	4 41	16 46	3 49	22 55	0 47	24 22	4 4	23 7	0 36	11 17	2 3	16 34	0 47	0 32	1 59	32 14	11 55	21 26	21 30	26 7			n.a.
T 3	19 33	25 39	3 55	17 10	3 36	23 0	0 44	24 26	4 3	23 5	0 36	11 18	2 2	16 34	0 47	0 32	1 59	32 14	11 55	21 26	21 31	26 7			n.a.
F 4	19 19	26 23	2 53	17 34	3 21	23 4	0 41	24 30	4 2	23 3	0 36	11 19	2 2	16 35	0 47	0 31	1 59	32 14	11 55	21 25	21 32	26 6			n.a.
S 5	19 4	25 14	1 39	17 57	3 5	23 8	0 37	24 34	4 0	23 2	0 36	11 19	2 2	16 36	0 47	0 31	1 59	32 15	11 55	21 25	21 32	26 6			n.a.
S 6	18 50	22 17	0 18	18 21	2 48	23 10	0 34	24 38	3 59	23 0	0 36	11 20	2 2	16 37	0 47	0 31	1 59	32 15	11 55	21 25	21 33	26 5			n.a.
M 7	18 35	17 52	1n 4	18 44	2 30	23 12	0 31	24 42	3 58	22 58	0 36	11 21	2 1	16 37	0 47	0 30	1 59	32 15	11 55	21 25	21 33	26 4			n.a.
T 8	18 20	12 26	2 20	19 5	2 12	23 14	0 27	24 46	3 57	22 57	0 36	11 22	2 1	16 38	0 47	0 30	1 59	32 16	11 55	21 25	21 34	26 4			n.a.
W 9	18 4	6 26	3 26	19 26	1 53	23 15	0 24	24 50	3 55	22 55	0 37	11 23	2 1	16 39	0 47	0 30	2 0	32 16	11 55	21 26	21 34	26 3			n.a.
T 10	17 48	0 16	4 18	19 45	1 34	23 15	0 21	24 54	3 54	22 53	0 37	11 24	2 1	16 40	0 47	0 29	2 0	32 16	11 55	21 26	21 35	26 2			n.a.
F 11	17 32	5n42	4 54	20 2	1 16	23 14	0 18	24 58	3 53	22 51	0 37	11 25	2 0	16 40	0 47	0 29	2 0	32 16	11 55	21 26	21 36	26 2			n.a.
S 12	17 15	11 14	5 12	20 16	0 57	23 13	0 14	25 2	3 51	22 50	0 37	11 26	2 0	16 41	0 47	0 28	2 0	32 17	11 55	21 27	21 36	26 1			n.a.
S 13	16 58	16 8	5 15	20 29	0 40	23 11	0 11	25 6	3 50	22 48	0 37	11 28	2 0	16 42	0 47	0 28	2 0	32 17	11 55	21 27	21 37	26 0			n.a.
M14	16 41	20 13	5 3	20 39	0 23	23 8	0 8	25 10	3 48	22 46	0 37	11 29	2 0	16 43	0 47	0 28	2 0	32 17	11 55	21 27	21 37	26 0			n.a.
T 15	16 24	23 21	4 37	20 47	0 6	23 5	0 5	25 13	3 47	22 44	0 37	11 30	1 59	16 43	0 47	0 27	2 0	32 17	11 55	21 27	21 38	25 59			n.a.
W16	16 6	25 25	4 0	20 51	0n 9	23 1	0 2	25 17	3 46	22 42	0 37	11 31	1 59	16 44	0 47	0 27	2 0	32 18	11 55	21 27	21 38	25 58			n.a.
T 17	15 48	26 19	3 13	20 53	0 23	22 57	0n 2	25 21	3 44	22 40	0 38	11 32	1 59	16 45	0 47	0 26	2 0	32 18	11 55	21 27	21 39	25 58			n.a.
F 18	15 30	26 2	2 17	20 52	0 36	22 51	0 5	25 25	3 43	22 39	0 38	11 34	1 59	16 46	0 47	0 26	2 0	32 18	11 55	21 26	21 39	25 57			n.a.
S 19	15 11	24 33	1 16	20 47	0 49	22 45	0 8	25 28	3 41	22 37	0 38	11 35	1 58	16 46	0 47	0 25	2 0	32 18	11 54	21 26	21 40	25 56			n.a.
S 20	14 53	21 58	0 11	20 40	1 0	22 39	0 11	25 32	3 40	22 35	0 38	11 36	1 58	16 47	0 47	0 25	2 0	32 18	11 54	21 26	21 41	25 56			n.a.
M21	14 34	18 23	0s55	20 30	1 10	22 31	0 14	25 36	3 38	22 33	0 38	11 37	1 58	16 48	0 47	0 25	2 0	32 19	11 54	21 26	21 41	25 55			n.a.
T 22	14 14	13 59	2 0	20 16	1 18	22 23	0 17	25 39	3 37	22 31	0 38	11 39	1 58	16 48	0 47	0 24	2 0	32 19	11 54	21 26	21 42	25 54			n.a.
W23	13 55	8 55	3 0	20 0	1 26	22 15	0 20	25 43	3 35	22 29	0 38	11 40	1 58	16 49	0 47	0 24	2 0	32 19	11 54	21 27	21 42	25 53			n.a.
T 24	13 35	3 26	3 52	19 41	1 33	22 5	0 23	25 46	3 34	22 27	0 39	11 42	1 57	16 50	0 47	0 23	2 0	32 19	11 54	21 28	21 43	25 53			n.a.
F 25	13 15	2s17	4 33	19 19	1 38	21 55	0 25	25 49	3 32	22 26	0 39	11 43	1 57	16 51	0 47	0 22	2 0	32 19	11 54	21 29	21 43	25 52			n.a.
S 26	12 55	8 0	5 0	18 55	1 43	21 45	0 28	25 53	3 31	22 24	0 39	11 45	1 57	16 51	0 47	0 22	2 0	32 19	11 54	21 30	21 44	25 51			n.a.
S 27	12 35	13 26	5 12	18 28	1 47	21 33	0 31	25 56	3 29	22 22	0 39	11 46	1 57	16 52	0 47	0 21	2 1	32 20	11 54	21 30	21 44	25 50			n.a.
M28	12 14	18 19	5 6	17 59	1 49	21 21	0 34	25 59	3 28	22 20	0 39	11 48	1 56	16 53	0 47	0 21	2 1	32 20	11 54	21 31	21 45	25 50			n.a.
T 29	11 53	22 18	4 43	17 28	1 51	21 9	0 36	26 2	3 26	22 18	0 39	11 49	1 56	16 54	0 47	0 20	2 1	32 20	11 54	21 31	21 45	25 49			n.a.
W30	11 32	25 3	4 3	16 55	1 52	20 56	0 39	26 4	3 25	22 16	0 39	11 51	1 56	16 54	0 47	0 20	2 1	32 20	11 53	21 31	21 46	25 48			n.a.
T 31	11n11	26s16	3s 8	16n21	1n53	20n42	0n42	26s 7	3s23	22n14	0n40	11s52	1n56	16s55	0s47	0n19	2s 1	32s20	11s53	21s31	21s46	25n47			n.a.

Julian Day Number = 1564577.5, Delta T = 04h21m51s
Ecliptic obliquity = 23°44'54, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'10, Lahiri = - 9°53'09 Julian Calendar 1 Aug. 430 BCE == Greg. Calendar 27 July 430 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

SEPTEMBER 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 16 48	2♍11'04	1♉44	23♌ 8	3♌ 0	14♐25	24♋12	6♏ 3	16°R14	5°R21	28°R29	24♉23	22♉51	29♊43	n.a.	F 1
S 2	22 20 45	3°10'16	16° 9	24°56	4°13	14°59	24°23	6° 8	16♒12	5♈20	28♉28	24°24	22°48	29°50	n.a.	S 2
S 3	22 24 41	4° 9'30	0♒38	26°44	5°27	15°33	24°35	6°12	16°10	5°19	28°27	24°R25	22°45	29°57	n.a.	S 3
M 4	22 28 38	5° 8'46	15° 6	28°31	6°40	16° 8	24°46	6°17	16° 7	5°17	28°26	24°23	22°42	0♋ 3	n.a.	M 4
T 5	22 32 34	6° 8'04	29°27	0♍19	7°54	16°43	24°58	6°21	16° 5	5°16	28°25	24°19	22°38	0°10	n.a.	T 5
W 6	22 36 31	7° 7'24	13♓36	2° 6	9° 7	17°18	25° 9	6°26	16° 3	5°14	28°24	24°14	22°35	0°17	n.a.	W 6
T 7	22 40 28	8° 6'46	27°28	3°52	10°21	17°53	25°20	6°30	16° 1	5°13	28°23	24° 7	22°32	0°23	n.a.	T 7
F 8	22 44 24	9° 6'10	10♈59	5°38	11°35	18°28	25°31	6°35	15°58	5°11	28°22	23°59	22°29	0°30	n.a.	F 8
S 9	22 48 21	10° 5'37	24° 8	7°23	12°49	19° 4	25°42	6°40	15°56	5°10	28°21	23°51	22°26	0°37	n.a.	S 9
S 10	22 52 17	11° 5'06	6♉54	9° 8	14° 3	19°40	25°53	6°45	15°54	5° 8	28°21	23°45	22°23	0°43	n.a.	S 10
M11	22 56 14	12° 4'37	19°20	10°52	15°17	20°16	26° 4	6°49	15°52	5° 7	28°20	23°40	22°19	0°50	n.a.	M11
T 12	23 0 10	13° 4'11	1♊30	12°36	16°31	20°52	26°15	6°54	15°50	5° 5	28°19	23°38	22°16	0°57	n.a.	T 12
W13	23 4 7	14° 3'47	13°27	14°18	17°45	21°28	26°26	7° 0	15°48	5° 4	28°18	23°D37	22°13	1° 3	n.a.	W13
T 14	23 8 3	15° 3'26	25°18	16° 0	18°59	22° 5	26°37	7° 5	15°46	5° 2	28°17	23°37	22°10	1°10	n.a.	T 14
F 15	23 12 0	16° 3'07	7♋ 6	17°42	20°13	22°42	26°47	7°10	15°44	5° 1	28°16	23°38	22° 7	1°17	n.a.	F 15
S 16	23 15 56	17° 2'50	18°58	19°22	21°27	23°19	26°58	7°15	15°42	4°59	28°16	23°R39	22° 4	1°23	n.a.	S 16
S 17	23 19 53	18° 2'36	0♌58	21° 2	22°42	23°56	27° 8	7°20	15°40	4°57	28°15	23°39	22° 0	1°30	n.a.	S 17
M18	23 23 50	19° 2'24	13°10	22°42	23°56	24°33	27°18	7°26	15°38	4°56	28°14	23°37	21°57	1°37	n.a.	M18
T 19	23 27 46	20° 2'14	25°38	24°21	25°10	25°11	27°29	7°31	15°36	4°54	28°13	23°33	21°54	1°43	n.a.	T 19
W20	23 31 43	21° 2'06	8♍24	25°59	26°25	25°49	27°39	7°37	15°35	4°53	28°13	23°26	21°51	1°50	n.a.	W20
T 21	23 35 39	22° 2'01	21°27	27°36	27°39	26°27	27°49	7°42	15°33	4°51	28°12	23°17	21°48	1°57	n.a.	T 21
F 22	23 39 36	23° 1'57	4♎48	29°13	28°54	27° 5	27°59	7°48	15°31	4°49	28°11	23° 6	21°44	2° 3	n.a.	F 22
S 23	23 43 32	24° 1'56	18°23	0♎50	0♍ 8	27°43	28° 9	7°53	15°29	4°48	28°11	22°56	21°41	2°10	n.a.	S 23
S 24	23 47 29	25° 1'56	2♏10	2°25	1°23	28°21	28°18	7°59	15°28	4°46	28°10	22°46	21°38	2°16	n.a.	S 24
M25	23 51 25	26° 1'58	16° 6	4° 1	2°38	29° 0	28°28	8° 5	15°26	4°44	28°10	22°38	21°35	2°23	n.a.	M25
T 26	23 55 22	27° 2'03	0♐ 7	5°35	3°52	29°38	28°38	8°11	15°24	4°43	28° 9	22°32	21°32	2°30	n.a.	T 26
W27	23 59 19	28° 2'08	14°12	7°10	5° 7	0♑17	28°47	8°16	15°23	4°41	28° 8	22°30	21°29	2°36	n.a.	W27
T 28	0 3 15	29° 2'16	28°18	8°43	6°22	0°56	28°56	8°22	15°21	4°39	28° 8	22°D29	21°25	2°43	n.a.	T 28
F 29	0 7 12	0♎ 2'25	12♑24	10°17	7°37	1°35	29° 6	8°28	15°20	4°38	28° 7	22°29	21°22	2°50	n.a.	F 29
S 30	0 11 8	1♎ 2'36	26♑30	11♎49	8♍51	2♑14	29♋15	8♏34	15♒18	4♈36	28♑ 7	22°R29	21♑19	2♋56	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n50	25 s45	2 s 0	15n45	1n52	20n27	0n44	26 s10	3 s22	22n12	0n40	11 s54	1n56	16 s56	0 s47	0n19	2 s 1	32 s20	11 s53	21 s31	21 s47	25n46		n.a.
S 2	10 28	23 30	0 45	15 8	1 51	20 12	0 47	26 12	3 20	22 10	0 40	11 55	1 55	16 56	0 47	0 18	2 1	32 20	11 53	21 31	21 48	25 46		n.a.
S 3	10 7	19 43	0n34	14 29	1 50	19 57	0 49	26 15	3 19	22 8	0 40	11 57	1 55	16 57	0 47	0 17	2 1	32 20	11 53	21 31	21 48	25 45		n.a.
M 4	9 45	14 46	1 50	13 49	1 48	19 40	0 51	26 17	3 17	22 6	0 40	11 59	1 55	16 58	0 47	0 17	2 1	32 21	11 53	21 31	21 49	25 44		n.a.
T 5	9 23	9 2	2 58	13 8	1 45	19 24	0 54	26 19	3 15	22 5	0 40	12 0	1 55	16 58	0 47	0 16	2 1	32 21	11 53	21 32	21 49	25 43		n.a.
W 6	9 0	2 55	3 55	12 27	1 42	19 6	0 56	26 21	3 14	22 3	0 41	12 2	1 55	16 59	0 47	0 16	2 1	32 21	11 53	21 33	21 50	25 42		n.a.
T 7	8 38	3n11	4 36	11 45	1 39	18 48	0 58	26 23	3 12	22 1	0 41	12 4	1 54	17 0	0 47	0 15	2 1	32 21	11 52	21 34	21 50	25 42		n.a.
F 8	8 16	9 0	5 1	11 2	1 35	18 30	1 0	26 24	3 11	21 59	0 41	12 6	1 54	17 0	0 47	0 14	2 1	32 21	11 52	21 35	21 51	25 41		n.a.
S 9	7 53	14 14	5 8	10 18	1 30	18 11	1 2	26 26	3 9	21 57	0 41	12 7	1 54	17 1	0 47	0 14	2 1	32 21	11 52	21 37	21 51	25 40		n.a.
S 10	7 30	18 43	5 0	9 34	1 26	17 51	1 4	26 27	3 8	21 55	0 41	12 9	1 54	17 1	0 47	0 13	2 1	32 21	11 52	21 38	21 52	25 39		n.a.
M11	7 7	22 14	4 38	8 50	1 21	17 31	1 6	26 29	3 6	21 53	0 41	12 11	1 54	17 2	0 47	0 13	2 1	32 21	11 52	21 39	21 52	25 38		n.a.
T 12	6 44	24 42	4 4	8 5	1 16	17 10	1 8	26 30	3 4	21 51	0 42	12 13	1 53	17 3	0 47	0 12	2 1	32 21	11 52	21 39	21 53	25 37		n.a.
W13	6 21	26 0	3 19	7 20	1 11	16 49	1 10	26 31	3 3	21 49	0 42	12 15	1 53	17 3	0 47	0 11	2 1	32 21	11 51	21 39	21 53	25 36		n.a.
T 14	5 58	26 6	2 27	6 35	1 5	16 28	1 12	26 31	3 1	21 47	0 42	12 16	1 53	17 4	0 47	0 11	2 1	32 21	11 51	21 39	21 54	25 35		n.a.
F 15	5 34	25 1	1 28	5 50	0 59	16 6	1 13	26 32	3 0	21 45	0 42	12 18	1 53	17 4	0 47	0 10	2 1	32 21	11 51	21 39	21 54	25 35		n.a.
S 16	5 11	22 48	0 25	5 5	0 54	15 43	1 15	26 33	2 58	21 44	0 42	12 20	1 53	17 5	0 47	0 9	2 1	32 21	11 51	21 39	21 55	25 34		n.a.
S 17	4 47	19 34	0 s39	4 19	0 48	15 20	1 17	26 33	2 57	21 42	0 42	12 22	1 52	17 6	0 47	0 9	2 1	32 21	11 51	21 39	21 55	25 33		n.a.
M18	4 23	15 26	1 43	3 34	0 41	14 57	1 18	26 33	2 55	21 40	0 43	12 24	1 52	17 6	0 47	0 8	2 1	32 21	11 51	21 39	21 56	25 32		n.a.
T 19	4 0	10 35	2 43	2 49	0 35	14 33	1 20	26 33	2 53	21 38	0 43	12 26	1 52	17 7	0 47	0 7	2 1	32 21	11 50	21 40	21 56	25 31		n.a.
W20	3 36	5 12	3 36	2 3	0 29	14 8	1 21	26 33	2 52	21 36	0 43	12 28	1 52	17 7	0 47	0 7	2 1	32 21	11 50	21 41	21 57	25 30		n.a.
T 21	3 12	0 s31	4 19	1 18	0 22	13 44	1 22	26 32	2 50	21 34	0 43	12 30	1 52	17 8	0 47	0 6	2 1	32 21	11 50	21 43	21 58	25 29		n.a.
F 22	2 48	6 20	4 49	0 33	0 16	13 18	1 23	26 32	2 49	21 32	0 43	12 32	1 52	17 8	0 47	0 5	2 1	32 21	11 50	21 44	21 58	25 28		n.a.
S 23	2 24	11 57	5 3	0 s12	0 9	12 53	1 24	26 31	2 47	21 31	0 43	12 34	1 51	17 9	0 47	0 5	2 1	32 21	11 50	21 46	21 59	25 27		n.a.
S 24	2 0	17 3	5 0	0 56	0 2	12 27	1 26	26 30	2 45	21 29	0 44	12 36	1 51	17 9	0 47	0 4	2 1	32 21	11 49	21 48	21 59	25 26		n.a.
M25	1 36	21 19	4 39	1 41	0 s 4	12 1	1 27	26 29	2 44	21 27	0 44	12 38	1 51	17 10	0 47	0 3	2 1	32 21	11 49	21 49	22 0	25 25		n.a.
T 26	1 12	24 22	4 1	2 25	0 11	11 34	1 27	26 27	2 42	21 25	0 44	12 40	1 51	17 10	0 47	0 3	2 1	32 21	11 49	21 50	22 0	25 24		n.a.
W27	0 47	25 56	3 9	3 9	0 18	11 7	1 28	26 26	2 41	21 23	0 44	12 42	1 51	17 11	0 47	0 2	2 1	32 20	11 49	21 51	22 1	25 23		n.a.
T 28	0 23	25 49	2 5	3 52	0 24	10 40	1 29	26 24	2 39	21 22	0 44	12 44	1 51	17 11	0 47	0 1	2 1	32 20	11 48	21 51	22 1	25 22		n.a.
F 29	0 s 1	24 3	0 53	4 36	0 31	10 13	1 30	26 22	2 38	21 20	0 45	12 46	1 50	17 12	0 47	0 0	2 1	32 20	11 48	21 51	22 2	25 21		n.a.
S 30	0 s25	20 s47	0n21	5 s18	0 s38	9n45	1n30	26 s20	2 s36	21n18	0n45	12 s48	1n50	17 s12	0 s47	0 s 0	2 s 1	32 s20	11 s48	21 s51	22 s 2	25n20		n.a.

Julian Day Number = 1564608.5, Delta T = 04h21m50s
Ecliptic obliquity = 23°44'54, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'06, Lahiri = - 9°53'05 Julian Calendar 1 Sept. 430 BCE == Greg. Calendar 27 Aug. 430 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

OCTOBER 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 15 5	2♎ 2'48	10♒34	13♎22	10♍ 6	2♑53	29♋24	8♏40	15°R17	4°R34	28°R 7	22°R28	21♑16	3♋ 3	n.a.	S 1
M 2	0 19 1	3° 3'02	24°34	14°54	11°21	3°33	29°33	8°46	15♒15	4♈33	28♑ 6	22♑24	21°13	3°10	n.a.	M 2
T 3	0 22 58	4° 3'18	8♓29	16°25	12°36	4°12	29°41	8°52	15°14	4°31	28° 6	22°18	21°10	3°16	n.a.	T 3
W 4	0 26 54	5° 3'35	22°14	17°56	13°51	4°52	29°50	8°59	15°13	4°29	28° 5	22° 8	21° 6	3°23	n.a.	W 4
T 5	0 30 51	6° 3'54	5♈48	19°27	15° 6	5°31	29°59	9° 5	15°11	4°27	28° 5	21°57	21° 3	3°30	n.a.	T 5
F 6	0 34 47	7° 4'15	19° 5	20°57	16°21	6°11	0♌ 7	9°11	15°10	4°26	28° 5	21°44	21° 0	3°36	n.a.	F 6
S 7	0 38 44	8° 4'38	2♉ 5	22°26	17°36	6°51	0°15	9°17	15° 9	4°24	28° 4	21°31	20°57	3°43	n.a.	S 7
S 8	0 42 41	9° 5'02	14°46	23°56	18°51	7°31	0°23	9°24	15° 8	4°22	28° 4	21°20	20°54	3°50	n.a.	S 8
M 9	0 46 37	10° 5'29	27°10	25°24	20° 6	8°11	0°31	9°30	15° 7	4°21	28° 4	21°11	20°50	3°56	n.a.	M 9
T 10	0 50 34	11° 5'58	9♊19	26°53	21°22	8°51	0°39	9°37	15° 6	4°19	28° 4	21° 4	20°47	4° 3	n.a.	T 10
W11	0 54 30	12° 6'28	21°16	28°21	22°37	9°32	0°47	9°43	15° 5	4°17	28° 3	21° 0	20°44	4°10	n.a.	W11
T 12	0 58 27	13° 7'01	3♋ 5	29°48	23°52	10°12	0°55	9°49	15° 4	4°16	28° 3	20°59	20°41	4°16	n.a.	T 12
F 13	1 2 23	14° 7'36	14°53	1♏15	25° 7	10°52	1° 2	9°56	15° 3	4°14	28° 3	20°58	20°38	4°23	n.a.	F 13
S 14	1 6 20	15° 8'12	26°44	2°41	26°23	11°33	1°10	10° 2	15° 2	4°12	28° 3	20°58	20°35	4°30	n.a.	S 14
S 15	1 10 16	16° 8'50	8♌45	4° 6	27°38	12°13	1°17	10° 9	15° 1	4°11	28° 3	20°57	20°31	4°36	n.a.	S 15
M16	1 14 13	17° 9'30	21° 0	5°31	28°53	12°54	1°24	10°16	15° 0	4° 9	28° 3	20°55	20°28	4°43	n.a.	M16
T 17	1 18 10	18°10'12	3♍33	6°55	0♎ 8	13°35	1°31	10°22	15° 0	4° 7	28° 3	20°49	20°25	4°49	n.a.	T 17
W18	1 22 6	19°10'55	16°29	8°18	1°24	14°16	1°38	10°29	14°59	4° 6	28°D 3	20°41	20°22	4°56	n.a.	W18
T 19	1 26 3	20°11'40	29°48	9°40	2°39	14°56	1°44	10°36	14°58	4° 4	28° 3	20°30	20°19	5° 3	n.a.	T 19
F 20	1 29 59	21°12'27	13♎29	11° 1	3°55	15°37	1°51	10°42	14°58	4° 3	28° 3	20°17	20°15	5° 9	n.a.	F 20
S 21	1 33 56	22°13'15	27°30	12°21	5°10	16°19	1°57	10°49	14°57	4° 1	28° 3	20° 4	20°12	5°16	n.a.	S 21
S 22	1 37 52	23°14'05	11♏45	13°40	6°25	17° 0	2° 3	10°56	14°57	3°59	28° 3	19°52	20° 9	5°23	n.a.	S 22
M23	1 41 49	24°14'56	26° 9	14°56	7°41	17°41	2° 9	11° 3	14°56	3°58	28° 3	19°42	20° 6	5°29	n.a.	M23
T 24	1 45 45	25°15'48	10♐34	16°11	8°56	18°22	2°15	11°10	14°56	3°56	28° 3	19°35	20° 3	5°36	n.a.	T 24
W25	1 49 42	26°16'42	24°57	17°24	10°12	19° 3	2°21	11°16	14°56	3°55	28° 3	19°31	20° 0	5°43	n.a.	W25
T 26	1 53 39	27°17'36	9♑14	18°35	11°27	19°45	2°26	11°23	14°55	3°53	28° 4	19°29	19°56	5°49	n.a.	T 26
F 27	1 57 35	28°18'32	23°21	19°43	12°43	20°26	2°32	11°30	14°55	3°52	28° 4	19°29	19°53	5°56	n.a.	F 27
S 28	2 1 32	29°19'28	7♒20	20°47	13°58	21° 8	2°37	11°37	14°55	3°50	28° 4	19°29	19°50	6° 3	n.a.	S 28
S 29	2 5 28	0♏20'25	21° 9	21°48	15°14	21°49	2°42	11°44	14°55	3°49	28° 4	19°28	19°47	6° 9	n.a.	S 29
M30	2 9 25	1°21'23	4♓48	22°46	16°29	22°31	2°47	11°51	14°55	3°47	28° 5	19°24	19°44	6°16	n.a.	M30
T 31	2 13 21	2♏22'21	18♓18	23♏38	17♎45	23♑12	2♌52	11♏58	14°D55	3♈46	28♑ 5	19♑17	19♑41	6♋23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	0s49	16s18	1n35	6s 1	0s44	9n17	1n31	26s17	2s34	21n16	0n45	12s50	1n50	17s12	0s47	0s 1	2s 1	32s20	11s48	21s51	22s 3	25n19			n.a.
M 2	1 14	10 58	2 42	6 43	0 51	8 48	1 31	26 15	2 33	21 15	0 45	12 52	1 50	17 13	0 47	0 2	2 1	32 20	11 48	21 52	22 3	25 18			n.a.
T 3	1 38	5 7	3 38	7 25	0 57	8 20	1 32	26 12	2 31	21 13	0 45	12 54	1 50	17 13	0 47	0 2	2 1	32 20	11 47	21 53	22 4	25 17			n.a.
W 4	2 2	0n53	4 22	8 6	1 4	7 51	1 32	26 9	2 30	21 11	0 46	12 57	1 50	17 13	0 47	0 3	2 1	32 20	11 47	21 54	22 4	25 16			n.a.
T 5	2 26	6 45	4 49	8 47	1 10	7 22	1 33	26 6	2 28	21 10	0 46	12 59	1 50	17 14	0 47	0 4	2 1	32 19	11 47	21 56	22 5	25 15			n.a.
F 6	2 50	12 11	5 1	9 27	1 16	6 52	1 33	26 2	2 27	21 8	0 46	13 1	1 49	17 14	0 47	0 4	2 1	32 19	11 47	21 58	22 5	25 14			n.a.
S 7	3 15	16 58	4 56	10 7	1 22	6 23	1 33	25 59	2 25	21 7	0 46	13 3	1 49	17 14	0 47	0 5	2 1	32 19	11 46	22 0	22 6	25 13			n.a.
S 8	3 39	20 52	4 37	10 46	1 28	5 53	1 33	25 55	2 23	21 5	0 47	13 5	1 49	17 15	0 47	0 6	2 1	32 19	11 46	22 2	22 6	25 12			n.a.
M 9	4 3	23 44	4 4	11 24	1 34	5 23	1 33	25 51	2 22	21 4	0 47	13 7	1 49	17 15	0 47	0 6	2 1	32 19	11 46	22 3	22 7	25 11			n.a.
T 10	4 27	25 27	3 22	12 2	1 39	4 53	1 33	25 47	2 20	21 2	0 47	13 9	1 49	17 15	0 46	0 7	2 1	32 19	11 46	22 4	22 7	25 10			n.a.
W11	4 51	25 58	2 31	12 39	1 45	4 23	1 33	25 42	2 19	21 1	0 47	13 12	1 49	17 16	0 46	0 8	2 1	32 18	11 45	22 5	22 8	25 9			n.a.
T 12	5 15	25 16	1 33	13 16	1 50	3 53	1 32	25 38	2 17	20 59	0 47	13 14	1 49	17 16	0 46	0 8	2 1	32 18	11 45	22 5	22 8	25 8			n.a.
F 13	5 38	23 26	0 32	13 51	1 55	3 22	1 32	25 33	2 16	20 58	0 48	13 16	1 49	17 16	0 46	0 9	2 1	32 18	11 45	22 5	22 8	25 7			n.a.
S 14	6 2	20 35	0s31	14 26	2 0	2 51	1 32	25 28	2 14	20 56	0 48	13 18	1 48	17 16	0 46	0 10	2 1	32 18	11 45	22 5	22 9	25 6			n.a.
S 15	6 26	16 49	1 33	15 0	2 5	2 21	1 31	25 23	2 13	20 55	0 48	13 20	1 48	17 17	0 46	0 10	2 1	32 18	11 44	22 5	22 9	25 5			n.a.
M16	6 49	12 17	2 32	15 33	2 9	1 50	1 31	25 17	2 11	20 53	0 48	13 22	1 48	17 17	0 46	0 11	2 1	32 17	11 44	22 6	22 10	25 4			n.a.
T 17	7 13	7 9	3 25	16 5	2 13	1 19	1 30	25 12	2 10	20 52	0 49	13 25	1 48	17 17	0 46	0 12	2 1	32 17	11 44	22 7	22 10	25 3			n.a.
W18	7 36	1 35	4 9	16 36	2 17	0 48	1 30	25 6	2 8	20 51	0 49	13 27	1 48	17 17	0 46	0 12	2 1	32 17	11 44	22 8	22 11	25 2			n.a.
T 19	7 59	4s12	4 41	17 6	2 20	0 17	1 29	25 0	2 7	20 50	0 49	13 29	1 48	17 17	0 46	0 13	2 1	32 17	11 43	22 10	22 11	25 0			n.a.
F 20	8 23	9 57	4 58	17 35	2 23	0s14	1 28	24 53	2 5	20 48	0 49	13 31	1 48	17 17	0 46	0 13	2 1	32 16	11 43	22 12	22 12	24 59			n.a.
S 21	8 46	15 20	4 58	18 3	2 26	0 45	1 27	24 47	2 4	20 47	0 49	13 34	1 48	17 18	0 46	0 14	2 1	32 16	11 43	22 14	22 12	24 58			n.a.
S 22	9 8	19 58	4 39	18 29	2 28	1 16	1 26	24 40	2 2	20 46	0 50	13 36	1 48	17 18	0 46	0 15	2 1	32 16	11 43	22 15	22 13	24 57			n.a.
M23	9 31	23 27	4 2	18 54	2 29	1 47	1 25	24 33	2 1	20 45	0 50	13 38	1 48	17 18	0 46	0 15	2 1	32 16	11 42	22 17	22 13	24 56			n.a.
T 24	9 54	25 27	3 10	19 18	2 31	2 18	1 24	24 26	1 59	20 44	0 50	13 40	1 47	17 18	0 46	0 16	2 1	32 15	11 42	22 18	22 14	24 55			n.a.
W25	10 16	25 45	2 6	19 39	2 31	2 49	1 23	24 19	1 58	20 43	0 50	13 42	1 47	17 18	0 46	0 17	2 1	32 15	11 42	22 18	22 14	24 54			n.a.
T 26	10 38	24 19	0 54	20 0	2 31	3 20	1 22	24 11	1 56	20 42	0 51	13 45	1 47	17 18	0 46	0 17	2 1	32 15	11 42	22 19	22 15	24 53			n.a.
F 27	11 1	21 22	0n20	20 18	2 30	3 51	1 21	24 4	1 55	20 41	0 51	13 47	1 47	17 18	0 46	0 18	2 1	32 14	11 41	22 19	22 15	24 51			n.a.
S 28	11 23	17 11	1 33	20 34	2 29	4 21	1 20	23 56	1 53	20 40	0 51	13 49	1 47	17 18	0 46	0 18	2 1	32 14	11 41	22 19	22 16	24 50			n.a.
S 29	11 44	12 7	2 39	20 48	2 26	4 52	1 18	23 47	1 52	20 39	0 51	13 51	1 47	17 18	0 46	0 19	2 1	32 14	11 41	22 19	22 16	24 49			n.a.
M30	12 6	6 32	3 35	21 0	2 23	5 23	1 17	23 39	1 50	20 38	0 52	13 53	1 47	17 18	0 46	0 19	2 1	32 14	11 41	22 19	22 17	24 48			n.a.
T 31	12s27	0s43	4n19	21s10	2s19	5s53	1n16	23s31	1s49	20n37	0n52	13s56	1n47	17s18	0s46	0s20	2s 1	32s13	11s40	22s20	22s17	24n47			n.a.

Julian Day Number = 1564638.5, Delta T = 04h21m49s
Ecliptic obliquity = 23°44'54, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 9°00'02, Lahiri = - 9°53'01 Julian Calendar 1 Oct. 430 BCE == Greg. Calendar 26 Sept. 430 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

NOVEMBER 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 17 18	3♏23'21	1♈38	24♏25	19♎ 0	23♑54	2♌56	12♏ 5	14♒55	3°R44	28♑ 5	19°R 8	19♑37	6♋29	n.a.	W 1
T 2	2 21 14	4°24'21	14°47	25° 6	20°16	24°35	3° 1	12°12	14°55	3♈43	28° 6	18♑56	19°34	6°36	n.a.	T 2
F 3	2 25 11	5°25'23	27°44	25°41	21°31	25°17	3° 5	12°19	14°55	3°41	28° 6	18°43	19°31	6°43	n.a.	F 3
S 4	2 29 8	6°26'25	10♉27	26° 8	22°47	25°59	3° 9	12°26	14°55	3°40	28° 7	18°30	19°28	6°49	n.a.	S 4
S 5	2 33 4	7°27'29	22°57	26°26	24° 2	26°41	3°13	12°33	14°56	3°39	28° 7	18°18	19°25	6°56	n.a.	S 5
M 6	2 37 1	8°28'33	5♊13	26°R36	25°18	27°22	3°17	12°40	14°56	3°37	28° 8	18° 8	19°21	7° 2	n.a.	M 6
T 7	2 40 57	9°29'39	17°17	26°35	26°33	28° 4	3°20	12°47	14°56	3°36	28° 8	18° 1	19°18	7° 9	n.a.	T 7
W 8	2 44 54	10°30'45	29°11	26°23	27°49	28°46	3°23	12°54	14°57	3°35	28° 9	17°56	19°15	7°16	n.a.	W 8
T 9	2 48 50	11°31'53	10♋59	26° 1	29° 4	29°28	3°27	13° 1	14°57	3°34	28° 9	17°54	19°12	7°22	n.a.	T 9
F 10	2 52 47	12°33'01	22°46	25°26	0♏20	0♒10	3°30	13° 8	14°58	3°32	28°10	17°D54	19° 9	7°29	n.a.	F 10
S 11	2 56 44	13°34'11	4♌36	24°41	1°36	0°52	3°32	13°15	14°58	3°31	28°10	17°55	19° 6	7°36	n.a.	S 11
S 12	3 0 40	14°35'21	16°34	23°44	2°51	1°34	3°35	13°22	14°59	3°30	28°11	17°R55	19° 2	7°42	n.a.	S 12
M13	3 4 37	15°36'33	28°47	22°39	4° 7	2°16	3°37	13°29	14°59	3°29	28°12	17°54	18°59	7°49	n.a.	M13
T 14	3 8 33	16°37'45	11♍19	21°25	5°22	2°58	3°40	13°36	15° 0	3°28	28°12	17°51	18°56	7°56	n.a.	T 14
W15	3 12 30	17°38'58	24°16	20° 6	6°38	3°40	3°42	13°43	15° 1	3°26	28°13	17°46	18°53	8° 2	n.a.	W15
T 16	3 16 26	18°40'12	7♎39	18°44	7°53	4°22	3°43	13°50	15° 2	3°25	28°14	17°38	18°50	8° 9	n.a.	T 16
F 17	3 20 23	19°41'26	21°29	17°21	9° 9	5° 4	3°45	13°57	15° 2	3°24	28°15	17°29	18°47	8°16	n.a.	F 17
S 18	3 24 19	20°42'41	5♏44	16° 1	10°25	5°46	3°47	14° 3	15° 3	3°23	28°15	17°19	18°43	8°22	n.a.	S 18
S 19	3 28 16	21°43'57	20°19	14°46	11°40	6°28	3°48	14°10	15° 4	3°22	28°16	17° 9	18°40	8°29	n.a.	S 19
M20	3 32 13	22°45'13	5♐ 7	13°38	12°56	7°10	3°49	14°17	15° 5	3°21	28°17	17° 2	18°37	8°36	n.a.	M20
T 21	3 36 9	23°46'30	19°59	12°39	14°11	7°52	3°50	14°24	15° 6	3°20	28°18	16°56	18°34	8°42	n.a.	T 21
W22	3 40 6	24°47'46	4♑48	11°51	15°27	8°35	3°51	14°31	15° 8	3°19	28°19	16°53	18°31	8°49	n.a.	W22
T 23	3 44 2	25°49'03	19°27	11°12	16°43	9°17	3°51	14°38	15° 9	3°19	28°20	16°D53	18°27	8°55	n.a.	T 23
F 24	3 47 59	26°50'20	3♒50	10°45	17°58	9°59	3°51	14°45	15°10	3°18	28°21	16°54	18°24	9° 2	n.a.	F 24
S 25	3 51 55	27°51'36	17°56	10°28	19°14	10°41	3°R52	14°52	15°11	3°17	28°21	16°55	18°21	9° 9	n.a.	S 25
S 26	3 55 52	28°52'52	1♓45	10°D21	20°29	11°23	3°51	14°59	15°13	3°16	28°22	16°R55	18°18	9°15	n.a.	S 26
M27	3 59 48	29°54'08	15°16	10°24	21°45	12° 6	3°51	15° 6	15°14	3°15	28°23	16°54	18°15	9°22	n.a.	M27
T 28	4 3 45	0♐55'24	28°32	10°35	23° 0	12°48	3°51	15°13	15°15	3°14	28°24	16°50	18°12	9°29	n.a.	T 28
W29	4 7 42	1°56'39	11♈33	10°55	24°16	13°30	3°50	15°19	15°17	3°14	28°25	16°45	18° 8	9°35	n.a.	W29
T 30	4 11 38	2♐57'54	24♈21	11♏22	25♏31	14♒12	3♌49	15♏26	15♒18	3♈13	28♑27	16♑38	18♑ 5	9♋42	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s48	5n 3	4n47	21s17	2s14	6s24	1n14	23s22	1s47	20n36	0n52	13s58	1n47	17s18	0s46	0s20	2s 1	32s13	11s40	22s22	22s18	24n45		n.a.
T 2	13 9	10 30	5 0	21 21	2 7	6 54	1 13	23 13	1 46	20 35	0 52	14 0	1 47	17 18	0 46	0 21	2 1	32 13	11 40	22 24	22 18	24 44		n.a.
F 3	13 30	15 25	4 57	21 22	2 0	7 24	1 11	23 4	1 44	20 35	0 53	14 2	1 47	17 18	0 46	0 22	2 1	32 12	11 40	22 25	22 18	24 43		n.a.
S 4	13 50	19 34	4 40	21 20	1 51	7 54	1 9	22 55	1 43	20 34	0 53	14 4	1 47	17 18	0 46	0 22	2 1	32 12	11 39	22 27	22 19	24 42		n.a.
S 5	14 11	22 45	4 9	21 14	1 40	8 24	1 8	22 45	1 42	20 33	0 53	14 7	1 47	17 18	0 46	0 23	2 1	32 12	11 39	22 29	22 19	24 41		n.a.
M 6	14 31	24 50	3 26	21 5	1 29	8 53	1 6	22 35	1 40	20 33	0 54	14 9	1 46	17 17	0 46	0 23	2 1	32 11	11 39	22 30	22 20	24 39		n.a.
T 7	14 50	25 43	2 35	20 52	1 15	9 23	1 4	22 26	1 39	20 32	0 54	14 11	1 46	17 17	0 45	0 24	2 1	32 11	11 39	22 31	22 20	24 38		n.a.
W 8	15 10	25 23	1 38	20 34	1 0	9 52	1 2	22 15	1 37	20 31	0 54	14 13	1 46	17 17	0 45	0 24	2 1	32 10	11 39	22 32	22 21	24 37		n.a.
T 9	15 29	23 54	0 37	20 13	0 44	10 21	1 0	22 5	1 36	20 31	0 54	14 15	1 46	17 17	0 45	0 25	2 1	32 10	11 38	22 32	22 21	24 36		n.a.
F 10	15 48	21 22	0s26	19 48	0 26	10 49	0 59	21 55	1 35	20 30	0 55	14 18	1 46	17 17	0 45	0 25	2 1	32 10	11 38	22 32	22 22	24 34		n.a.
S 11	16 7	17 56	1 28	19 18	0 8	11 18	0 57	21 44	1 33	20 30	0 55	14 20	1 46	17 17	0 45	0 25	2 1	32 9	11 38	22 32	22 22	24 33		n.a.
S 12	16 25	13 44	2 27	18 45	0n12	11 46	0 55	21 34	1 32	20 30	0 55	14 22	1 46	17 16	0 45	0 26	2 1	32 9	11 38	22 32	22 23	24 32		n.a.
M13	16 43	8 55	3 21	18 9	0 33	12 14	0 53	21 23	1 30	20 29	0 55	14 24	1 46	17 16	0 45	0 26	2 0	32 9	11 37	22 32	22 23	24 31		n.a.
T 14	17 1	3 37	4 6	17 30	0 53	12 41	0 51	21 11	1 29	20 29	0 56	14 26	1 46	17 16	0 45	0 27	2 0	32 8	11 37	22 32	22 23	24 29		n.a.
W15	17 19	1s58	4 40	16 49	1 13	13 8	0 49	21 0	1 28	20 29	0 56	14 28	1 46	17 16	0 45	0 27	2 0	32 8	11 37	22 33	22 24	24 28		n.a.
T 16	17 36	7 40	5 1	16 8	1 32	13 35	0 46	20 49	1 26	20 29	0 56	14 30	1 46	17 15	0 45	0 28	2 0	32 8	11 37	22 34	22 24	24 27		n.a.
F 17	17 53	13 10	5 4	15 28	1 50	14 2	0 44	20 37	1 25	20 29	0 56	14 33	1 46	17 15	0 45	0 28	2 0	32 7	11 36	22 35	22 25	24 26		n.a.
S 18	18 10	18 9	4 50	14 50	2 6	14 28	0 42	20 25	1 24	20 29	0 57	14 35	1 46	17 15	0 45	0 28	2 0	32 7	11 36	22 37	22 25	24 24		n.a.
S 19	18 26	22 10	4 16	14 14	2 21	14 54	0 40	20 13	1 22	20 28	0 57	14 37	1 46	17 14	0 45	0 29	2 0	32 6	11 36	22 38	22 26	24 23		n.a.
M20	18 42	24 47	3 25	13 43	2 33	15 19	0 38	20 1	1 21	20 28	0 57	14 39	1 46	17 14	0 45	0 29	2 0	32 6	11 36	22 39	22 26	24 22		n.a.
T 21	18 57	25 41	2 19	13 16	2 42	15 44	0 35	19 49	1 20	20 29	0 58	14 41	1 46	17 14	0 45	0 29	2 0	32 6	11 36	22 40	22 27	24 20		n.a.
W22	19 13	24 44	1 5	12 54	2 50	16 9	0 33	19 37	1 18	20 29	0 58	14 43	1 46	17 13	0 45	0 30	2 0	32 5	11 35	22 40	22 27	24 19		n.a.
T 23	19 28	22 5	0n14	12 37	2 55	16 33	0 31	19 24	1 17	20 29	0 58	14 45	1 46	17 13	0 45	0 30	2 0	32 5	11 35	22 40	22 27	24 18		n.a.
F 24	19 42	18 5	1 30	12 25	2 58	16 57	0 29	19 11	1 16	20 29	0 58	14 47	1 46	17 13	0 45	0 30	2 0	32 4	11 35	22 40	22 28	24 16		n.a.
S 25	19 56	13 7	2 40	12 19	2 59	17 20	0 26	18 58	1 14	20 29	0 59	14 49	1 46	17 12	0 45	0 31	2 0	32 4	11 35	22 40	22 28	24 15		n.a.
S 26	20 10	7 36	3 38	12 17	2 59	17 43	0 24	18 45	1 13	20 30	0 59	14 51	1 46	17 12	0 45	0 31	2 0	32 3	11 34	22 40	22 29	24 14		n.a.
M27	20 23	1 50	4 23	12 19	2 58	18 5	0 22	18 32	1 12	20 30	0 59	14 53	1 46	17 11	0 45	0 31	2 0	32 3	11 34	22 40	22 29	24 12		n.a.
T 28	20 36	3n53	4 53	12 26	2 55	18 27	0 19	18 19	1 11	20 30	1 0	14 55	1 46	17 11	0 45	0 31	2 0	32 3	11 34	22 40	22 30	24 11		n.a.
W29	20 49	9 19	5 7	12 35	2 51	18 48	0 17	18 5	1 9	20 31	1 0	14 57	1 46	17 10	0 45	0 32	2 0	32 2	11 34	22 41	22 30	24 10		n.a.
T 30	21s 1	14n17	5n 6	12s48	2n46	19s 9	0n15	17s52	1s 8	20n31	1n 0	14s59	1n46	17s10	0s45	0s32	2s 0	32s 2	11s34	22s42	22s30	24n 8		n.a.

Julian Day Number = 1564669.5, Delta T = 04h21m48s
Ecliptic obliquity = 23°44'53, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'57, Lahiri = - 9°52'57 Julian Calendar 1 Nov. 430 BCE == Greg. Calendar 27 Oct. 430 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 430 BCE
geocentric

DECEMBER 430 BCE (-429) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 15 35	3♐59'09	6♉57	11♏56	26♏47	14♒54	3°R48	15♏33	15♒20	3°R12	28♑28	16°R30	18♑ 2	9♋49	n.a.	F 1
S 2	4 19 31	5° 0'24	19°21	12°35	28° 2	15°37	3♌47	15°40	15°21	3♈12	28°29	16♑22	17°59	9°55	n.a.	S 2
S 3	4 23 28	6° 1'39	1♊36	13°20	29°18	16°19	3°45	15°47	15°23	3°11	28°30	16°14	17°56	10° 2	n.a.	S 3
M 4	4 27 24	7° 2'54	13°41	14°10	0♐33	17° 1	3°44	15°53	15°25	3°11	28°31	16° 8	17°52	10° 9	n.a.	M 4
T 5	4 31 21	8° 4'08	25°38	15° 3	1°49	17°43	3°42	16° 0	15°26	3°10	28°32	16° 4	17°49	10°15	n.a.	T 5
W 6	4 35 18	9° 5'22	7♋28	16° 1	3° 4	18°26	3°40	16° 7	15°28	3°10	28°33	16° 2	17°46	10°22	n.a.	W 6
T 7	4 39 14	10° 6'36	19°15	17° 2	4°20	19° 8	3°38	16°13	15°30	3° 9	28°34	16°D 1	17°43	10°29	n.a.	T 7
F 8	4 43 11	11° 7'50	1♌ 2	18° 6	5°35	19°50	3°35	16°20	15°32	3° 9	28°36	16° 2	17°40	10°35	n.a.	F 8
S 9	4 47 7	12° 9'03	12°52	19°12	6°51	20°32	3°33	16°26	15°34	3° 8	28°37	16° 4	17°37	10°42	n.a.	S 9
S 10	4 51 4	13°10'17	24°50	20°21	8° 6	21°14	3°30	16°33	15°36	3° 8	28°38	16° 6	17°33	10°48	n.a.	S 10
M11	4 55 0	14°11'30	7♍ 0	21°33	9°21	21°56	3°27	16°39	15°38	3° 8	28°39	16° 7	17°30	10°55	n.a.	M11
T 12	4 58 57	15°12'43	19°29	22°46	10°37	22°39	3°24	16°46	15°40	3° 7	28°41	16°R 7	17°27	11° 2	n.a.	T 12
W13	5 2 53	16°13'55	2♎19	24° 0	11°52	23°21	3°21	16°52	15°42	3° 7	28°42	16° 6	17°24	11° 8	n.a.	W13
T 14	5 6 50	17°15'08	15°36	25°17	13° 8	24° 3	3°17	16°59	15°44	3° 7	28°43	16° 4	17°21	11°15	n.a.	T 14
F 15	5 10 47	18°16'20	29°21	26°35	14°23	24°45	3°13	17° 5	15°46	3° 7	28°45	16° 0	17°18	11°22	n.a.	F 15
S 16	5 14 43	19°17'31	13♏34	27°54	15°39	25°27	3° 9	17°11	15°48	3° 7	28°46	15°56	17°14	11°28	n.a.	S 16
S 17	5 18 40	20°18'42	28°13	29°14	16°54	26° 9	3° 5	17°18	15°51	3° 7	28°47	15°52	17°11	11°35	n.a.	S 17
M18	5 22 36	21°19'53	13♐10	0♐36	18° 9	26°51	3° 1	17°24	15°53	3° 6	28°49	15°49	17° 8	11°42	n.a.	M18
T 19	5 26 33	22°21'03	28°18	1°58	19°25	27°34	2°57	17°30	15°55	3° 6	28°50	15°47	17° 5	11°48	n.a.	T 19
W20	5 30 29	23°22'12	13♑28	3°22	20°40	28°16	2°52	17°36	15°57	3°D 6	28°52	15°D46	17° 2	11°55	n.a.	W20
T 21	5 34 26	24°23'20	28°29	4°46	21°56	28°58	2°47	17°42	16° 0	3° 6	28°53	15°46	16°59	12° 2	n.a.	T 21
F 22	5 38 22	25°24'27	13♒15	6°12	23°11	29°40	2°43	17°48	16° 2	3° 6	28°54	15°48	16°55	12° 8	n.a.	F 22
S 23	5 42 19	26°25'33	27°39	7°38	24°26	0♓22	2°37	17°54	16° 5	3° 7	28°56	15°49	16°52	12°15	n.a.	S 23
S 24	5 46 16	27°26'37	11♓40	9° 5	25°42	1° 4	2°32	18° 0	16° 7	3° 7	28°57	15°50	16°49	12°22	n.a.	S 24
M25	5 50 12	28°27'41	25°16	10°32	26°57	1°46	2°27	18° 6	16°10	3° 7	28°59	15°R51	16°46	12°28	n.a.	M25
T 26	5 54 9	29°28'42	8♈30	12° 1	28°12	2°28	2°21	18°12	16°12	3° 7	29° 0	15°51	16°43	12°35	n.a.	T 26
W27	5 58 5	0♑29'43	21°24	13°30	29°27	3°10	2°16	18°18	16°15	3° 7	29° 2	15°50	16°39	12°41	n.a.	W27
T 28	6 2 2	1°30'42	4♉ 0	15° 0	0♑43	3°52	2°10	18°24	16°18	3° 8	29° 3	15°48	16°36	12°48	n.a.	T 28
F 29	6 5 58	2°31'40	16°22	16°31	1°58	4°34	2° 4	18°29	16°20	3° 8	29° 5	15°46	16°33	12°55	n.a.	F 29
S 30	6 9 55	3°32'36	28°32	18° 2	3°13	5°16	1°58	18°35	16°23	3° 8	29° 6	15°44	16°30	13° 1	n.a.	S 30
S 31	6 13 52	4♑33'32	10♊33	19♐34	4♑28	5♓58	1♌52	18♏40	16♒26	3♈ 9	29♑ 8	15♑42	16♑27	13♋ 8	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21s13	18n33	4n50	13s 4	2n40	19s29	0n12	17s38	1s 7	20n32	1n 0	15s 1	1n46	17s 9	0s45	0s32	2s 0	32s 1	11s33	22s43	22s31	24n 7		n.a.
S 2	21 24	21 57	4 20	13 22	2 34	19 49	0 10	17 24	1 6	20 32	1 1	15 3	1 46	17 9	0 45	0 32	1 59	32 1	11 33	22 44	22 31	24 6		n.a.
S 3	21 35	24 18	3 38	13 42	2 27	20 8	0 7	17 10	1 4	20 33	1 1	15 5	1 46	17 8	0 45	0 32	1 59	32 1	11 33	22 45	22 32	24 4		n.a.
M 4	21 46	25 30	2 47	14 4	2 20	20 27	0 5	16 56	1 3	20 33	1 1	15 7	1 46	17 8	0 45	0 33	1 59	32 0	11 33	22 46	22 32	24 3		n.a.
T 5	21 56	25 29	1 49	14 27	2 13	20 45	0 3	16 42	1 2	20 34	1 1	15 9	1 46	17 7	0 44	0 33	1 59	32 0	11 33	22 46	22 33	24 1		n.a.
W 6	22 6	24 19	0 47	14 51	2 5	21 2	0 0	16 28	1 1	20 35	1 2	15 11	1 46	17 7	0 44	0 33	1 59	31 59	11 33	22 46	22 33	24 0		n.a.
T 7	22 15	22 3	0s18	15 16	1 57	21 19	0s 2	16 13	1 0	20 36	1 2	15 13	1 46	17 6	0 44	0 33	1 59	31 59	11 32	22 46	22 33	23 59		n.a.
F 8	22 24	18 52	1 21	15 42	1 49	21 35	0 5	15 59	0 58	20 37	1 2	15 15	1 46	17 6	0 44	0 33	1 59	31 58	11 32	22 46	22 34	23 57		n.a.
S 9	22 32	14 54	2 22	16 8	1 41	21 51	0 7	15 44	0 57	20 37	1 3	15 17	1 46	17 5	0 44	0 33	1 59	31 58	11 32	22 46	22 34	23 56		n.a.
S 10	22 40	10 19	3 17	16 35	1 32	22 6	0 9	15 29	0 56	20 38	1 3	15 18	1 46	17 4	0 44	0 33	1 59	31 57	11 32	22 46	22 35	23 54		n.a.
M11	22 48	5 17	4 4	17 2	1 24	22 20	0 12	15 14	0 55	20 39	1 3	15 20	1 46	17 4	0 44	0 33	1 59	31 57	11 32	22 46	22 35	23 53		n.a.
T 12	22 55	0s 5	4 41	17 29	1 16	22 34	0 14	14 59	0 54	20 40	1 3	15 22	1 46	17 3	0 44	0 33	1 59	31 57	11 32	22 46	22 36	23 51		n.a.
W13	23 2	5 35	5 5	17 56	1 7	22 46	0 16	14 44	0 52	20 41	1 4	15 24	1 46	17 2	0 44	0 33	1 59	31 56	11 31	22 46	22 36	23 50		n.a.
T 14	23 8	11 2	5 14	18 23	0 59	22 59	0 19	14 29	0 51	20 42	1 4	15 26	1 46	17 2	0 44	0 33	1 59	31 56	11 31	22 46	22 36	23 49		n.a.
F 15	23 13	16 8	5 6	18 49	0 51	23 10	0 21	14 14	0 50	20 44	1 4	15 28	1 46	17 1	0 44	0 33	1 59	31 55	11 31	22 46	22 37	23 47		n.a.
S 16	23 19	20 32	4 38	19 16	0 42	23 21	0 23	13 58	0 49	20 45	1 4	15 29	1 46	17 0	0 44	0 33	1 59	31 55	11 31	22 47	22 37	23 46		n.a.
S 17	23 23	23 48	3 53	19 41	0 34	23 31	0 26	13 43	0 48	20 46	1 5	15 31	1 46	17 0	0 44	0 33	1 59	31 54	11 31	22 47	22 38	23 44		n.a.
M18	23 28	25 29	2 50	20 7	0 26	23 40	0 28	13 27	0 47	20 47	1 5	15 33	1 46	16 59	0 44	0 33	1 58	31 54	11 31	22 48	22 38	23 43		n.a.
T 19	23 31	25 19	1 35	20 32	0 18	23 49	0 30	13 11	0 46	20 49	1 5	15 34	1 46	16 58	0 44	0 33	1 58	31 54	11 31	22 48	22 38	23 41		n.a.
W20	23 35	23 16	0 13	20 56	0 10	23 57	0 32	12 56	0 45	20 50	1 5	15 36	1 46	16 57	0 44	0 33	1 58	31 53	11 30	22 48	22 39	23 40		n.a.
T 21	23 38	19 36	1n10	21 19	0 3	24 4	0 34	12 40	0 43	20 51	1 6	15 38	1 46	16 57	0 44	0 33	1 58	31 53	11 30	22 48	22 39	23 38		n.a.
F 22	23 40	14 44	2 26	21 42	0s 5	24 11	0 37	12 24	0 42	20 53	1 6	15 39	1 46	16 56	0 44	0 33	1 58	31 52	11 30	22 48	22 40	23 37		n.a.
S 23	23 42	9 8	3 31	22 4	0 12	24 16	0 39	12 8	0 41	20 54	1 6	15 41	1 46	16 55	0 44	0 33	1 58	31 52	11 30	22 48	22 40	23 35		n.a.
S 24	23 43	3 15	4 22	22 25	0 20	24 21	0 41	11 52	0 40	20 55	1 6	15 43	1 46	16 54	0 44	0 33	1 58	31 51	11 30	22 48	22 40	23 34		n.a.
M25	23 44	2n37	4 56	22 45	0 27	24 26	0 43	11 35	0 39	20 57	1 7	15 44	1 47	16 54	0 44	0 33	1 58	31 51	11 30	22 48	22 41	23 32		n.a.
T 26	23 45	8 12	5 14	23 5	0 34	24 29	0 45	11 19	0 38	20 58	1 7	15 46	1 47	16 53	0 44	0 33	1 58	31 50	11 30	22 48	22 41	23 31		n.a.
W27	23 45	13 18	5 15	23 23	0 40	24 32	0 47	11 3	0 37	21 0	1 7	15 47	1 47	16 52	0 44	0 33	1 58	31 50	11 30	22 48	22 42	23 29		n.a.
T 28	23 44	17 43	5 1	23 40	0 47	24 34	0 49	10 46	0 36	21 2	1 7	15 49	1 47	16 51	0 44	0 32	1 58	31 50	11 30	22 48	22 42	23 28		n.a.
F 29	23 43	21 17	4 33	23 56	0 53	24 35	0 51	10 30	0 35	21 3	1 8	15 51	1 47	16 50	0 44	0 32	1 58	31 49	11 30	22 48	22 42	23 26		n.a.
S 30	23 42	23 52	3 53	24 11	0 59	24 35	0 53	10 13	0 34	21 5	1 8	15 52	1 47	16 49	0 44	0 32	1 58	31 49	11 29	22 48	22 43	23 25		n.a.
S 31	23s40	25n20	3n 3	24s25	1s 5	24s35	0s55	9s57	0s33	21n 6	1n 8	15s53	1n47	16s49	0s44	0s32	1s58	31s48	11s29	22s49	22s43	23n23		n.a.

Julian Day Number = 1564699.5, Delta T = 04h21m47s
Ecliptic obliquity = 23°44'53, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'53, Lahiri = - 9°52'53 Julian Calendar 1 Dec. 430 BCE == Greg. Calendar 26 Nov. 430 BCE

The year -429 astronomical counting style corresponds to year 430 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

JANUARY 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 17 48	5♑34'25	22♊28	21♐ 7	5♑44	6♓40	1°R45	18♏46	16♒28	3♈ 9	29♑10	15°R41	16♑24	13♋15	n.a.	M 1
T 2	6 21 45	6°35'18	4♋18	22°40	6°59	7°22	1♎39	18°51	16°31	3° 9	29°11	15♑40	16°20	13°21	n.a.	T 2
W 3	6 25 41	7°36'09	16° 6	24°15	8°14	8° 4	1°32	18°57	16°34	3°10	29°13	15°D40	16°17	13°28	n.a.	W 3
T 4	6 29 38	8°36'59	27°54	25°50	9°29	8°45	1°26	19° 2	16°37	3°10	29°14	15°40	16°14	13°35	n.a.	T 4
F 5	6 33 34	9°37'48	9♎44	27°25	10°44	9°27	1°19	19° 7	16°40	3°11	29°16	15°41	16°11	13°41	n.a.	F 5
S 6	6 37 31	10°38'35	21°39	29° 2	12° 0	10° 9	1°12	19°13	16°43	3°12	29°17	15°41	16° 8	13°48	n.a.	S 6
S 7	6 41 27	11°39'21	3♍41	0♑39	13°15	10°51	1° 5	19°18	16°46	3°12	29°19	15°42	16° 4	13°55	n.a.	S 7
M 8	6 45 24	12°40'06	15°54	2°17	14°30	11°33	0°58	19°23	16°49	3°13	29°21	15°42	16° 1	14° 1	n.a.	M 8
T 9	6 49 21	13°40'50	28°23	3°56	15°45	12°14	0°51	19°28	16°52	3°14	29°22	15°42	15°58	14° 8	n.a.	T 9
W10	6 53 17	14°41'32	11♎ 9	5°36	17° 0	12°56	0°43	19°33	16°55	3°14	29°24	15°R43	15°55	14°15	n.a.	W10
T 11	6 57 14	15°42'13	24°18	7°16	18°15	13°38	0°36	19°38	16°58	3°15	29°26	15°D43	15°52	14°21	n.a.	T 11
F 12	7 1 10	16°42'53	7♏52	8°57	19°30	14°19	0°29	19°43	17° 1	3°16	29°27	15°43	15°49	14°28	n.a.	F 12
S 13	7 5 7	17°43'32	21°53	10°40	20°45	15° 1	0°21	19°47	17° 4	3°17	29°29	15°43	15°45	14°34	n.a.	S 13
S 14	7 9 3	18°44'09	6♐19	12°23	22° 0	15°43	0°14	19°52	17° 7	3°17	29°31	15°43	15°42	14°41	n.a.	S 14
M15	7 13 0	19°44'45	21° 7	14° 7	23°15	16°24	0° 6	19°57	17°10	3°18	29°32	15°43	15°39	14°48	n.a.	M15
T 16	7 16 56	20°45'19	6♑12	15°51	24°30	17° 6	29♋58	20° 1	17°13	3°19	29°34	15°44	15°36	14°54	n.a.	T 16
W17	7 20 53	21°45'52	21°25	17°37	25°45	17°47	29°50	20° 6	17°16	3°20	29°36	15°R44	15°33	15° 1	n.a.	W17
T 18	7 24 50	22°46'23	6♒36	19°24	27° 0	18°29	29°43	20°10	17°19	3°21	29°37	15°43	15°30	15° 8	n.a.	T 18
F 19	7 28 46	23°46'53	21°36	21°11	28°15	19°10	29°35	20°15	17°23	3°22	29°39	15°43	15°26	15°14	n.a.	F 19
S 20	7 32 43	24°47'20	6♓17	23° 0	29°30	19°52	29°27	20°19	17°26	3°23	29°41	15°42	15°23	15°21	n.a.	S 20
S 21	7 36 39	25°47'45	20°33	24°49	0♒45	20°33	29°19	20°23	17°29	3°24	29°42	15°40	15°20	15°28	n.a.	S 21
M22	7 40 36	26°48'08	4♈22	26°39	2° 0	21°15	29°11	20°27	17°32	3°25	29°44	15°39	15°17	15°34	n.a.	M22
T 23	7 44 32	27°48'29	17°44	28°30	3°15	21°56	29° 3	20°31	17°36	3°27	29°46	15°39	15°14	15°41	n.a.	T 23
W24	7 48 29	28°48'48	0♉40	0♒22	4°30	22°37	28°56	20°35	17°39	3°28	29°47	15°D38	15°10	15°48	n.a.	W24
T 25	7 52 25	29°49'05	13°14	2°15	5°45	23°19	28°48	20°39	17°42	3°29	29°49	15°39	15° 7	15°54	n.a.	T 25
F 26	7 56 22	0♒49'19	25°31	4° 8	7° 0	24° 0	28°40	20°43	17°46	3°30	29°51	15°40	15° 4	16° 1	n.a.	F 26
S 27	8 0 19	1°49'32	7♊34	6° 2	8°15	24°41	28°32	20°46	17°49	3°31	29°52	15°41	15° 1	16° 8	n.a.	S 27
S 28	8 4 15	2°49'42	19°28	7°57	9°30	25°23	28°24	20°50	17°52	3°33	29°54	15°43	14°58	16°14	n.a.	S 28
M29	8 8 12	3°49'51	1♋17	9°52	10°44	26° 4	28°16	20°53	17°56	3°34	29°56	15°44	14°55	16°21	n.a.	M29
T 30	8 12 8	4°49'57	13° 3	11°47	11°59	26°45	28° 8	20°57	17°59	3°35	29°57	15°R45	14°51	16°27	n.a.	T 30
W31	8 16 5	5♒50'01	24♋51	13♒42	13♒14	27♓26	28♋ 1	21♏ 0	18♒ 2	3♈37	29♑59	15♑44	14♑48	16♋34	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
M 1	23s38	25n37	2n 5	24s38	1s11	24s34	0s56	9s40	0s32	21n 8	1n 8	15s55	1n47	16s48	0s44	0s32	1s58	31s48	11s29	22s49	22s44	23n22			n.a.
T 2	23 35	24 43	1 3	24 49	1 16	24 32	0 58	9 24	0 31	21 10	1 8	15 56	1 47	16 47	0 44	0 31	1 57	31 47	11 29	22 49	22 44	23 20			n.a.
W 3	23 32	22 43	0s 2	24 59	1 22	24 29	1 0	9 7	0 30	21 11	1 9	15 58	1 47	16 46	0 44	0 31	1 57	31 47	11 29	22 49	22 44	23 19			n.a.
T 4	23 28	19 45	1 8	25 7	1 26	24 26	1 1	8 50	0 29	21 13	1 9	15 59	1 47	16 45	0 44	0 31	1 57	31 47	11 29	22 49	22 45	23 17			n.a.
F 5	23 24	15 57	2 10	25 14	1 31	24 21	1 3	8 33	0 28	21 15	1 9	16 1	1 47	16 44	0 44	0 30	1 57	31 46	11 29	22 49	22 45	23 15			n.a.
S 6	23 19	11 31	3 7	25 20	1 35	24 16	1 5	8 16	0 27	21 17	1 9	16 2	1 47	16 43	0 44	0 30	1 57	31 46	11 29	22 49	22 46	23 14			n.a.
S 7	23 14	6 37	3 57	25 24	1 40	24 11	1 6	7 59	0 26	21 18	1 10	16 3	1 47	16 42	0 44	0 30	1 57	31 45	11 29	22 49	22 46	23 12			n.a.
M 8	23 8	1 23	4 36	25 27	1 43	24 4	1 8	7 42	0 25	21 20	1 10	16 5	1 48	16 41	0 44	0 30	1 57	31 45	11 29	22 49	22 46	23 11			n.a.
T 9	23 2	3s59	5 4	25 28	1 47	23 57	1 9	7 25	0 24	21 22	1 10	16 6	1 48	16 41	0 44	0 29	1 57	31 45	11 29	22 49	22 47	23 9			n.a.
W10	22 56	9 19	5 17	25 27	1 50	23 49	1 11	7 8	0 23	21 24	1 10	16 7	1 48	16 40	0 44	0 29	1 57	31 44	11 29	22 49	22 47	23 8			n.a.
T 11	22 49	14 24	5 15	25 25	1 53	23 40	1 12	6 51	0 22	21 25	1 10	16 8	1 48	16 39	0 44	0 29	1 57	31 44	11 29	22 49	22 47	23 6			n.a.
F 12	22 41	18 57	4 55	25 21	1 55	23 31	1 13	6 34	0 21	21 27	1 10	16 10	1 48	16 38	0 44	0 28	1 57	31 43	11 29	22 49	22 48	23 4			n.a.
S 13	22 33	22 36	4 17	25 16	1 57	23 21	1 14	6 17	0 20	21 29	1 11	16 11	1 48	16 37	0 44	0 28	1 57	31 43	11 29	22 49	22 48	23 3			n.a.
S 14	22 25	24 58	3 22	25 8	1 59	23 10	1 16	6 0	0 19	21 31	1 11	16 12	1 48	16 36	0 43	0 27	1 57	31 43	11 29	22 49	22 49	23 1			n.a.
M15	22 16	25 39	2 13	24 59	2 0	22 58	1 17	5 43	0 18	21 33	1 11	16 13	1 48	16 35	0 43	0 27	1 57	31 42	11 29	22 48	22 49	22 59			n.a.
T 16	22 7	24 29	0 53	24 48	2 1	22 46	1 18	5 25	0 17	21 34	1 11	16 14	1 48	16 34	0 43	0 27	1 57	31 42	11 29	22 48	22 49	22 58			n.a.
W17	21 58	21 30	0n32	24 35	2 2	22 33	1 19	5 8	0 16	21 36	1 11	16 15	1 48	16 33	0 43	0 26	1 56	31 41	11 29	22 48	22 50	22 56			n.a.
T 18	21 48	17 2	1 54	24 20	2 2	22 20	1 20	4 51	0 15	21 38	1 11	16 16	1 48	16 32	0 43	0 26	1 56	31 41	11 29	22 48	22 50	22 55			n.a.
F 19	21 37	11 33	3 7	24 3	2 1	22 5	1 21	4 34	0 15	21 40	1 11	16 18	1 49	16 31	0 43	0 25	1 56	31 41	11 29	22 49	22 50	22 53			n.a.
S 20	21 27	5 31	4 6	23 44	2 0	21 51	1 21	4 16	0 14	21 42	1 12	16 19	1 49	16 30	0 43	0 25	1 56	31 40	11 29	22 49	22 51	22 51			n.a.
S 21	21 16	0n36	4 48	23 23	1 59	21 35	1 22	3 59	0 13	21 43	1 12	16 20	1 49	16 29	0 43	0 24	1 56	31 40	11 29	22 49	22 51	22 50			n.a.
M22	21 4	6 30	5 11	23 0	1 57	21 19	1 23	3 42	0 12	21 45	1 12	16 21	1 49	16 28	0 43	0 24	1 56	31 40	11 29	22 49	22 52	22 48			n.a.
T 23	20 52	11 55	5 17	22 36	1 54	21 2	1 24	3 24	0 11	21 47	1 12	16 22	1 49	16 27	0 43	0 23	1 56	31 39	11 29	22 49	22 52	22 46			n.a.
W24	20 40	16 37	5 7	22 9	1 51	20 45	1 24	3 7	0 10	21 49	1 12	16 22	1 49	16 26	0 43	0 23	1 56	31 39	11 29	22 49	22 52	22 45			n.a.
T 25	20 27	20 28	4 41	21 40	1 48	20 27	1 25	2 50	0 9	21 51	1 12	16 23	1 49	16 25	0 43	0 22	1 56	31 39	11 29	22 49	22 53	22 43			n.a.
F 26	20 14	23 20	4 4	21 9	1 44	20 8	1 25	2 32	0 8	21 52	1 12	16 24	1 49	16 24	0 43	0 22	1 56	31 38	11 29	22 49	22 53	22 41			n.a.
S 27	20 1	25 5	3 16	20 36	1 39	19 49	1 25	2 15	0 8	21 54	1 12	16 25	1 49	16 23	0 43	0 21	1 56	31 38	11 29	22 49	22 53	22 40			n.a.
S 28	19 47	25 39	2 21	20 1	1 34	19 29	1 26	1 58	0 7	21 56	1 12	16 26	1 50	16 22	0 43	0 20	1 56	31 37	11 29	22 49	22 54	22 38			n.a.
M29	19 33	25 4	1 19	19 25	1 28	19 9	1 26	1 40	0 6	21 57	1 13	16 27	1 50	16 21	0 43	0 20	1 56	31 37	11 29	22 48	22 54	22 36			n.a.
T 30	19 18	23 21	0 15	18 46	1 21	18 48	1 26	1 23	0 5	21 59	1 13	16 28	1 50	16 19	0 43	0 19	1 56	31 37	11 29	22 48	22 54	22 35			n.a.
W31	19s 3	20n37	0s50	18s 6	1s14	18s27	1s26	1s 6	0s 4	22n 1	1n13	16s28	1n50	16s18	0s43	0s19	1s56	31s37	11s29	22s48	22s55	22n33			n.a.

Julian Day Number = 1564730.5, Delta T = 04h21m45s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'49, Lahiri = - 9°52'49 Julian Calendar 1 Jan. 429 BCE == Greg. Calendar 27 Dec. 430 BCE

The year -428 astronomical counting style corresponds to year 429 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

FEBRUARY 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 20 1	6♒50'03	6♌43	15♒38	14♒29	28♓ 7	27°R53	21♏ 4	18♒ 6	3♈38	0♒ 1	15°R43	14♉45	16♋41	n.a.	T 1
F 2	8 23 58	7°50'03	18°39	17°32	15°43	28°48	27♋45	21° 7	18° 9	3°39	0° 2	15♉40	14°42	16°47	n.a.	F 2
S 3	8 27 54	8°50'01	0♍43	19°27	16°58	29°29	27°38	21°10	18°12	3°41	0° 4	15°37	14°39	16°54	n.a.	S 3
S 4	8 31 51	9°49'57	12°57	21°20	18°13	0♈11	27°30	21°13	18°16	3°42	0° 6	15°33	14°36	17° 1	n.a.	S 4
M 5	8 35 48	10°49'51	25°20	23°12	19°27	0°52	27°23	21°16	18°19	3°44	0° 7	15°29	14°32	17° 7	n.a.	M 5
T 6	8 39 44	11°49'43	7♎57	25° 3	20°42	1°33	27°15	21°19	18°23	3°45	0° 9	15°25	14°29	17°14	n.a.	T 6
W 7	8 43 41	12°49'34	20°48	26°51	21°57	2°13	27° 8	21°21	18°26	3°47	0°11	15°22	14°26	17°21	n.a.	W 7
T 8	8 47 37	13°49'22	3♏57	28°37	23°11	2°54	27° 0	21°24	18°29	3°49	0°12	15°20	14°23	17°27	n.a.	T 8
F 9	8 51 34	14°49'09	17°24	0♐19	24°26	3°35	26°53	21°27	18°33	3°50	0°14	15°D20	14°20	17°34	n.a.	F 9
S 10	8 55 30	15°48'54	1♑12	1°58	25°40	4°16	26°46	21°29	18°36	3°52	0°16	15°21	14°16	17°41	n.a.	S 10
S 11	8 59 27	16°48'38	15°21	3°33	26°55	4°57	26°39	21°31	18°40	3°53	0°17	15°22	14°13	17°47	n.a.	S 11
M12	9 3 23	17°48'19	29°50	5° 4	28° 9	5°38	26°32	21°34	18°43	3°55	0°19	15°24	14°10	17°54	n.a.	M12
T 13	9 7 20	18°47'59	14♉37	6°29	29°24	6°19	26°25	21°36	18°47	3°57	0°21	15°R24	14° 7	18° 0	n.a.	T 13
W14	9 11 17	19°47'37	29°35	7°49	0♓38	6°59	26°18	21°38	18°50	3°58	0°22	15°24	14° 4	18° 7	n.a.	W14
T 15	9 15 13	20°47'13	14♒37	9° 4	1°53	7°40	26°12	21°40	18°53	4° 0	0°24	15°21	14° 1	18°14	n.a.	T 15
F 16	9 19 10	21°46'46	29°35	10°11	3° 7	8°21	26° 5	21°42	18°57	4° 2	0°25	15°17	13°57	18°20	n.a.	F 16
S 17	9 23 6	22°46'17	14♓19	11°12	4°22	9° 2	25°59	21°44	19° 0	4° 4	0°27	15°11	13°54	18°27	n.a.	S 17
S 18	9 27 3	23°45'46	28°42	12° 6	5°36	9°42	25°53	21°45	19° 4	4° 6	0°29	15° 5	13°51	18°34	n.a.	S 18
M19	9 30 59	24°45'13	12♈39	12°53	6°51	10°23	25°46	21°47	19° 7	4° 7	0°30	14°59	13°48	18°40	n.a.	M19
T 20	9 34 56	25°44'37	26° 9	13°32	8° 5	11° 3	25°40	21°49	19°10	4° 9	0°32	14°55	13°45	18°47	n.a.	T 20
W21	9 38 52	26°43'59	9♉11	14° 4	9°19	11°44	25°34	21°50	19°14	4°11	0°33	14°51	13°42	18°54	n.a.	W21
T 22	9 42 49	27°43'19	21°49	14°28	10°33	12°25	25°29	21°51	19°17	4°13	0°35	14°50	13°38	19° 0	n.a.	T 22
F 23	9 46 45	28°42'36	4♊ 7	14°44	11°48	13° 5	25°23	21°53	19°21	4°15	0°36	14°D50	13°35	19° 7	n.a.	F 23
S 24	9 50 42	29°41'50	16° 9	14°52	13° 2	13°46	25°18	21°54	19°24	4°17	0°38	14°51	13°32	19°14	n.a.	S 24
S 25	9 54 39	0♓41'03	28° 1	14°R53	14°16	14°26	25°12	21°55	19°27	4°19	0°39	14°52	13°29	19°20	n.a.	S 25
M26	9 58 35	1°40'13	9♋49	14°47	15°30	15° 6	25° 7	21°56	19°31	4°21	0°41	14°R53	13°26	19°27	n.a.	M26
T 27	10 2 32	2°39'20	21°35	14°33	16°45	15°47	25° 2	21°57	19°34	4°23	0°42	14°53	13°22	19°34	n.a.	T 27
W28	10 6 28	3°38'25	3♌25	14°13	17°59	16°27	24°57	21°57	19°38	4°25	0°44	14°51	13°19	19°40	n.a.	W28
T 29	10 10 25	4♓37'28	15♌22	13♓47	19♓13	17♈ 7	24♋53	21♏58	19♒41	4♈27	0♒45	14♉47	13♉16	19♋47	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s48	17n 1	1s53	17s24	1s 6	18s 5	1s27	0s49	0s 3	22n 2	1n13	16s29	1n50	16s17	0s43	0s18	1s56	31s36	11s29	22s49	22s55	22n31		n.a.
F 2	18 33	12 42	2 52	16 41	0 57	17 42	1 27	0 31	0 3	22 4	1 13	16 30	1 50	16 16	0 43	0 17	1 56	31 36	11 29	22 49	22 56	22 29		n.a.
S 3	18 17	7 53	3 43	15 56	0 48	17 19	1 27	0 14	0 2	22 6	1 13	16 31	1 50	16 15	0 43	0 17	1 56	31 36	11 29	22 49	22 56	22 28		n.a.
S 4	18 1	2 43	4 25	15 10	0 38	16 56	1 26	0n 3	0 1	22 7	1 13	16 31	1 50	16 14	0 43	0 16	1 55	31 35	11 30	22 50	22 56	22 26		n.a.
M 5	17 44	2s38	4 55	14 23	0 27	16 32	1 26	0 21	0 0	22 9	1 13	16 32	1 50	16 13	0 43	0 16	1 55	31 35	11 30	22 50	22 57	22 24		n.a.
T 6	17 28	7 57	5 11	13 36	0 16	16 8	1 26	0 38	0n 1	22 10	1 13	16 33	1 51	16 12	0 43	0 15	1 55	31 35	11 30	22 51	22 57	22 23		n.a.
W 7	17 11	13 2	5 13	12 47	0 4	15 43	1 26	0 55	0 1	22 12	1 13	16 33	1 51	16 11	0 43	0 14	1 55	31 34	11 30	22 51	22 57	22 21		n.a.
T 8	16 53	17 39	4 58	11 59	0n 8	15 18	1 25	1 12	0 2	22 13	1 13	16 34	1 51	16 10	0 43	0 14	1 55	31 34	11 30	22 51	22 58	22 19		n.a.
F 9	16 36	21 30	4 26	11 11	0 21	14 53	1 25	1 29	0 3	22 15	1 13	16 34	1 51	16 9	0 43	0 13	1 55	31 34	11 30	22 51	22 58	22 17		n.a.
S 10	16 18	24 14	3 39	10 23	0 34	14 27	1 24	1 46	0 4	22 16	1 13	16 35	1 51	16 8	0 43	0 12	1 55	31 34	11 30	22 51	22 58	22 16		n.a.
S 11	16 0	25 32	2 37	9 36	0 47	14 1	1 24	2 3	0 4	22 18	1 13	16 35	1 51	16 7	0 43	0 11	1 55	31 33	11 30	22 51	22 59	22 14		n.a.
M12	15 42	25 9	1 24	8 50	1 0	13 34	1 23	2 21	0 5	22 19	1 13	16 36	1 51	16 6	0 43	0 11	1 55	31 33	11 30	22 51	22 59	22 12		n.a.
T 13	15 23	23 0	0 4	8 6	1 14	13 7	1 23	2 38	0 6	22 20	1 13	16 36	1 51	16 4	0 43	0 10	1 55	31 33	11 31	22 51	22 59	22 10		n.a.
W14	15 4	19 15	1n17	7 23	1 28	12 40	1 22	2 55	0 7	22 22	1 13	16 37	1 52	16 3	0 43	0 9	1 55	31 33	11 31	22 51	23 0	22 9		n.a.
T 15	14 45	14 13	2 33	6 43	1 41	12 12	1 21	3 12	0 7	22 23	1 13	16 37	1 52	16 2	0 43	0 9	1 55	31 32	11 31	22 51	23 0	22 7		n.a.
F 16	14 26	8 22	3 38	6 5	1 55	11 44	1 20	3 28	0 8	22 24	1 13	16 37	1 52	16 1	0 43	0 8	1 55	31 32	11 31	22 52	23 0	22 5		n.a.
S 17	14 6	2 9	4 27	5 29	2 8	11 16	1 19	3 45	0 9	22 25	1 13	16 38	1 52	16 0	0 43	0 7	1 55	31 32	11 31	22 52	23 1	22 3		n.a.
S 18	13 46	4n 2	4 58	4 57	2 21	10 47	1 18	4 2	0 9	22 26	1 13	16 38	1 52	15 59	0 43	0 6	1 55	31 32	11 31	22 53	23 1	22 1		n.a.
M19	13 26	9 49	5 11	4 28	2 33	10 18	1 17	4 19	0 10	22 28	1 13	16 38	1 52	15 58	0 43	0 6	1 55	31 31	11 31	22 54	23 1	22 0		n.a.
T 20	13 6	14 56	5 5	4 2	2 44	9 49	1 16	4 36	0 11	22 29	1 13	16 39	1 52	15 57	0 43	0 5	1 55	31 31	11 32	22 54	23 2	21 58		n.a.
W21	12 46	19 12	4 43	3 40	2 55	9 20	1 15	4 52	0 12	22 30	1 13	16 39	1 53	15 56	0 43	0 4	1 55	31 31	11 32	22 54	23 2	21 56		n.a.
T 22	12 25	22 27	4 9	3 22	3 4	8 50	1 14	5 9	0 12	22 31	1 13	16 39	1 53	15 55	0 43	0 3	1 55	31 31	11 32	22 55	23 2	21 54		n.a.
F 23	12 4	24 34	3 23	3 8	3 13	8 20	1 12	5 26	0 13	22 32	1 13	16 39	1 53	15 54	0 43	0 2	1 55	31 31	11 32	22 55	23 3	21 52		n.a.
S 24	11 43	25 30	2 30	2 57	3 20	7 50	1 11	5 42	0 14	22 33	1 13	16 39	1 53	15 53	0 43	0 2	1 55	31 30	11 32	22 55	23 3	21 51		n.a.
S 25	11 22	25 14	1 30	2 51	3 27	7 20	1 9	5 59	0 14	22 34	1 13	16 40	1 53	15 52	0 43	0 1	1 55	31 30	11 32	22 54	23 3	21 49		n.a.
M26	11 1	23 50	0 28	2 50	3 31	6 50	1 8	6 15	0 15	22 35	1 13	16 40	1 53	15 51	0 43	0n 0	1 55	31 30	11 33	22 54	23 4	21 47		n.a.
T 27	10 40	21 24	0s36	2 52	3 35	6 19	1 6	6 32	0 16	22 36	1 13	16 40	1 53	15 49	0 43	0 1	1 54	31 30	11 33	22 54	23 4	21 45		n.a.
W28	10 18	18 3	1 39	2 58	3 36	5 48	1 5	6 48	0 16	22 36	1 13	16 40	1 53	15 48	0 43	0 2	1 54	31 30	11 33	22 55	23 4	21 43		n.a.
T 29	9s56	13n56	2s37	3s 8	3n36	5s17	1s 3	7n 4	0n17	22n37	1n13	16s40	1n54	15s47	0s43	0n 3	1s54	31s30	11s33	22s55	23s 5	21n41		n.a.

Julian Day Number = 1564761.5, Delta T = 04h21m44s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'45, Lahiri = - 9°52'44 Julian Calendar 1 Feb. 429 BCE == Greg. Calendar 27 Jan. 429 BCE

The year -428 astronomical counting style corresponds to year 429 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

MARCH 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 14 21	5♓36'29	27♌29	13°R15	20♓27	17♈48	24°R48	21♏59	19♒44	4♈29	0♒47	14°R41	13♉13	19♋53	n.a.	F 1
S 2	10 18 18	6°35'27	9♍46	12♓38	21°41	18°28	24♋44	21°59	19°48	4°31	0°48	14♉32	13°10	20° 0	n.a.	S 2
S 3	10 22 14	7°34'23	22°15	11°58	22°55	19° 8	24°39	21°59	19°51	4°33	0°49	14°23	13° 7	20° 7	n.a.	S 3
M 4	10 26 11	8°33'17	4♎56	11°14	24° 9	19°48	24°35	22° 0	19°54	4°35	0°51	14°13	13° 3	20°13	n.a.	M 4
T 5	10 30 8	9°32'09	17°49	10°29	25°23	20°29	24°31	22° 0	19°57	4°37	0°52	14° 4	13° 0	20°20	n.a.	T 5
W 6	10 34 4	10°31'00	0♏55	9°42	26°37	21° 9	24°28	22°R 0	20° 1	4°39	0°54	13°56	12°57	20°27	n.a.	W 6
T 7	10 38 1	11°29'48	14°14	8°54	27°51	21°49	24°24	22° 0	20° 4	4°41	0°55	13°50	12°54	20°33	n.a.	T 7
F 8	10 41 57	12°28'35	27°45	8° 8	29° 4	22°29	24°21	22° 0	20° 7	4°43	0°56	13°47	12°51	20°40	n.a.	F 8
S 9	10 45 54	13°27'19	11♐30	7°22	0♈18	23° 9	24°18	21°59	20°10	4°45	0°58	13°D46	12°48	20°47	n.a.	S 9
S 10	10 49 50	14°26'03	25°29	6°39	1°32	23°49	24°15	21°59	20°14	4°47	0°59	13°47	12°44	20°53	n.a.	S 10
M11	10 53 47	15°24'44	9♑41	5°59	2°46	24°29	24°12	21°59	20°17	4°50	1° 0	13°R47	12°41	21° 0	n.a.	M11
T 12	10 57 43	16°23'24	24° 7	5°22	4° 0	25° 9	24° 9	21°58	20°20	4°52	1° 1	13°47	12°38	21° 7	n.a.	T 12
W13	11 1 40	17°22'01	8♒42	4°49	5°13	25°49	24° 7	21°58	20°23	4°54	1° 3	13°44	12°35	21°13	n.a.	W13
T 14	11 5 36	18°20'37	23°22	4°21	6°27	26°29	24° 4	21°57	20°26	4°56	1° 4	13°40	12°32	21°20	n.a.	T 14
F 15	11 9 33	19°19'11	8♓ 1	3°57	7°41	27° 9	24° 2	21°56	20°29	4°58	1° 5	13°32	12°28	21°27	n.a.	F 15
S 16	11 13 30	20°17'43	22°31	3°38	8°54	27°49	24° 0	21°55	20°32	5° 0	1° 6	13°23	12°25	21°33	n.a.	S 16
S 17	11 17 26	21°16'13	6♈45	3°24	10° 8	28°28	23°59	21°54	20°36	5° 3	1° 8	13°12	12°22	21°40	n.a.	S 17
M18	11 21 23	22°14'40	20°39	3°16	11°22	29° 8	23°57	21°53	20°39	5° 5	1° 9	13° 1	12°19	21°46	n.a.	M18
T 19	11 25 19	23°13'06	4♉ 8	3°D12	12°35	29°48	23°56	21°52	20°42	5° 7	1°10	12°52	12°16	21°53	n.a.	T 19
W20	11 29 16	24°11'30	17°13	3°14	13°49	0♉28	23°55	21°51	20°45	5° 9	1°11	12°44	12°13	22° 0	n.a.	W20
T 21	11 33 12	25° 9'51	29°53	3°20	15° 2	1° 8	23°54	21°49	20°48	5°12	1°12	12°39	12° 9	22° 6	n.a.	T 21
F 22	11 37 9	26° 8'10	12♊13	3°32	16°16	1°47	23°53	21°48	20°50	5°14	1°13	12°37	12° 6	22°13	n.a.	F 22
S 23	11 41 5	27° 6'27	24°17	3°48	17°29	2°27	23°52	21°46	20°53	5°16	1°14	12°D36	12° 3	22°20	n.a.	S 23
S 24	11 45 2	28° 4'42	6♋10	4° 9	18°42	3° 7	23°52	21°45	20°56	5°18	1°15	12°R36	12° 0	22°26	n.a.	S 24
M25	11 48 59	29° 2'55	17°58	4°34	19°56	3°46	23°52	21°43	20°59	5°20	1°16	12°36	11°57	22°33	n.a.	M25
T 26	11 52 55	0♈ 1'06	29°46	5° 4	21° 9	4°26	23°D51	21°41	21° 2	5°23	1°17	12°35	11°53	22°40	n.a.	T 26
W27	11 56 52	0°59'14	11♌40	5°38	22°22	5° 5	23°52	21°39	21° 5	5°25	1°18	12°31	11°50	22°46	n.a.	W27
T 28	12 0 48	1°57'21	23°42	6°15	23°36	5°45	23°52	21°37	21° 8	5°27	1°19	12°26	11°47	22°53	n.a.	T 28
F 29	12 4 45	2°55'25	5♍58	6°57	24°49	6°24	23°52	21°35	21°10	5°29	1°20	12°17	11°44	23° 0	n.a.	F 29
S 30	12 8 41	3°53'28	18°28	7°42	26° 2	7° 4	23°53	21°33	21°13	5°32	1°21	12° 7	11°41	23° 6	n.a.	S 30
S 31	12 12 38	4♈51'28	1♎14	8♓31	27♈15	7♉43	23♋54	21♏31	21♒16	5♈34	1♒22	11♉54	11♉38	23♋13	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s34	9n14	3s29	3s22	3n35	4s46	1s 2	7n20	0n18	22n38	1n13	16s40	1n54	15s46	0s43	0n 3	1s54	31s29	11s33	22s56	23s 5	21n40		n.a.
S 2	9 12	4 8	4 12	3 39	3 31	4 15	1 0	7 37	0 18	22 39	1 13	16 40	1 54	15 45	0 43	0 4	1 54	31 29	11 34	22 57	23 5	21 38		n.a.
S 3	8 50	1s13	4 43	3 59	3 26	3 44	0 58	7 53	0 19	22 39	1 13	16 40	1 54	15 44	0 43	0 5	1 54	31 29	11 34	22 58	23 6	21 36		n.a.
M 4	8 28	6 35	5 2	4 22	3 19	3 13	0 56	8 9	0 20	22 40	1 12	16 40	1 54	15 43	0 43	0 6	1 54	31 29	11 34	22 59	23 6	21 34		n.a.
T 5	8 6	11 46	5 5	4 47	3 11	2 41	0 54	8 25	0 20	22 41	1 12	16 40	1 54	15 42	0 43	0 7	1 54	31 29	11 34	23 0	23 6	21 32		n.a.
W 6	7 43	16 30	4 52	5 14	3 1	2 10	0 52	8 40	0 21	22 41	1 12	16 40	1 54	15 41	0 43	0 8	1 54	31 29	11 35	23 1	23 6	21 30		n.a.
T 7	7 21	20 30	4 24	5 43	2 50	1 38	0 50	8 56	0 21	22 42	1 12	16 40	1 54	15 40	0 43	0 8	1 54	31 29	11 35	23 1	23 7	21 28		n.a.
F 8	6 58	23 29	3 41	6 12	2 38	1 7	0 48	9 12	0 22	22 42	1 12	16 39	1 55	15 39	0 43	0 9	1 54	31 29	11 35	23 1	23 7	21 27		n.a.
S 9	6 35	25 9	2 44	6 41	2 24	0 35	0 46	9 27	0 23	22 43	1 12	16 39	1 55	15 38	0 43	0 10	1 54	31 29	11 35	23 2	23 7	21 25		n.a.
S 10	6 12	25 16	1 36	7 11	2 10	0 3	0 44	9 43	0 23	22 43	1 12	16 39	1 55	15 37	0 43	0 11	1 54	31 29	11 35	23 1	23 8	21 23		n.a.
M11	5 49	23 45	0 22	7 40	1 55	0n28	0 42	9 58	0 24	22 44	1 12	16 39	1 55	15 36	0 44	0 12	1 54	31 28	11 36	23 1	23 8	21 21		n.a.
T 12	5 26	20 40	0n55	8 8	1 39	1 0	0 40	10 14	0 24	22 44	1 12	16 39	1 55	15 35	0 44	0 13	1 54	31 28	11 36	23 1	23 8	21 19		n.a.
W13	5 3	16 15	2 9	8 34	1 23	1 32	0 38	10 29	0 25	22 44	1 12	16 38	1 55	15 34	0 44	0 14	1 54	31 28	11 36	23 2	23 9	21 17		n.a.
T 14	4 40	10 51	3 15	9 0	1 7	2 3	0 35	10 44	0 26	22 45	1 12	16 38	1 55	15 33	0 44	0 15	1 54	31 28	11 36	23 2	23 9	21 15		n.a.
F 15	4 17	4 51	4 7	9 23	0 51	2 35	0 33	11 0	0 26	22 45	1 11	16 38	1 55	15 32	0 44	0 16	1 54	31 28	11 37	23 3	23 9	21 13		n.a.
S 16	3 54	1n19	4 43	9 45	0 35	3 6	0 31	11 15	0 27	22 45	1 11	16 37	1 56	15 31	0 44	0 16	1 54	31 28	11 37	23 4	23 10	21 11		n.a.
S 17	3 30	7 19	5 1	10 5	0 20	3 38	0 28	11 30	0 27	22 46	1 11	16 37	1 56	15 30	0 44	0 17	1 54	31 28	11 37	23 5	23 10	21 9		n.a.
M18	3 7	12 47	5 0	10 22	0 4	4 9	0 26	11 44	0 28	22 46	1 11	16 37	1 56	15 29	0 44	0 18	1 54	31 28	11 37	23 6	23 10	21 7		n.a.
T 19	2 44	17 29	4 42	10 37	0s10	4 40	0 24	11 59	0 28	22 46	1 11	16 36	1 56	15 28	0 44	0 19	1 54	31 28	11 38	23 7	23 10	21 6		n.a.
W20	2 20	21 11	4 10	10 50	0 25	5 12	0 21	12 14	0 29	22 46	1 11	16 36	1 56	15 27	0 44	0 20	1 54	31 28	11 38	23 8	23 11	21 4		n.a.
T 21	1 57	23 45	3 27	11 1	0 39	5 43	0 19	12 28	0 29	22 46	1 11	16 35	1 56	15 26	0 44	0 21	1 54	31 28	11 38	23 8	23 11	21 2		n.a.
F 22	1 33	25 6	2 34	11 9	0 52	6 14	0 16	12 43	0 30	22 46	1 11	16 35	1 56	15 25	0 44	0 22	1 54	31 28	11 39	23 8	23 11	21 0		n.a.
S 23	1 10	25 13	1 36	11 14	1 4	6 45	0 14	12 57	0 31	22 46	1 11	16 34	1 56	15 24	0 44	0 23	1 54	31 28	11 39	23 9	23 12	20 58		n.a.
S 24	0 46	24 10	0 34	11 18	1 16	7 15	0 11	13 12	0 31	22 46	1 10	16 34	1 56	15 23	0 44	0 24	1 54	31 28	11 39	23 9	23 12	20 56		n.a.
M25	0 23	22 3	0s29	11 19	1 28	7 46	0 8	13 26	0 32	22 46	1 10	16 33	1 57	15 23	0 44	0 25	1 54	31 28	11 39	23 9	23 12	20 54		n.a.
T 26	0n 0	19 0	1 30	11 17	1 38	8 16	0 6	13 40	0 32	22 46	1 10	16 33	1 57	15 22	0 44	0 25	1 54	31 28	11 40	23 9	23 12	20 52		n.a.
W27	0 24	15 9	2 28	11 14	1 48	8 46	0 3	13 54	0 33	22 46	1 10	16 32	1 57	15 21	0 44	0 26	1 54	31 28	11 40	23 9	23 13	20 50		n.a.
T 28	0 47	10 39	3 20	11 8	1 57	9 16	0 0	14 8	0 33	22 45	1 10	16 31	1 57	15 20	0 44	0 27	1 54	31 28	11 40	23 10	23 13	20 48		n.a.
F 29	1 11	5 41	4 3	11 0	2 5	9 46	0n 2	14 21	0 34	22 45	1 10	16 31	1 57	15 19	0 44	0 28	1 54	31 28	11 41	23 10	23 13	20 46		n.a.
S 30	1 34	0 24	4 36	10 50	2 13	10 15	0 5	14 35	0 34	22 45	1 10	16 30	1 57	15 18	0 44	0 29	1 54	31 28	11 41	23 11	23 14	20 44		n.a.
S 31	1n57	5s 0	4s55	10s38	2s20	10n45	0n 8	14n49	0n35	22n45	1n10	16s29	1n57	15s17	0s44	0n30	1s54	31s29	11s41	23s12	23s14	20n42		n.a.

Julian Day Number = 1564790.5, Delta T = 04h21m43s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'41, Lahiri = - 9°52'40 Julian Calendar 1 March 429 BCE == Greg. Calendar 25 Feb. 429 BCE

The year -428 astronomical counting style corresponds to year 429 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

APRIL 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 16 34	5♈49'27	14♎15	9♓23	28♈28	8♉23	23♋55	21°R28	21♒19	5♈36	1♒23	11°R41	11♑34	23♋20	n.a.	M 1
T 2	12 20 31	6°47'25	27°31	10°18	29°41	9° 2	23°56	21♏26	21°21	5°38	1°24	11♑29	11°31	23°26	n.a.	T 2
W 3	12 24 27	7°45'20	10♏59	11°16	0♉54	9°42	23°58	21°23	21°24	5°41	1°25	11°19	11°28	23°33	n.a.	W 3
T 4	12 28 24	8°43'14	24°37	12°17	2° 7	10°21	23°59	21°21	21°26	5°43	1°25	11°11	11°25	23°39	n.a.	T 4
F 5	12 32 21	9°41'07	8♐24	13°21	3°20	11° 0	24° 1	21°18	21°29	5°45	1°26	11° 7	11°22	23°46	n.a.	F 5
S 6	12 36 17	10°38'59	22°18	14°28	4°33	11°40	24° 3	21°15	21°31	5°48	1°27	11° 4	11°19	23°53	n.a.	S 6
S 7	12 40 14	11°36'49	6♑18	15°38	5°46	12°19	24° 5	21°13	21°34	5°50	1°28	11° 4	11°15	23°59	n.a.	S 7
M 8	12 44 10	12°34'38	20°24	16°50	6°59	12°58	24° 7	21°10	21°36	5°52	1°28	11° 4	11°12	24° 6	n.a.	M 8
T 9	12 48 7	13°32'26	4♒35	18° 5	8°12	13°37	24°10	21° 7	21°39	5°54	1°29	11° 3	11° 9	24°13	n.a.	T 9
W10	12 52 3	14°30'12	18°50	19°22	9°24	14°17	24°12	21° 4	21°41	5°57	1°30	11° 0	11° 6	24°19	n.a.	W10
T 11	12 56 0	15°27'57	3♓ 6	20°42	10°37	14°56	24°15	21° 1	21°44	5°59	1°30	10°55	11° 3	24°26	n.a.	T 11
F 12	12 59 56	16°25'41	17°19	22° 4	11°50	15°35	24°18	20°58	21°46	6° 1	1°31	10°46	10°59	24°33	n.a.	F 12
S 13	13 3 53	17°23'23	1♈25	23°28	13° 3	16°14	24°21	20°54	21°48	6° 3	1°32	10°36	10°56	24°39	n.a.	S 13
S 14	13 7 50	18°21'04	15°19	24°55	14°15	16°53	24°25	20°51	21°50	6° 5	1°32	10°24	10°53	24°46	n.a.	S 14
M15	13 11 46	19°18'43	28°56	26°24	15°28	17°32	24°28	20°48	21°53	6° 8	1°33	10°12	10°50	24°53	n.a.	M15
T 16	13 15 43	20°16'22	12♉14	27°55	16°40	18°12	24°32	20°44	21°55	6°10	1°33	10° 1	10°47	24°59	n.a.	T 16
W17	13 19 39	21°13'59	25°11	29°29	17°53	18°51	24°36	20°41	21°57	6°12	1°34	9°52	10°44	25° 6	n.a.	W17
T 18	13 23 36	22°11'34	7♊48	1♈ 5	19° 5	19°30	24°40	20°37	21°59	6°14	1°34	9°46	10°40	25°13	n.a.	T 18
F 19	13 27 32	23° 9'08	20° 6	2°43	20°18	20° 9	24°44	20°34	22° 1	6°16	1°35	9°42	10°37	25°19	n.a.	F 19
S 20	13 31 29	24° 6'40	2♋10	4°23	21°30	20°48	24°48	20°30	22° 3	6°19	1°35	9°41	10°34	25°26	n.a.	S 20
S 21	13 35 25	25° 4'11	14° 4	6° 5	22°43	21°27	24°53	20°26	22° 5	6°21	1°36	9°D41	10°31	25°32	n.a.	S 21
M22	13 39 22	26° 1'40	25°53	7°50	23°55	22° 6	24°57	20°23	22° 7	6°23	1°36	9°R41	10°28	25°39	n.a.	M22
T 23	13 43 19	26°59'08	7♌43	9°37	25° 7	22°45	25° 2	20°19	22° 9	6°25	1°37	9°41	10°25	25°46	n.a.	T 23
W24	13 47 15	27°56'35	19°38	11°26	26°19	23°24	25° 7	20°15	22°11	6°27	1°37	9°38	10°21	25°52	n.a.	W24
T 25	13 51 12	28°54'00	1♍45	13°17	27°32	24° 2	25°12	20°11	22°12	6°29	1°37	9°34	10°18	25°59	n.a.	T 25
F 26	13 55 8	29°51'23	14° 6	15°10	28°44	24°41	25°17	20° 7	22°14	6°31	1°37	9°27	10°15	26° 6	n.a.	F 26
S 27	13 59 5	0♉48'45	26°46	17° 5	29°56	25°20	25°23	20° 3	22°16	6°34	1°38	9°18	10°12	26°12	n.a.	S 27
S 28	14 3 1	1°46'07	9♎45	19° 3	1♊ 8	25°59	25°28	19°59	22°18	6°36	1°38	9° 8	10° 9	26°19	n.a.	S 28
M29	14 6 58	2°43'27	23° 4	21° 3	2°20	26°38	25°34	19°55	22°19	6°38	1°38	8°57	10° 5	26°26	n.a.	M29
T 30	14 10 54	3♉40'46	6♏41	23♈ 4	3♊32	27♉17	25♋40	19♏51	22♒21	6♈40	1♒38	8♑47	10♑ 2	26♋32	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n21	10s17	5s 0	10s24	2s26	11n14	0n10	15n 2	0n35	22n44	1n10	16s29	1n57	15s16	0s44	0n31	1s54	31s29	11s42	23s14	23s14	20n40		n.a.
T 2	2 44	15 12	4 49	10 8	2 32	11 42	0 13	15 15	0 36	22 44	1 9	16 28	1 57	15 16	0 44	0 32	1 54	31 29	11 42	23 15	23 14	20 38		n.a.
W 3	3 7	19 27	4 22	9 50	2 36	12 11	0 16	15 28	0 36	22 44	1 9	16 27	1 57	15 15	0 44	0 33	1 54	31 29	11 42	23 16	23 15	20 36		n.a.
T 4	3 30	22 42	3 39	9 30	2 40	12 39	0 18	15 42	0 37	22 43	1 9	16 26	1 58	15 14	0 44	0 34	1 54	31 29	11 42	23 16	23 15	20 34		n.a.
F 5	3 53	24 41	2 43	9 8	2 44	13 7	0 21	15 54	0 37	22 43	1 9	16 26	1 58	15 13	0 44	0 34	1 54	31 29	11 43	23 17	23 15	20 32		n.a.
S 6	4 16	25 9	1 38	8 45	2 47	13 34	0 24	16 7	0 38	22 42	1 9	16 25	1 58	15 12	0 44	0 35	1 54	31 29	11 43	23 17	23 16	20 30		n.a.
S 7	4 39	24 1	0 25	8 19	2 49	14 2	0 26	16 20	0 38	22 42	1 9	16 24	1 58	15 12	0 44	0 36	1 54	31 29	11 43	23 17	23 16	20 28		n.a.
M 8	5 2	21 22	0n49	7 52	2 50	14 29	0 29	16 33	0 39	22 41	1 9	16 23	1 58	15 11	0 44	0 37	1 54	31 29	11 44	23 17	23 16	20 26		n.a.
T 9	5 25	17 24	2 1	7 23	2 51	14 55	0 32	16 45	0 39	22 41	1 9	16 22	1 58	15 10	0 44	0 38	1 54	31 30	11 44	23 17	23 16	20 24		n.a.
W10	5 47	12 26	3 5	6 53	2 51	15 21	0 34	16 57	0 39	22 40	1 8	16 22	1 58	15 9	0 44	0 39	1 54	31 30	11 44	23 17	23 17	20 22		n.a.
T 11	6 10	6 48	3 58	6 21	2 51	15 47	0 37	17 10	0 40	22 40	1 8	16 21	1 58	15 9	0 44	0 40	1 54	31 30	11 45	23 18	23 17	20 20		n.a.
F 12	6 32	0 50	4 36	5 47	2 50	16 13	0 40	17 22	0 40	22 39	1 8	16 20	1 58	15 8	0 44	0 41	1 54	31 30	11 45	23 18	23 17	20 18		n.a.
S 13	6 55	5n 6	4 57	5 11	2 48	16 38	0 42	17 34	0 41	22 38	1 8	16 19	1 58	15 7	0 44	0 42	1 54	31 30	11 45	23 19	23 17	20 16		n.a.
S 14	7 17	10 42	5 0	4 34	2 46	17 2	0 45	17 45	0 41	22 38	1 8	16 18	1 58	15 6	0 44	0 42	1 54	31 30	11 46	23 20	23 18	20 14		n.a.
M15	7 39	15 40	4 45	3 56	2 43	17 27	0 48	17 57	0 42	22 37	1 8	16 17	1 58	15 6	0 44	0 43	1 54	31 31	11 46	23 21	23 18	20 12		n.a.
T 16	8 1	19 45	4 15	3 16	2 39	17 50	0 50	18 9	0 42	22 36	1 8	16 16	1 58	15 5	0 44	0 44	1 54	31 31	11 46	23 22	23 18	20 10		n.a.
W17	8 23	22 44	3 33	2 35	2 35	18 14	0 53	18 20	0 43	22 35	1 8	16 15	1 58	15 4	0 44	0 45	1 54	31 31	11 47	23 23	23 18	20 8		n.a.
T 18	8 45	24 32	2 41	1 52	2 31	18 36	0 55	18 31	0 43	22 34	1 7	16 14	1 58	15 4	0 44	0 46	1 54	31 31	11 47	23 23	23 19	20 6		n.a.
F 19	9 7	25 4	1 42	1 8	2 25	18 59	0 58	18 42	0 43	22 33	1 7	16 13	1 58	15 3	0 44	0 47	1 54	31 31	11 47	23 23	23 19	20 4		n.a.
S 20	9 28	24 24	0 40	0 22	2 20	19 21	1 1	18 53	0 44	22 33	1 7	16 12	1 58	15 2	0 45	0 48	1 54	31 32	11 48	23 23	23 19	20 2		n.a.
S 21	9 49	22 36	0s23	0n25	2 13	19 42	1 3	19 4	0 44	22 32	1 7	16 11	1 58	15 2	0 45	0 48	1 54	31 32	11 48	23 23	23 20	20 0		n.a.
M22	10 11	19 51	1 25	1 13	2 7	20 3	1 5	19 15	0 45	22 31	1 7	16 10	1 59	15 1	0 45	0 49	1 54	31 32	11 48	23 23	23 20	19 57		n.a.
T 23	10 32	16 16	2 23	2 2	1 59	20 23	1 8	19 25	0 45	22 30	1 7	16 9	1 59	15 1	0 45	0 50	1 54	31 32	11 49	23 23	23 20	19 55		n.a.
W24	10 53	12 1	3 16	2 52	1 52	20 43	1 10	19 36	0 45	22 29	1 7	16 8	1 59	15 0	0 45	0 51	1 54	31 33	11 49	23 24	23 20	19 53		n.a.
T 25	11 13	7 15	4 0	3 43	1 43	21 2	1 13	19 46	0 46	22 28	1 7	16 7	1 59	14 59	0 45	0 52	1 54	31 33	11 49	23 24	23 21	19 51		n.a.
F 26	11 34	2 7	4 34	4 36	1 35	21 21	1 15	19 56	0 46	22 26	1 6	16 6	1 59	14 59	0 45	0 53	1 54	31 33	11 50	23 24	23 21	19 49		n.a.
S 27	11 54	3s13	4 56	5 29	1 26	21 39	1 17	20 6	0 47	22 25	1 6	16 5	1 59	14 58	0 45	0 53	1 54	31 33	11 50	23 25	23 21	19 47		n.a.
S 28	12 14	8 32	5 3	6 23	1 16	21 57	1 19	20 16	0 47	22 24	1 6	16 4	1 59	14 58	0 45	0 54	1 54	31 34	11 50	23 26	23 21	19 45		n.a.
M29	12 34	13 37	4 54	7 17	1 6	22 14	1 22	20 25	0 47	22 23	1 6	16 3	1 59	14 57	0 45	0 55	1 54	31 34	11 51	23 26	23 22	19 43		n.a.
T 30	12n54	18s 8	4s28	8n12	0s56	22n30	1n24	20n35	0n48	22n22	1n 6	16s 1	1n59	14s57	0s45	0n56	1s54	31s34	11s51	23s27	23s22	19n41		n.a.

Julian Day Number = 1564821.5, Delta T = 04h21m42s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'37, Lahiri = - 9°52'36 Julian Calendar 1 Apr. 429 BCE == Greg. Calendar 27 March 429 BCE

The year -428 astronomical counting style corresponds to year 429 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

MAY 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 14 51	4♉38'04	20♏33	25♈ 7	4♊44	27♉55	25♋46	19°R47	22♒22	6♈42	1♒39	8°R38	9♑59	26♋39	n.a.	W 1
T 2	14 18 48	5°35'21	4♐36	27°12	5°56	28°34	25°52	19♏43	22°24	6°44	1°39	8♑32	9°56	26°46	n.a.	T 2
F 3	14 22 44	6°32'38	18°47	29°19	7° 7	29°13	25°58	19°38	22°25	6°46	1°39	8°28	9°53	26°52	n.a.	F 3
S 4	14 26 41	7°29'54	3♑ 0	1♉27	8°19	29°52	26° 5	19°34	22°27	6°48	1°39	8°D26	9°50	26°59	n.a.	S 4
S 5	14 30 37	8°27'09	17°13	3°36	9°31	0♊30	26°11	19°30	22°28	6°50	1°39	8°27	9°46	27° 6	n.a.	S 5
M 6	14 34 34	9°24'24	1♒25	5°47	10°42	1° 9	26°18	19°26	22°29	6°52	1°39	8°27	9°43	27°12	n.a.	M 6
T 7	14 38 30	10°21'39	15°33	7°58	11°54	1°48	26°25	19°21	22°31	6°54	1°R39	8°R27	9°40	27°19	n.a.	T 7
W 8	14 42 27	11°18'52	29°36	10° 9	13° 6	2°26	26°32	19°17	22°32	6°56	1°39	8°26	9°37	27°26	n.a.	W 8
T 9	14 46 23	12°16'06	13♓34	12°21	14°17	3° 5	26°39	19°13	22°33	6°58	1°39	8°22	9°34	27°32	n.a.	T 9
F 10	14 50 20	13°13'19	27°24	14°33	15°29	3°44	26°46	19° 8	22°34	7° 0	1°39	8°17	9°30	27°39	n.a.	F 10
S 11	14 54 17	14°10'31	11♈ 4	16°44	16°40	4°22	26°53	19° 4	22°35	7° 1	1°39	8° 9	9°27	27°46	n.a.	S 11
S 12	14 58 13	15° 7'44	24°32	18°55	17°51	5° 1	27° 1	19° 0	22°36	7° 3	1°39	8° 0	9°24	27°52	n.a.	S 12
M13	15 2 10	16° 4'55	7♉47	21° 5	19° 3	5°40	27° 8	18°55	22°38	7° 5	1°39	7°51	9°21	27°59	n.a.	M13
T 14	15 6 6	17° 2'07	20°46	23°14	20°14	6°18	27°16	18°51	22°38	7° 7	1°39	7°43	9°18	28° 5	n.a.	T 14
W15	15 10 3	17°59'18	3♊28	25°21	21°25	6°57	27°24	18°46	22°39	7° 9	1°38	7°37	9°15	28°12	n.a.	W15
T 16	15 13 59	18°56'28	15°55	27°27	22°36	7°35	27°32	18°42	22°40	7°11	1°38	7°32	9°11	28°19	n.a.	T 16
F 17	15 17 56	19°53'38	28° 7	29°32	23°47	8°14	27°40	18°38	22°41	7°12	1°38	7°30	9° 8	28°25	n.a.	F 17
S 18	15 21 53	20°50'47	10♋ 8	1♊35	24°58	8°52	27°48	18°33	22°42	7°14	1°38	7°D30	9° 5	28°32	n.a.	S 18
S 19	15 25 49	21°47'55	22° 0	3°36	26° 9	9°31	27°56	18°29	22°43	7°16	1°37	7°31	9° 2	28°39	n.a.	S 19
M20	15 29 46	22°45'03	3♌49	5°35	27°20	10° 9	28° 5	18°24	22°43	7°18	1°37	7°32	8°59	28°45	n.a.	M20
T 21	15 33 42	23°42'11	15°39	7°32	28°31	10°48	28°13	18°20	22°44	7°19	1°37	7°33	8°56	28°52	n.a.	T 21
W22	15 37 39	24°39'18	27°35	9°27	29°42	11°26	28°22	18°16	22°44	7°21	1°37	7°R33	8°52	28°59	n.a.	W22
T 23	15 41 35	25°36'24	9♍42	11°19	0♋53	12° 5	28°31	18°11	22°45	7°23	1°36	7°32	8°49	29° 5	n.a.	T 23
F 24	15 45 32	26°33'30	22° 5	13°10	2° 3	12°43	28°40	18° 7	22°45	7°24	1°36	7°30	8°46	29°12	n.a.	F 24
S 25	15 49 28	27°30'35	4♎48	14°59	3°14	13°22	28°49	18° 3	22°46	7°26	1°35	7°25	8°43	29°19	n.a.	S 25
S 26	15 53 25	28°27'40	17°54	16°45	4°25	14° 0	28°58	17°58	22°46	7°27	1°35	7°20	8°40	29°25	n.a.	S 26
M27	15 57 22	29°24'45	1♏23	18°29	5°35	14°38	29° 7	17°54	22°47	7°29	1°34	7°14	8°36	29°32	n.a.	M27
T 28	16 1 18	0♊21'49	15°15	20°11	6°45	15°17	29°16	17°50	22°47	7°31	1°34	7° 8	8°33	29°39	n.a.	T 28
W29	16 5 15	1°18'54	29°26	21°51	7°56	15°55	29°26	17°46	22°47	7°32	1°33	7° 3	8°30	29°45	n.a.	W29
T 30	16 9 11	2°15'59	13♐53	23°28	9° 6	16°34	29°35	17°42	22°47	7°34	1°33	7° 0	8°27	29°52	n.a.	T 30
F 31	16 13 8	3♊13'03	28♐28	25♊ 4	10♋16	17♊12	29♋45	17♏37	22♒48	7♈35	1♒32	6♑58	8♑24	29♋59	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	13n14	21s45	3s46	9n 8	0s46	22n46	1n26	20n44	0n48	22n21	1n 6	16s 0	1n59	14s56	0s45	0n57	1s54	31s34	11s51	23s28	23s22	19n39			n.a.
T 2	13 33	24 7	2 50	10 4	0 36	23 1	1 28	20 53	0 49	22 19	1 6	15 59	1 59	14 56	0 45	0 57	1 54	31 35	11 52	23 28	23 22	19 37			n.a.
F 3	13 52	24 59	1 43	10 59	0 25	23 15	1 30	21 2	0 49	22 18	1 6	15 58	1 59	14 55	0 45	0 58	1 54	31 35	11 52	23 28	23 22	19 34			n.a.
S 4	14 11	24 12	0 29	11 55	0 14	23 29	1 32	21 11	0 49	22 17	1 6	15 57	1 59	14 55	0 45	0 59	1 55	31 35	11 52	23 28	23 23	19 32			n.a.
S 5	14 30	21 51	0n47	12 49	0 3	23 42	1 34	21 20	0 50	22 15	1 5	15 56	1 59	14 55	0 45	1 0	1 55	31 36	11 53	23 28	23 23	19 30			n.a.
M 6	14 49	18 9	2 0	13 44	0n 7	23 55	1 36	21 28	0 50	22 14	1 5	15 55	1 59	14 54	0 45	1 0	1 55	31 36	11 53	23 28	23 23	19 28			n.a.
T 7	15 7	13 26	3 5	14 37	0 18	24 7	1 37	21 37	0 50	22 12	1 5	15 54	1 58	14 54	0 45	1 1	1 55	31 36	11 53	23 28	23 23	19 26			n.a.
W 8	15 25	8 2	3 59	15 30	0 28	24 18	1 39	21 45	0 51	22 11	1 5	15 52	1 58	14 53	0 45	1 2	1 55	31 37	11 54	23 29	23 24	19 24			n.a.
T 9	15 43	2 16	4 38	16 21	0 38	24 29	1 41	21 53	0 51	22 10	1 5	15 51	1 58	14 53	0 45	1 3	1 55	31 37	11 54	23 29	23 24	19 22			n.a.
F 10	16 1	3n32	5 0	17 10	0 48	24 38	1 42	22 1	0 51	22 8	1 5	15 50	1 58	14 53	0 45	1 3	1 55	31 37	11 54	23 29	23 24	19 20			n.a.
S 11	16 18	9 6	5 5	17 58	0 57	24 48	1 44	22 8	0 52	22 7	1 5	15 49	1 58	14 52	0 45	1 4	1 55	31 38	11 55	23 30	23 24	19 17			n.a.
S 12	16 35	14 10	4 53	18 43	1 6	24 56	1 45	22 16	0 52	22 5	1 5	15 48	1 58	14 52	0 45	1 5	1 55	31 38	11 55	23 30	23 25	19 15			n.a.
M13	16 52	18 28	4 26	19 27	1 14	25 4	1 47	22 23	0 52	22 3	1 5	15 47	1 58	14 52	0 45	1 6	1 55	31 38	11 55	23 31	23 25	19 13			n.a.
T 14	17 8	21 47	3 45	20 8	1 22	25 11	1 48	22 30	0 53	22 2	1 5	15 45	1 58	14 52	0 45	1 6	1 55	31 39	11 56	23 31	23 25	19 11			n.a.
W15	17 25	23 57	2 53	20 47	1 29	25 17	1 49	22 37	0 53	22 0	1 4	15 44	1 58	14 51	0 45	1 7	1 55	31 39	11 56	23 32	23 25	19 9			n.a.
T 16	17 41	24 53	1 54	21 23	1 35	25 23	1 51	22 44	0 53	21 58	1 4	15 43	1 58	14 51	0 45	1 8	1 55	31 39	11 56	23 32	23 25	19 7			n.a.
F 17	17 56	24 35	0 51	21 57	1 41	25 28	1 52	22 51	0 54	21 57	1 4	15 42	1 58	14 51	0 46	1 8	1 55	31 40	11 57	23 32	23 26	19 4			n.a.
S 18	18 12	23 7	0s14	22 29	1 46	25 32	1 53	22 57	0 54	21 55	1 4	15 41	1 58	14 51	0 46	1 9	1 55	31 40	11 57	23 32	23 26	19 2			n.a.
S 19	18 27	20 39	1 18	22 57	1 51	25 35	1 54	23 4	0 54	21 53	1 4	15 40	1 58	14 50	0 46	1 10	1 55	31 41	11 57	23 32	23 26	19 0			n.a.
M20	18 42	17 19	2 18	23 23	1 54	25 38	1 55	23 10	0 55	21 51	1 4	15 39	1 58	14 50	0 46	1 10	1 55	31 41	11 58	23 32	23 26	18 58			n.a.
T 21	18 56	13 18	3 12	23 47	1 57	25 40	1 55	23 16	0 55	21 49	1 4	15 37	1 58	14 50	0 46	1 11	1 55	31 41	11 58	23 32	23 27	18 56			n.a.
W22	19 11	8 44	3 58	24 7	2 0	25 41	1 56	23 21	0 55	21 48	1 4	15 36	1 58	14 50	0 46	1 12	1 55	31 42	11 58	23 32	23 27	18 54			n.a.
T 23	19 25	3 48	4 35	24 26	2 1	25 42	1 57	23 27	0 56	21 46	1 4	15 35	1 58	14 50	0 46	1 12	1 55	31 42	11 59	23 32	23 27	18 51			n.a.
F 24	19 38	1s24	4 59	24 42	2 2	25 41	1 57	23 32	0 56	21 44	1 4	15 34	1 57	14 50	0 46	1 13	1 55	31 43	11 59	23 32	23 27	18 49			n.a.
S 25	19 51	6 40	5 10	24 55	2 2	25 40	1 58	23 38	0 56	21 42	1 4	15 33	1 57	14 49	0 46	1 13	1 55	31 43	11 59	23 32	23 27	18 47			n.a.
S 26	20 4	11 48	5 5	25 6	2 2	25 39	1 58	23 43	0 56	21 40	1 3	15 32	1 57	14 49	0 46	1 14	1 55	31 43	12 0	23 33	23 28	18 45			n.a.
M27	20 17	16 32	4 44	25 15	2 1	25 36	1 59	23 47	0 57	21 38	1 3	15 31	1 57	14 49	0 46	1 14	1 56	31 44	12 0	23 33	23 28	18 43			n.a.
T 28	20 29	20 31	4 5	25 22	1 59	25 33	1 59	23 52	0 57	21 36	1 3	15 30	1 57	14 49	0 46	1 15	1 56	31 44	12 0	23 33	23 28	18 40			n.a.
W29	20 41	23 23	3 10	25 26	1 57	25 29	1 59	23 57	0 57	21 34	1 3	15 29	1 57	14 49	0 46	1 16	1 56	31 45	12 1	23 33	23 28	18 38			n.a.
T 30	20 53	24 47	2 3	25 29	1 54	25 25	1 59	24 1	0 58	21 32	1 3	15 28	1 57	14 49	0 46	1 16	1 56	31 45	12 1	23 34	23 28	18 36			n.a.
F 31	21n 4	24s31	0s46	25n29	1n50	25n19	1n59	24n 5	0n58	21n30	1n 3	15s26	1n57	14s49	0s46	1n17	1s56	31s45	12s 1	23s34	23s29	18n34			n.a.

Julian Day Number = 1564851.5, Delta T = 04h21m41s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'33, Lahiri = - 9°52'32 Julian Calendar 1 May 429 BCE == Greg. Calendar 26 Apr. 429 BCE

The year -428 astronomical counting style corresponds to year 429 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

JUNE 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 17 4	4♊10'08	13♉ 6	26♊37	11♋26	17♊50	29♋54	17°R33	22♒48	7♈36	1°R32	6°D58	8♉21	0♌ 5	n.a.	S 1
S 2	16 21 1	5° 7'13	27°41	28° 8	12°36	18°29	0♌ 4	17♏29	22°48	7°38	1♒31	6♉59	8°17	0°12	n.a.	S 2
M 3	16 24 57	6° 4'19	12♒ 8	29°36	13°46	19° 7	0°14	17°25	22°R48	7°39	1°31	7° 1	8°14	0°19	n.a.	M 3
T 4	16 28 54	7° 1'25	26°24	1♋ 3	14°56	19°45	0°24	17°21	22°48	7°41	1°30	7° 2	8°11	0°25	n.a.	T 4
W 5	16 32 51	7°58'31	10♓27	2°27	16° 6	20°24	0°34	17°17	22°48	7°42	1°29	7°R 2	8° 8	0°32	n.a.	W 5
T 6	16 36 47	8°55'38	24°16	3°49	17°16	21° 2	0°44	17°13	22°47	7°43	1°29	7° 1	8° 5	0°39	n.a.	T 6
F 7	16 40 44	9°52'46	7♈51	5° 8	18°25	21°40	0°54	17° 9	22°47	7°44	1°28	6°59	8° 2	0°45	n.a.	F 7
S 8	16 44 40	10°49'54	21°11	6°25	19°35	22°19	1° 4	17° 6	22°47	7°46	1°27	6°56	7°58	0°52	n.a.	S 8
S 9	16 48 37	11°47'02	4♉16	7°40	20°44	22°57	1°15	17° 2	22°47	7°47	1°27	6°52	7°55	0°59	n.a.	S 9
M10	16 52 33	12°44'12	17° 8	8°52	21°54	23°35	1°25	16°58	22°46	7°48	1°26	6°49	7°52	1° 5	n.a.	M10
T 11	16 56 30	13°41'21	29°46	10° 1	23° 3	24°13	1°36	16°54	22°46	7°49	1°25	6°45	7°49	1°12	n.a.	T 11
W12	17 0 26	14°38'32	12♊12	11° 8	24°12	24°52	1°46	16°51	22°46	7°50	1°24	6°43	7°46	1°19	n.a.	W12
T 13	17 4 23	15°35'42	24°25	12°12	25°21	25°30	1°57	16°47	22°45	7°52	1°23	6°41	7°42	1°25	n.a.	T 13
F 14	17 8 20	16°32'54	6♋28	13°13	26°30	26° 8	2° 8	16°44	22°45	7°53	1°23	6°D40	7°39	1°32	n.a.	F 14
S 15	17 12 16	17°30'05	18°24	14°11	27°39	26°47	2°19	16°40	22°44	7°54	1°22	6°41	7°36	1°38	n.a.	S 15
S 16	17 16 13	18°27'18	0♌14	15° 6	28°48	27°25	2°30	16°37	22°43	7°55	1°21	6°42	7°33	1°45	n.a.	S 16
M17	17 20 9	19°24'30	12° 1	15°58	29°57	28° 3	2°41	16°33	22°43	7°56	1°20	6°43	7°30	1°52	n.a.	M17
T 18	17 24 6	20°21'43	23°51	16°47	1♌ 5	28°41	2°52	16°30	22°42	7°57	1°19	6°45	7°27	1°58	n.a.	T 18
W19	17 28 2	21°18'56	5♍47	17°32	2°14	29°20	3° 3	16°27	22°41	7°58	1°18	6°46	7°23	2° 5	n.a.	W19
T 20	17 31 59	22°16'10	17°53	18°13	3°22	29°58	3°14	16°24	22°40	7°58	1°17	6°R46	7°20	2°12	n.a.	T 20
F 21	17 35 56	23°13'24	0♎15	18°51	4°31	0♋36	3°25	16°21	22°40	7°59	1°16	6°46	7°17	2°18	n.a.	F 21
S 22	17 39 52	24°10'39	12°56	19°25	5°39	1°14	3°37	16°18	22°39	8° 0	1°15	6°46	7°14	2°25	n.a.	S 22
S 23	17 43 49	25° 7'54	26° 0	19°54	6°47	1°52	3°48	16°15	22°38	8° 1	1°14	6°45	7°11	2°32	n.a.	S 23
M24	17 47 45	26° 5'10	9♏30	20°20	7°55	2°31	4° 0	16°12	22°37	8° 2	1°13	6°43	7° 8	2°38	n.a.	M24
T 25	17 51 42	27° 2'26	23°25	20°41	9° 3	3° 9	4°11	16° 9	22°36	8° 2	1°12	6°42	7° 4	2°45	n.a.	T 25
W26	17 55 38	27°59'44	7♐45	20°57	10°10	3°47	4°23	16° 6	22°35	8° 3	1°11	6°41	7° 1	2°52	n.a.	W26
T 27	17 59 35	28°57'02	22°26	21° 9	11°18	4°25	4°34	16° 4	22°34	8° 4	1°10	6°41	6°58	2°58	n.a.	T 27
F 28	18 3 31	29°54'21	7♑20	21°16	12°26	5° 3	4°46	16° 1	22°32	8° 5	1° 9	6°D40	6°55	3° 5	n.a.	F 28
S 29	18 7 28	0♋51'41	22°20	21°R17	13°33	5°42	4°58	15°59	22°31	8° 5	1° 8	6°41	6°52	3°12	n.a.	S 29
S 30	18 11 25	1♋49'02	7♒18	21♋14	14♌40	6♋20	5♌10	15♏56	22♒30	8♈ 6	1♒ 7	6♉41	6♉48	3♌18	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n15	22s32	0n33	25n28	1n46	25n13	1n59	24n 9	0n58	21n27	1n 3	15s25	1n57	14s49	0s46	1n17	1s56	31s46	12s 2	23s34	23s29	18n32		n.a.
S 2	21 26	19 5	1 51	25 25	1 41	25 7	1 59	24 13	0 58	21 25	1 3	15 24	1 56	14 49	0 46	1 18	1 56	31 46	12 2	23 34	23 29	18 29		n.a.
M 3	21 36	14 29	3 1	25 21	1 36	24 59	1 58	24 16	0 59	21 23	1 3	15 23	1 56	14 49	0 46	1 18	1 56	31 47	12 2	23 34	23 29	18 27		n.a.
T 4	21 46	9 9	3 58	25 14	1 30	24 51	1 58	24 20	0 59	21 21	1 3	15 22	1 56	14 49	0 46	1 19	1 56	31 47	12 2	23 33	23 29	18 25		n.a.
W 5	21 55	3 25	4 41	25 7	1 23	24 42	1 57	24 23	0 59	21 19	1 3	15 21	1 56	14 49	0 46	1 19	1 56	31 48	12 3	23 33	23 30	18 23		n.a.
T 6	22 4	2n22	5 6	24 58	1 16	24 33	1 57	24 26	1 0	21 16	1 3	15 20	1 56	14 49	0 46	1 20	1 56	31 48	12 3	23 34	23 30	18 20		n.a.
F 7	22 13	7 56	5 14	24 48	1 9	24 23	1 56	24 29	1 0	21 14	1 3	15 19	1 56	14 50	0 46	1 20	1 56	31 49	12 3	23 34	23 30	18 18		n.a.
S 8	22 21	13 3	5 4	24 36	1 1	24 12	1 55	24 31	1 0	21 12	1 2	15 18	1 56	14 50	0 46	1 21	1 56	31 49	12 4	23 34	23 30	18 16		n.a.
S 9	22 29	17 28	4 39	24 24	0 52	24 0	1 54	24 34	1 0	21 9	1 2	15 18	1 55	14 50	0 46	1 21	1 56	31 49	12 4	23 34	23 30	18 14		n.a.
M10	22 37	20 59	4 0	24 10	0 43	23 48	1 53	24 36	1 1	21 7	1 2	15 17	1 55	14 50	0 46	1 21	1 56	31 50	12 4	23 34	23 31	18 11		n.a.
T 11	22 44	23 27	3 9	23 56	0 34	23 36	1 52	24 38	1 1	21 4	1 2	15 16	1 55	14 50	0 47	1 22	1 56	31 50	12 4	23 34	23 31	18 9		n.a.
W12	22 51	24 42	2 11	23 40	0 24	23 22	1 51	24 40	1 1	21 2	1 2	15 15	1 55	14 50	0 47	1 22	1 56	31 51	12 5	23 34	23 31	18 7		n.a.
T 13	22 57	24 45	1 7	23 24	0 14	23 8	1 50	24 41	1 1	20 59	1 2	15 14	1 55	14 50	0 47	1 23	1 56	31 51	12 5	23 35	23 31	18 5		n.a.
F 14	23 3	23 36	0 1	23 8	0 3	22 54	1 48	24 43	1 1	20 57	1 2	15 13	1 55	14 51	0 47	1 23	1 57	31 52	12 5	23 35	23 31	18 2		n.a.
S 15	23 9	21 24	1s 4	22 51	0s 8	22 39	1 47	24 44	1 2	20 54	1 2	15 12	1 55	14 51	0 47	1 23	1 57	31 52	12 6	23 35	23 32	18 0		n.a.
S 16	23 14	18 18	2 7	22 33	0 20	22 23	1 45	24 45	1 2	20 52	1 2	15 11	1 54	14 51	0 47	1 24	1 57	31 53	12 6	23 35	23 32	17 58		n.a.
M17	23 19	14 28	3 3	22 15	0 32	22 6	1 44	24 46	1 2	20 49	1 2	15 11	1 54	14 51	0 47	1 24	1 57	31 53	12 6	23 34	23 32	17 56		n.a.
T 18	23 24	10 5	3 52	21 57	0 44	21 50	1 42	24 47	1 2	20 47	1 2	15 10	1 54	14 52	0 47	1 24	1 57	31 54	12 6	23 34	23 32	17 53		n.a.
W19	23 28	5 18	4 32	21 39	0 56	21 32	1 40	24 47	1 3	20 44	1 2	15 9	1 54	14 52	0 47	1 25	1 57	31 54	12 7	23 34	23 32	17 51		n.a.
T 20	23 31	0 15	5 0	21 21	1 9	21 14	1 38	24 48	1 3	20 41	1 2	15 8	1 54	14 52	0 47	1 25	1 57	31 54	12 7	23 34	23 32	17 49		n.a.
F 21	23 34	4s54	5 15	21 3	1 22	20 56	1 36	24 48	1 3	20 38	1 2	15 8	1 53	14 53	0 47	1 25	1 57	31 55	12 7	23 34	23 33	17 46		n.a.
S 22	23 37	9 59	5 15	20 45	1 35	20 37	1 33	24 48	1 3	20 36	1 2	15 7	1 53	14 53	0 47	1 25	1 57	31 55	12 7	23 34	23 33	17 44		n.a.
S 23	23 39	14 48	4 59	20 27	1 49	20 17	1 31	24 47	1 3	20 33	1 2	15 6	1 53	14 53	0 47	1 26	1 57	31 56	12 7	23 34	23 33	17 42		n.a.
M24	23 41	19 3	4 27	20 10	2 2	19 57	1 29	24 47	1 4	20 30	1 2	15 6	1 53	14 54	0 47	1 26	1 57	31 56	12 8	23 34	23 33	17 40		n.a.
T 25	23 43	22 22	3 38	19 54	2 16	19 36	1 26	24 46	1 4	20 27	1 2	15 5	1 53	14 54	0 47	1 26	1 57	31 57	12 8	23 35	23 33	17 37		n.a.
W26	23 44	24 25	2 34	19 38	2 29	19 15	1 23	24 46	1 4	20 25	1 2	15 4	1 53	14 54	0 47	1 26	1 57	31 57	12 8	23 35	23 34	17 35		n.a.
T 27	23 45	24 50	1 18	19 23	2 43	18 54	1 21	24 45	1 4	20 22	1 2	15 4	1 52	14 55	0 47	1 27	1 57	31 58	12 8	23 35	23 34	17 33		n.a.
F 28	23 45	23 29	0n 4	19 9	2 56	18 32	1 18	24 43	1 4	20 19	1 2	15 3	1 52	14 55	0 47	1 27	1 57	31 58	12 9	23 35	23 34	17 30		n.a.
S 29	23 45	20 27	1 26	18 56	3 9	18 10	1 15	24 42	1 5	20 16	1 2	15 3	1 52	14 56	0 47	1 27	1 58	31 59	12 9	23 35	23 34	17 28		n.a.
S 30	23n44	16s 4	2n42	18n44	3s22	17n47	1n12	24n40	1n 5	20n13	1n 2	15s 2	1n52	14s56	0s47	1n27	1s58	31s59	12s 9	23s35	23s34	17n26		n.a.

Julian Day Number = 1564882.5, Delta T = 04h21m39s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'28, Lahiri = - 9°52'28 Julian Calendar 1 June 429 BCE == Greg. Calendar 27 May 429 BCE

The year -428 astronomical counting style corresponds to year 429 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

JULY 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 15 21	2♋46'25	22♒ 6	21°R 5	15♌47	6♋58	5♌21	15°R54	22°R29	8♈ 6	1°R 6	6♏41	6♏45	3♌25	n.a.	M 1
T 2	18 19 18	3°43'48	6♓38	20♋51	16°54	7°36	5°33	15♏52	22♒27	8° 7	1♒ 5	6°42	6°42	3°32	n.a.	T 2
W 3	18 23 14	4°41'13	20°50	20°32	18° 1	8°14	5°45	15°49	22°26	8° 7	1° 4	6°42	6°39	3°38	n.a.	W 3
T 4	18 27 11	5°38'40	4♈41	20° 8	19° 7	8°53	5°57	15°47	22°25	8° 8	1° 3	6°R42	6°36	3°45	n.a.	T 4
F 5	18 31 7	6°36'07	18°10	19°39	20°14	9°31	6° 9	15°45	22°23	8° 8	1° 2	6°D42	6°33	3°52	n.a.	F 5
S 6	18 35 4	7°33'37	1♉18	19° 5	21°20	10° 9	6°22	15°44	22°22	8° 9	1° 0	6°42	6°29	3°58	n.a.	S 6
S 7	18 39 0	8°31'08	14° 9	18°27	22°26	10°47	6°34	15°42	22°20	8° 9	0°59	6°42	6°26	4° 5	n.a.	S 7
M 8	18 42 57	9°28'40	26°43	17°46	23°32	11°25	6°46	15°40	22°19	8° 9	0°58	6°42	6°23	4°12	n.a.	M 8
T 9	18 46 54	10°26'14	9♊ 4	17° 1	24°38	12° 4	6°58	15°38	22°17	8°10	0°57	6°43	6°20	4°18	n.a.	T 9
W10	18 50 50	11°23'49	21°14	16°14	25°43	12°42	7°10	15°37	22°16	8°10	0°56	6°43	6°17	4°25	n.a.	W10
T 11	18 54 47	12°21'26	3♋16	15°25	26°49	13°20	7°23	15°35	22°14	8°10	0°55	6°R43	6°14	4°32	n.a.	T 11
F 12	18 58 43	13°19'04	15°10	14°35	27°54	13°58	7°35	15°34	22°12	8°10	0°53	6°43	6°10	4°38	n.a.	F 12
S 13	19 2 40	14°16'44	27° 1	13°46	28°59	14°36	7°48	15°33	22°11	8°10	0°52	6°43	6° 7	4°45	n.a.	S 13
S 14	19 6 36	15°14'25	8♌49	12°58	0♍ 4	15°15	8° 0	15°31	22° 9	8°10	0°51	6°42	6° 4	4°52	n.a.	S 14
M15	19 10 33	16°12'07	20°37	12°11	1° 9	15°53	8°13	15°30	22° 7	8°11	0°50	6°41	6° 1	4°58	n.a.	M15
T 16	19 14 30	17° 9'50	2♍28	11°28	2°14	16°31	8°25	15°29	22° 5	8°11	0°48	6°39	5°58	5° 5	n.a.	T 16
W17	19 18 26	18° 7'35	14°26	10°49	3°18	17° 9	8°38	15°28	22° 3	8°R11	0°47	6°38	5°54	5°12	n.a.	W17
T 18	19 22 23	19° 5'21	26°32	10°14	4°22	17°48	8°50	15°28	22° 1	8°11	0°46	6°36	5°51	5°18	n.a.	T 18
F 19	19 26 19	20° 3'08	8♎53	9°45	5°26	18°26	9° 3	15°27	22° 0	8°11	0°45	6°36	5°48	5°25	n.a.	F 19
S 20	19 30 16	21° 0'57	21°30	9°22	6°29	19° 4	9°16	15°26	21°58	8°11	0°43	6°D35	5°45	5°32	n.a.	S 20
S 21	19 34 12	21°58'47	4♏29	9° 6	7°33	19°42	9°28	15°26	21°56	8°10	0°42	6°36	5°42	5°38	n.a.	S 21
M22	19 38 9	22°56'38	17°52	8°58	8°36	20°20	9°41	15°25	21°54	8°10	0°41	6°36	5°39	5°45	n.a.	M22
T 23	19 42 5	23°54'31	1♐41	8°D56	9°39	20°59	9°54	15°25	21°52	8°10	0°40	6°38	5°35	5°52	n.a.	T 23
W24	19 46 2	24°52'25	15°57	9° 3	10°41	21°37	10° 6	15°25	21°50	8°10	0°38	6°39	5°32	5°58	n.a.	W24
T 25	19 49 59	25°50'20	0♑37	9°18	11°44	22°15	10°19	15°25	21°47	8°10	0°37	6°R40	5°29	6° 5	n.a.	T 25
F 26	19 53 55	26°48'18	15°37	9°40	12°46	22°53	10°32	15°D25	21°45	8° 9	0°36	6°39	5°26	6°12	n.a.	F 26
S 27	19 57 52	27°46'16	0♒48	10°11	13°48	23°32	10°45	15°25	21°43	8° 9	0°34	6°38	5°23	6°18	n.a.	S 27
S 28	20 1 48	28°44'17	16° 2	10°50	14°49	24°10	10°58	15°25	21°41	8° 9	0°33	6°36	5°20	6°25	n.a.	S 28
M29	20 5 45	29°42'19	1♓ 8	11°36	15°50	24°48	11°11	15°25	21°39	8° 8	0°32	6°33	5°16	6°32	n.a.	M29
T 30	20 9 41	0♌40'23	15°57	12°30	16°51	25°26	11°24	15°25	21°37	8° 8	0°31	6°30	5°13	6°38	n.a.	T 30
W31	20 13 38	1♌38'30	0♈23	13♋31	17♍52	26♋ 5	11♌36	15♏26	21♒35	8♈ 8	0♒29	6♏27	5♏10	6♌45	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	23n43	10s45	3n47	18n33	3s34	17n24	1n 9	24n39	1n 5	20n10	1n 2	15s 2	1n52	14s56	0s47	1n27	1s58	31s59	12s 9	23s35	23s34	17n23			n.a.
T 2	23 42	4 56	4 35	18 23	3 46	17 0	1 5	24 37	1 5	20 7	1 1	15 1	1 51	14 57	0 47	1 28	1 58	32 0	12 9	23 35	23 35	17 21			n.a.
W 3	23 40	1n 0	5 6	18 15	3 57	16 37	1 2	24 35	1 5	20 4	1 1	15 1	1 51	14 57	0 47	1 28	1 58	32 0	12 10	23 35	23 35	17 19			n.a.
T 4	23 38	6 44	5 17	18 9	4 7	16 12	0 58	24 32	1 6	20 1	1 1	15 1	1 51	14 58	0 47	1 28	1 58	32 1	12 10	23 35	23 35	17 17			n.a.
F 5	23 35	12 0	5 11	18 4	4 16	15 48	0 55	24 30	1 6	19 58	1 1	15 0	1 51	14 58	0 47	1 28	1 58	32 1	12 10	23 35	23 35	17 14			n.a.
S 6	23 32	16 35	4 49	18 1	4 24	15 23	0 51	24 27	1 6	19 55	1 1	15 0	1 50	14 59	0 47	1 28	1 58	32 2	12 10	23 35	23 35	17 12			n.a.
S 7	23 28	20 18	4 12	18 0	4 30	14 57	0 47	24 24	1 6	19 52	1 1	15 0	1 50	14 59	0 47	1 28	1 58	32 2	12 10	23 35	23 35	17 10			n.a.
M 8	23 24	22 59	3 24	18 0	4 35	14 32	0 43	24 21	1 6	19 49	1 1	14 59	1 50	15 0	0 47	1 28	1 58	32 3	12 10	23 34	23 35	17 7			n.a.
T 9	23 20	24 31	2 28	18 2	4 39	14 6	0 39	24 18	1 6	19 45	1 1	14 59	1 50	15 0	0 47	1 28	1 58	32 3	12 11	23 34	23 36	17 5			n.a.
W10	23 15	24 52	1 25	18 6	4 41	13 40	0 35	24 14	1 7	19 42	1 1	14 59	1 50	15 1	0 48	1 28	1 58	32 3	12 11	23 34	23 36	17 3			n.a.
T 11	23 10	24 2	0 19	18 12	4 41	13 13	0 31	24 11	1 7	19 39	1 1	14 59	1 49	15 2	0 48	1 28	1 58	32 4	12 11	23 34	23 36	17 0			n.a.
F 12	23 4	22 6	0s47	18 19	4 39	12 46	0 27	24 7	1 7	19 36	1 1	14 58	1 49	15 2	0 48	1 28	1 58	32 4	12 11	23 34	23 36	16 58			n.a.
S 13	22 58	19 13	1 50	18 28	4 35	12 19	0 22	24 3	1 7	19 33	1 1	14 58	1 49	15 3	0 48	1 28	1 59	32 5	12 11	23 34	23 36	16 55			n.a.
S 14	22 52	15 34	2 49	18 38	4 30	11 52	0 18	23 59	1 7	19 29	1 1	14 58	1 49	15 3	0 48	1 28	1 59	32 5	12 11	23 35	23 36	16 53			n.a.
M15	22 45	11 20	3 40	18 50	4 22	11 25	0 13	23 54	1 7	19 26	1 1	14 58	1 48	15 4	0 48	1 28	1 59	32 6	12 11	23 35	23 37	16 51			n.a.
T 16	22 38	6 39	4 22	19 3	4 13	10 57	0 9	23 50	1 8	19 23	1 1	14 58	1 48	15 5	0 48	1 28	1 59	32 6	12 12	23 35	23 37	16 48			n.a.
W17	22 30	1 42	4 53	19 16	4 2	10 29	0 4	23 45	1 8	19 19	1 1	14 58	1 48	15 5	0 48	1 28	1 59	32 6	12 12	23 35	23 37	16 46			n.a.
T 18	22 22	3s22	5 12	19 31	3 50	10 1	0s 1	23 40	1 8	19 16	1 1	14 58	1 48	15 6	0 48	1 28	1 59	32 7	12 12	23 35	23 37	16 44			n.a.
F 19	22 14	8 24	5 16	19 47	3 37	9 33	0 6	23 35	1 8	19 13	1 1	14 58	1 48	15 7	0 48	1 28	1 59	32 7	12 12	23 35	23 37	16 41			n.a.
S 20	22 5	13 12	5 6	20 3	3 22	9 4	0 11	23 30	1 8	19 9	1 1	14 58	1 47	15 7	0 48	1 28	1 59	32 8	12 12	23 35	23 37	16 39			n.a.
S 21	21 56	17 34	4 40	20 19	3 7	8 36	0 16	23 24	1 8	19 6	1 1	14 58	1 47	15 8	0 48	1 28	1 59	32 8	12 12	23 35	23 37	16 37			n.a.
M22	21 46	21 11	3 58	20 36	2 50	8 7	0 22	23 19	1 8	19 2	1 1	14 58	1 47	15 9	0 48	1 28	1 59	32 8	12 12	23 35	23 38	16 34			n.a.
T 23	21 36	23 43	3 2	20 53	2 34	7 38	0 27	23 13	1 8	18 59	1 1	14 58	1 47	15 9	0 48	1 28	1 59	32 9	12 12	23 35	23 38	16 32			n.a.
W24	21 26	24 51	1 52	21 10	2 17	7 9	0 32	23 7	1 9	18 55	1 1	14 58	1 46	15 10	0 48	1 27	1 59	32 9	12 12	23 35	23 38	16 29			n.a.
T 25	21 15	24 18	0 33	21 26	1 59	6 40	0 38	23 1	1 9	18 52	1 1	14 58	1 46	15 11	0 48	1 27	1 59	32 9	12 12	23 35	23 38	16 27			n.a.
F 26	21 4	22 0	0n49	21 42	1 42	6 11	0 44	22 54	1 9	18 48	1 1	14 59	1 46	15 11	0 48	1 27	1 59	32 10	12 12	23 35	23 38	16 25			n.a.
S 27	20 52	18 8	2 9	21 57	1 24	5 42	0 49	22 48	1 9	18 45	1 1	14 59	1 46	15 12	0 48	1 27	1 59	32 10	12 13	23 35	23 38	16 22			n.a.
S 28	20 41	13 3	3 20	22 11	1 7	5 13	0 55	22 41	1 9	18 41	1 1	14 59	1 46	15 13	0 48	1 27	2 0	32 11	12 13	23 35	23 38	16 20			n.a.
M29	20 28	7 13	4 17	22 23	0 51	4 43	1 1	22 35	1 9	18 38	1 2	14 59	1 45	15 14	0 48	1 26	2 0	32 11	12 13	23 35	23 38	16 18			n.a.
T 30	20 16	1 6	4 55	22 35	0 35	4 14	1 7	22 28	1 9	18 34	1 2	15 0	1 45	15 14	0 48	1 26	2 0	32 11	12 13	23 35	23 39	16 15			n.a.
W31	20n 3	4n55	5n13	22n44	0s19	3n44	1s13	22n20	1n 9	18n31	1n 2	15s 0	1n45	15s15	0s48	1n26	2s 0	32s12	12s13	23s35	23s39	16n13			n.a.

Julian Day Number = 1564912.5, Delta T = 04h21m38s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'24, Lahiri = - 9°52'24 Julian Calendar 1 July 429 BCE == Greg. Calendar 26 June 429 BCE

The year -428 astronomical counting style corresponds to year 429 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

AUGUST 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 17 34	2♌36'38	14♈22	14♋38	18♍52	26♋43	11♌49	15♏26	21°R32	8°R 7	0°R28	6°R25	5♑ 7	6♌52	n.a.	T 1
F 2	20 21 31	3°34'48	27°55	15°52	19°52	27°21	12° 2	15°27	21♒30	8♈ 7	0♒27	6°D24	5° 4	6°58	n.a.	F 2
S 3	20 25 27	4°33'01	11♉ 1	17°12	20°52	27°59	12°15	15°28	21°28	8° 6	0°25	6♑24	5° 0	7° 5	n.a.	S 3
S 4	20 29 24	5°31'16	23°45	18°38	21°51	28°38	12°28	15°28	21°25	8° 6	0°24	6°25	4°57	7°12	n.a.	S 4
M 5	20 33 21	6°29'33	6♊10	20° 8	22°50	29°16	12°41	15°29	21°23	8° 5	0°23	6°27	4°54	7°18	n.a.	M 5
T 6	20 37 17	7°27'52	18°20	21°43	23°48	29°54	12°54	15°30	21°21	8° 4	0°22	6°28	4°51	7°25	n.a.	T 6
W 7	20 41 14	8°26'14	0♋20	23°22	24°46	0♌33	13° 7	15°31	21°19	8° 4	0°20	6°29	4°48	7°32	n.a.	W 7
T 8	20 45 10	9°24'37	12°13	25° 3	25°44	1°11	13°20	15°33	21°16	8° 3	0°19	6°R29	4°45	7°38	n.a.	T 8
F 9	20 49 7	10°23'03	24° 2	26°48	26°41	1°49	13°33	15°34	21°14	8° 2	0°18	6°28	4°41	7°45	n.a.	F 9
S 10	20 53 3	11°21'30	5♌50	28°35	27°38	2°28	13°46	15°35	21°12	8° 2	0°17	6°25	4°38	7°52	n.a.	S 10
S 11	20 57 0	12°20'00	17°39	0♌24	28°34	3° 6	13°59	15°37	21° 9	8° 1	0°15	6°20	4°35	7°58	n.a.	S 11
M12	21 0 56	13°18'31	29°31	2°15	29°30	3°45	14°12	15°38	21° 7	8° 0	0°14	6°14	4°32	8° 5	n.a.	M12
T 13	21 4 53	14°17'04	11♍28	4° 6	0♎25	4°23	14°25	15°40	21° 4	7°59	0°13	6° 7	4°29	8°12	n.a.	T 13
W14	21 8 50	15°15'40	23°31	5°59	1°20	5° 1	14°39	15°42	21° 2	7°58	0°12	5°59	4°25	8°18	n.a.	W14
T 15	21 12 46	16°14'17	5♎43	7°51	2°15	5°40	14°52	15°44	21° 0	7°57	0°10	5°53	4°22	8°25	n.a.	T 15
F 16	21 16 43	17°12'56	18° 7	9°44	3° 8	6°18	15° 5	15°46	20°57	7°56	0° 9	5°48	4°19	8°32	n.a.	F 16
S 17	21 20 39	18°11'37	0♏44	11°37	4° 2	6°56	15°18	15°48	20°55	7°56	0° 8	5°44	4°16	8°38	n.a.	S 17
S 18	21 24 36	19°10'19	13°39	13°30	4°54	7°35	15°31	15°50	20°52	7°55	0° 7	5°D43	4°13	8°45	n.a.	S 18
M19	21 28 32	20° 9'04	26°55	15°22	5°46	8°13	15°44	15°52	20°50	7°54	0° 5	5°43	4°10	8°52	n.a.	M19
T 20	21 32 29	21° 7'50	10♐33	17°14	6°38	8°52	15°57	15°54	20°48	7°53	0° 4	5°44	4° 6	8°58	n.a.	T 20
W21	21 36 25	22° 6'38	24°37	19° 5	7°28	9°30	16°10	15°57	20°45	7°51	0° 3	5°45	4° 3	9° 5	n.a.	W21
T 22	21 40 22	23° 5'28	9♑ 5	20°56	8°18	10° 9	16°23	15°59	20°43	7°50	0° 2	5°R45	4° 0	9°12	n.a.	T 22
F 23	21 44 19	24° 4'20	23°55	22°46	9° 8	10°47	16°36	16° 2	20°40	7°49	0° 1	5°44	3°57	9°18	n.a.	F 23
S 24	21 48 15	25° 3'14	9♒ 1	24°35	9°56	11°26	16°49	16° 5	20°38	7°48	29♑59	5°41	3°54	9°25	n.a.	S 24
S 25	21 52 12	26° 2'10	24°15	26°23	10°44	12° 4	17° 2	16° 7	20°36	7°47	29°58	5°35	3°51	9°32	n.a.	S 25
M26	21 56 8	27° 1'08	9♓26	28°10	11°31	12°43	17°15	16°10	20°33	7°46	29°57	5°28	3°47	9°38	n.a.	M26
T 27	22 0 5	28° 0'08	24°25	29°57	12°17	13°21	17°28	16°13	20°31	7°45	29°56	5°20	3°44	9°45	n.a.	T 27
W28	22 4 1	28°59'10	9♈ 1	1♍43	13° 2	14° 0	17°40	16°16	20°28	7°43	29°55	5°12	3°41	9°52	n.a.	W28
T 29	22 7 58	29°58'15	23°10	3°27	13°47	14°38	17°53	16°19	20°26	7°42	29°54	5° 5	3°38	9°58	n.a.	T 29
F 30	22 11 54	0♍57'22	6♉50	5°11	14°30	15°17	18° 6	16°23	20°24	7°41	29°53	5° 0	3°35	10° 5	n.a.	F 30
S 31	22 15 51	1♍56'31	20♉ 1	6♍54	15♎12	15♌55	18♌19	16♏26	20♒21	7♈40	29♑52	4♑57	3♑31	10♌12	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n50	10n30	5n11	22n52	0s 4	3n15	1s19	22n13	1n10	18n27	1n 2	15s 0	1n45	15s16	0s48	1n26	2s 0	32s12	12s13	23s35	23s39	16n10		n.a.
F 2	19 36	15 24	4 53	22 57	0n10	2 46	1 25	22 6	1 10	18 23	1 2	15 1	1 44	15 16	0 48	1 26	2 0	32 12	12 13	23 35	23 39	16 8		n.a.
S 3	19 22	19 25	4 19	23 0	0 23	2 16	1 31	21 58	1 10	18 20	1 2	15 1	1 44	15 17	0 48	1 25	2 0	32 13	12 13	23 35	23 39	16 5		n.a.
S 4	19 8	22 23	3 33	23 1	0 35	1 47	1 38	21 50	1 10	18 16	1 2	15 2	1 44	15 18	0 48	1 25	2 0	32 13	12 13	23 35	23 39	16 3		n.a.
M 5	18 53	24 13	2 39	22 59	0 47	1 18	1 44	21 42	1 10	18 12	1 2	15 2	1 44	15 19	0 48	1 25	2 0	32 13	12 13	23 35	23 39	16 1		n.a.
T 6	18 38	24 51	1 38	22 55	0 57	0 48	1 50	21 34	1 10	18 9	1 2	15 3	1 43	15 20	0 48	1 24	2 0	32 14	12 13	23 35	23 39	15 58		n.a.
W 7	18 23	24 19	0 34	22 47	1 7	0 19	1 57	21 26	1 10	18 5	1 2	15 3	1 43	15 20	0 48	1 24	2 0	32 14	12 13	23 35	23 40	15 56		n.a.
T 8	18 8	22 39	0s31	22 37	1 15	0s10	2 3	21 18	1 10	18 1	1 2	15 4	1 43	15 21	0 48	1 24	2 0	32 14	12 13	23 35	23 40	15 53		n.a.
F 9	17 52	20 2	1 34	22 25	1 22	0 39	2 10	21 9	1 10	17 57	1 2	15 4	1 43	15 22	0 48	1 23	2 0	32 14	12 13	23 35	23 40	15 51		n.a.
S 10	17 36	16 35	2 33	22 9	1 29	1 8	2 17	21 0	1 10	17 54	1 2	15 5	1 42	15 23	0 48	1 23	2 0	32 15	12 13	23 35	23 40	15 49		n.a.
S 11	17 19	12 29	3 26	21 52	1 34	1 37	2 23	20 51	1 10	17 50	1 2	15 6	1 42	15 23	0 48	1 23	2 0	32 15	12 13	23 36	23 40	15 46		n.a.
M12	17 2	7 54	4 9	21 31	1 39	2 6	2 30	20 42	1 10	17 46	1 2	15 6	1 42	15 24	0 48	1 22	2 0	32 15	12 13	23 36	23 40	15 44		n.a.
T 13	16 45	3 1	4 42	21 8	1 43	2 34	2 37	20 33	1 11	17 42	1 2	15 7	1 42	15 25	0 48	1 22	2 1	32 16	12 13	23 36	23 40	15 41		n.a.
W14	16 28	2s 1	5 2	20 43	1 46	3 2	2 44	20 24	1 11	17 38	1 2	15 8	1 42	15 26	0 48	1 22	2 1	32 16	12 13	23 37	23 40	15 39		n.a.
T 15	16 10	7 2	5 10	20 16	1 48	3 31	2 51	20 14	1 11	17 35	1 2	15 9	1 41	15 27	0 48	1 21	2 1	32 16	12 13	23 37	23 40	15 36		n.a.
F 16	15 52	11 50	5 3	19 47	1 49	3 59	2 58	20 5	1 11	17 31	1 2	15 9	1 41	15 27	0 48	1 21	2 1	32 16	12 13	23 37	23 41	15 34		n.a.
S 17	15 34	16 15	4 41	19 16	1 50	4 27	3 5	19 55	1 11	17 27	1 2	15 10	1 41	15 28	0 48	1 20	2 1	32 17	12 13	23 37	23 41	15 32		n.a.
S 18	15 16	20 1	4 5	18 44	1 49	4 54	3 12	19 45	1 11	17 23	1 2	15 11	1 41	15 29	0 48	1 20	2 1	32 17	12 13	23 37	23 41	15 29		n.a.
M19	14 57	22 52	3 15	18 10	1 49	5 22	3 19	19 35	1 11	17 19	1 2	15 12	1 40	15 30	0 48	1 19	2 1	32 17	12 12	23 37	23 41	15 27		n.a.
T 20	14 38	24 30	2 12	17 34	1 47	5 49	3 26	19 25	1 11	17 15	1 3	15 13	1 40	15 30	0 48	1 19	2 1	32 17	12 12	23 37	23 41	15 24		n.a.
W21	14 19	24 38	1 0	16 58	1 46	6 16	3 33	19 15	1 11	17 11	1 3	15 14	1 40	15 31	0 48	1 18	2 1	32 17	12 12	23 37	23 41	15 22		n.a.
T 22	14 0	23 8	0n18	16 20	1 43	6 42	3 40	19 4	1 11	17 8	1 3	15 15	1 40	15 32	0 48	1 18	2 1	32 18	12 12	23 37	23 41	15 19		n.a.
F 23	13 40	20 1	1 36	15 41	1 40	7 9	3 48	18 54	1 11	17 4	1 3	15 16	1 40	15 33	0 48	1 18	2 1	32 18	12 12	23 37	23 41	15 17		n.a.
S 24	13 20	15 31	2 49	15 1	1 37	7 34	3 55	18 43	1 11	17 0	1 3	15 17	1 39	15 34	0 48	1 17	2 1	32 18	12 12	23 37	23 41	15 14		n.a.
S 25	13 0	9 59	3 51	14 21	1 34	8 0	4 2	18 32	1 11	16 56	1 3	15 18	1 39	15 34	0 48	1 17	2 1	32 18	12 12	23 38	23 41	15 12		n.a.
M26	12 40	3 53	4 36	13 39	1 29	8 25	4 9	18 21	1 11	16 52	1 3	15 19	1 39	15 35	0 48	1 16	2 1	32 18	12 12	23 38	23 42	15 9		n.a.
T 27	12 19	2n21	5 1	12 58	1 25	8 50	4 16	18 10	1 11	16 48	1 3	15 20	1 39	15 36	0 48	1 15	2 1	32 19	12 12	23 38	23 42	15 7		n.a.
W28	11 59	8 17	5 6	12 15	1 20	9 15	4 24	17 59	1 11	16 44	1 3	15 21	1 38	15 37	0 48	1 15	2 1	32 19	12 12	23 39	23 42	15 5		n.a.
T 29	11 38	13 37	4 51	11 32	1 16	9 39	4 31	17 47	1 11	16 40	1 3	15 22	1 38	15 37	0 48	1 14	2 1	32 19	12 12	23 39	23 42	15 2		n.a.
F 30	11 16	18 4	4 21	10 49	1 10	10 3	4 38	17 36	1 11	16 36	1 3	15 23	1 38	15 38	0 48	1 14	2 1	32 19	12 11	23 39	23 42	15 0		n.a.
S 31	10n55	21n27	3n37	10n 5	1n 5	10s26	4s45	17n24	1n11	16n32	1n 3	15s24	1n38	15s39	0s48	1n13	2s 1	32s19	12s11	23s39	23s42	14n57		n.a.

Julian Day Number = 1564943.5, Delta T = 04h21m37s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'20, Lahiri = - 9°52'20 Julian Calendar 1 Aug. 429 BCE == Greg. Calendar 27 July 429 BCE

The year -428 astronomical counting style corresponds to year 429 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

SEPTEMBER 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 19 47	2♍55'43	2♊45	8♍36	15♎54	16♌34	18♌32	16♏29	20°R19	7°R38	29°R51	4°D57	3♑28	10♌18	n.a.	S 1
M 2	22 23 44	3°54'58	15° 8	10°18	16°34	17°12	18°45	16°33	20♒17	7♈37	29♑50	4♑57	3°25	10°25	n.a.	M 2
T 3	22 27 41	4°54'15	27°15	11°58	17°13	17°51	18°58	16°36	20°14	7°36	29°49	4°58	3°22	10°32	n.a.	T 3
W 4	22 31 37	5°53'34	9♋11	13°38	17°51	18°30	19°10	16°40	20°12	7°34	29°48	4°R58	3°19	10°38	n.a.	W 4
T 5	22 35 34	6°52'56	21° 0	15°17	18°28	19° 8	19°23	16°44	20°10	7°33	29°47	4°57	3°16	10°45	n.a.	T 5
F 6	22 39 30	7°52'20	2♌47	16°55	19° 4	19°47	19°36	16°47	20° 7	7°32	29°46	4°53	3°12	10°52	n.a.	F 6
S 7	22 43 27	8°51'46	14°36	18°32	19°38	20°25	19°49	16°51	20° 5	7°30	29°45	4°46	3° 9	10°58	n.a.	S 7
S 8	22 47 23	9°51'14	26°29	20° 9	20°11	21° 4	20° 1	16°55	20° 3	7°29	29°44	4°37	3° 6	11° 5	n.a.	S 8
M 9	22 51 20	10°50'45	8♍28	21°44	20°43	21°43	20°14	16°59	20° 1	7°27	29°43	4°26	3° 3	11°12	n.a.	M 9
T 10	22 55 16	11°50'18	20°34	23°19	21°13	22°21	20°26	17° 3	19°59	7°26	29°42	4°13	3° 0	11°19	n.a.	T 10
W11	22 59 13	12°49'53	2♎49	24°54	21°42	23° 0	20°39	17° 7	19°56	7°24	29°41	4° 0	2°57	11°25	n.a.	W11
T 12	23 3 10	13°49'30	15°14	26°28	22° 9	23°39	20°51	17°12	19°54	7°23	29°40	3°48	2°53	11°32	n.a.	T 12
F 13	23 7 6	14°49'08	27°48	28° 1	22°35	24°18	21° 4	17°16	19°52	7°21	29°40	3°38	2°50	11°39	n.a.	F 13
S 14	23 11 3	15°48'49	10♏34	29°33	22°58	24°56	21°16	17°20	19°50	7°20	29°39	3°31	2°47	11°45	n.a.	S 14
S 15	23 14 59	16°48'32	23°33	1♎ 5	23°21	25°35	21°29	17°25	19°48	7°18	29°38	3°26	2°44	11°52	n.a.	S 15
M16	23 18 56	17°48'17	6♐48	2°36	23°41	26°14	21°41	17°29	19°46	7°16	29°37	3°24	2°41	11°59	n.a.	M16
T 17	23 22 52	18°48'03	20°20	4° 6	23°59	26°53	21°54	17°34	19°44	7°15	29°36	3°D24	2°37	12° 5	n.a.	T 17
W18	23 26 49	19°47'52	4♑11	5°36	24°16	27°31	22° 6	17°39	19°42	7°13	29°36	3°R24	2°34	12°12	n.a.	W18
T 19	23 30 45	20°47'42	18°23	7° 5	24°30	28°10	22°18	17°44	19°40	7°12	29°35	3°23	2°31	12°19	n.a.	T 19
F 20	23 34 42	21°47'34	2♒54	8°33	24°42	28°49	22°30	17°48	19°38	7°10	29°34	3°21	2°28	12°25	n.a.	F 20
S 21	23 38 39	22°47'27	17°41	10° 1	24°52	29°28	22°42	17°53	19°36	7° 8	29°34	3°15	2°25	12°32	n.a.	S 21
S 22	23 42 35	23°47'23	2♓39	11°28	25° 0	0♍ 7	22°54	17°58	19°34	7° 7	29°33	3° 7	2°22	12°39	n.a.	S 22
M23	23 46 32	24°47'20	17°38	12°54	25° 6	0°45	23° 6	18° 3	19°32	7° 5	29°32	2°57	2°18	12°45	n.a.	M23
T 24	23 50 28	25°47'19	2♈29	14°20	25°10	1°24	23°18	18° 8	19°30	7° 4	29°32	2°45	2°15	12°52	n.a.	T 24
W25	23 54 25	26°47'20	17° 4	15°45	25°R11	2° 3	23°30	18°13	19°29	7° 2	29°31	2°33	2°12	12°59	n.a.	W25
T 26	23 58 21	27°47'24	1♉16	17° 9	25° 9	2°42	23°42	18°19	19°27	7° 0	29°30	2°23	2° 9	13° 5	n.a.	T 26
F 27	0 2 18	28°47'29	14°59	18°32	25° 6	3°21	23°54	18°24	19°25	6°59	29°30	2°15	2° 6	13°12	n.a.	F 27
S 28	0 6 14	29°47'37	28°15	19°55	24°59	4° 0	24° 6	18°29	19°24	6°57	29°29	2°10	2° 2	13°19	n.a.	S 28
S 29	0 10 11	0♎47'47	11♊ 3	21°16	24°51	4°39	24°17	18°35	19°22	6°55	29°29	2° 7	1°59	13°25	n.a.	S 29
M30	0 14 7	1♎48'00	23♊30	22♎37	24♎40	5♍18	24♌29	18♏40	19♒20	6♈54	29♑28	2♑ 6	1♑56	13♌32	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n34	23n39	2n44	9n22	0n59	10s49	4s52	17n12	1n11	16n28	1n 3	15s25	1n38	15s40	0s48	1n13	2s 1	32s19	12s11	23s39	23s42	14n55		n.a.
M 2	10 12	24 38	1 44	8 38	0 53	11 11	4 59	17 1	1 11	16 24	1 4	15 27	1 37	15 40	0 48	1 12	2 2	32 19	12 11	23 39	23 42	14 52		n.a.
T 3	9 50	24 24	0 41	7 53	0 47	11 33	5 6	16 49	1 11	16 20	1 4	15 28	1 37	15 41	0 48	1 12	2 2	32 19	12 11	23 39	23 42	14 50		n.a.
W 4	9 28	23 3	0s23	7 9	0 41	11 54	5 13	16 37	1 11	16 16	1 4	15 29	1 37	15 42	0 48	1 11	2 2	32 20	12 11	23 39	23 42	14 47		n.a.
T 5	9 6	20 41	1 25	6 24	0 35	12 15	5 20	16 24	1 11	16 12	1 4	15 30	1 37	15 43	0 48	1 10	2 2	32 20	12 11	23 39	23 42	14 45		n.a.
F 6	8 43	17 28	2 23	5 40	0 28	12 35	5 27	16 12	1 11	16 8	1 4	15 32	1 37	15 43	0 48	1 10	2 2	32 20	12 11	23 39	23 42	14 42		n.a.
S 7	8 21	13 34	3 15	4 56	0 22	12 55	5 34	16 0	1 11	16 4	1 4	15 33	1 36	15 44	0 48	1 9	2 2	32 20	12 10	23 40	23 43	14 40		n.a.
S 8	7 58	9 7	3 58	4 11	0 15	13 14	5 41	15 47	1 11	16 1	1 4	15 34	1 36	15 45	0 48	1 9	2 2	32 20	12 10	23 40	23 43	14 37		n.a.
M 9	7 36	4 18	4 32	3 27	0 8	13 32	5 47	15 34	1 11	15 57	1 4	15 35	1 36	15 45	0 48	1 8	2 2	32 20	12 10	23 40	23 43	14 35		n.a.
T 10	7 13	0s42	4 53	2 42	0 2	13 50	5 54	15 22	1 11	15 53	1 4	15 37	1 36	15 46	0 48	1 7	2 2	32 20	12 10	23 41	23 43	14 32		n.a.
W11	6 50	5 44	5 2	1 58	0s 5	14 7	6 0	15 9	1 11	15 49	1 4	15 38	1 36	15 47	0 48	1 7	2 2	32 20	12 10	23 41	23 43	14 30		n.a.
T 12	6 26	10 36	4 56	1 14	0 12	14 23	6 6	14 56	1 11	15 45	1 5	15 40	1 35	15 47	0 48	1 6	2 2	32 20	12 10	23 42	23 43	14 27		n.a.
F 13	6 3	15 6	4 36	0 31	0 19	14 38	6 12	14 43	1 11	15 41	1 5	15 41	1 35	15 48	0 48	1 5	2 2	32 20	12 9	23 42	23 43	14 25		n.a.
S 14	5 40	19 0	4 2	0s13	0 26	14 53	6 18	14 30	1 11	15 37	1 5	15 42	1 35	15 49	0 48	1 5	2 2	32 20	12 9	23 42	23 43	14 22		n.a.
S 15	5 16	22 2	3 14	0 56	0 33	15 6	6 24	14 16	1 11	15 33	1 5	15 44	1 35	15 49	0 48	1 4	2 2	32 20	12 9	23 42	23 43	14 20		n.a.
M16	4 53	23 57	2 16	1 39	0 40	15 19	6 29	14 3	1 11	15 29	1 5	15 45	1 35	15 50	0 48	1 4	2 2	32 20	12 9	23 42	23 43	14 17		n.a.
T 17	4 29	24 32	1 9	2 22	0 47	15 31	6 35	13 50	1 11	15 25	1 5	15 47	1 34	15 51	0 48	1 3	2 2	32 20	12 9	23 42	23 43	14 15		n.a.
W18	4 5	23 37	0n 4	3 4	0 53	15 42	6 40	13 36	1 11	15 21	1 5	15 48	1 34	15 51	0 48	1 2	2 2	32 20	12 8	23 42	23 43	14 12		n.a.
T 19	3 42	21 10	1 18	3 46	1 0	15 51	6 44	13 23	1 11	15 17	1 5	15 50	1 34	15 52	0 48	1 2	2 2	32 20	12 8	23 42	23 43	14 10		n.a.
F 20	3 18	17 21	2 29	4 28	1 7	16 0	6 49	13 9	1 11	15 13	1 6	15 51	1 34	15 53	0 48	1 1	2 2	32 20	12 8	23 42	23 43	14 7		n.a.
S 21	2 54	12 23	3 31	5 9	1 14	16 8	6 53	12 55	1 11	15 9	1 6	15 53	1 34	15 53	0 48	1 0	2 2	32 20	12 8	23 42	23 44	14 5		n.a.
S 22	2 30	6 38	4 20	5 49	1 20	16 14	6 57	12 41	1 11	15 6	1 6	15 55	1 34	15 54	0 48	1 0	2 2	32 20	12 8	23 43	23 44	14 2		n.a.
M23	2 6	0 30	4 50	6 29	1 27	16 20	7 0	12 27	1 11	15 2	1 6	15 56	1 33	15 54	0 48	0 59	2 2	32 20	12 7	23 43	23 44	14 0		n.a.
T 24	1 42	5n35	5 0	7 9	1 33	16 24	7 3	12 13	1 11	14 58	1 6	15 58	1 33	15 55	0 48	0 58	2 2	32 20	12 7	23 43	23 44	13 57		n.a.
W25	1 18	11 15	4 51	7 48	1 39	16 26	7 6	11 59	1 11	14 54	1 6	15 59	1 33	15 55	0 48	0 58	2 2	32 20	12 7	23 43	23 44	13 55		n.a.
T 26	0 53	16 10	4 24	8 26	1 46	16 28	7 8	11 45	1 11	14 50	1 6	16 1	1 33	15 56	0 48	0 57	2 2	32 20	12 7	23 44	23 44	13 52		n.a.
F 27	0 29	20 4	3 42	9 4	1 51	16 28	7 9	11 30	1 11	14 46	1 7	16 3	1 33	15 56	0 48	0 56	2 2	32 20	12 7	23 44	23 44	13 49		n.a.
S 28	0 5	22 46	2 49	9 41	1 57	16 27	7 10	11 16	1 11	14 42	1 7	16 4	1 33	15 57	0 48	0 56	2 2	32 19	12 6	23 44	23 44	13 47		n.a.
S 29	0s19	24 11	1 49	10 18	2 3	16 24	7 11	11 2	1 11	14 39	1 7	16 6	1 32	15 57	0 48	0 55	2 2	32 19	12 6	23 44	23 44	13 44		n.a.
M30	0s43	24n20	0n45	10s53	2s 8	16s20	7s11	10n47	1n11	14n35	1n 7	16s 7	1n32	15s58	0s48	0n54	2s 2	32s19	12s 6	23s44	23s44	13n42		n.a.

Julian Day Number = 1564974.5, Delta T = 04h21m36s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'16, Lahiri = - 9°52'15 Julian Calendar 1 Sept. 429 BCE == Greg. Calendar 27 Aug. 429 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

OCTOBER 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 18 4	2♎48'14	5♋38	23♎56	24°R27	5♍57	24♌41	18♏46	19°R19	6°R52	29°R28	2°R 6	1♉53	13♌39	n.a.	T 1
W 2	0 22 1	3°48'30	17°34	25°14	24♎11	6°36	24°52	18°51	19♒17	6♈50	29♉27	2♉ 5	1°50	13°45	n.a.	W 2
T 3	0 25 57	4°48'49	29°23	26°31	23°53	7°15	25° 4	18°57	19°16	6°48	29°27	2° 4	1°47	13°52	n.a.	T 3
F 4	0 29 54	5°49'10	11♌11	27°46	23°32	7°54	25°15	19° 3	19°14	6°47	29°27	1°59	1°43	13°59	n.a.	F 4
S 5	0 33 50	6°49'33	23° 2	29° 0	23°10	8°33	25°26	19° 8	19°13	6°45	29°26	1°52	1°40	14° 5	n.a.	S 5
S 6	0 37 47	7°49'57	5♍ 0	0♏12	22°45	9°12	25°37	19°14	19°12	6°43	29°26	1°42	1°37	14°12	n.a.	S 6
M 7	0 41 43	8°50'24	17° 7	1°22	22°19	9°51	25°49	19°20	19°10	6°42	29°26	1°30	1°34	14°19	n.a.	M 7
T 8	0 45 40	9°50'52	29°25	2°30	21°50	10°30	26° 0	19°26	19° 9	6°40	29°25	1°16	1°31	14°26	n.a.	T 8
W 9	0 49 36	10°51'23	11♎55	3°35	21°20	11° 9	26°11	19°32	19° 8	6°38	29°25	1° 2	1°28	14°32	n.a.	W 9
T 10	0 53 33	11°51'55	24°37	4°37	20°48	11°48	26°22	19°38	19° 6	6°37	29°25	0°49	1°24	14°39	n.a.	T 10
F 11	0 57 30	12°52'28	7♏30	5°37	20°15	12°27	26°32	19°44	19° 5	6°35	29°25	0°37	1°21	14°46	n.a.	F 11
S 12	1 1 26	13°53'04	20°34	6°32	19°41	13° 6	26°43	19°50	19° 4	6°33	29°24	0°29	1°18	14°52	n.a.	S 12
S 13	1 5 23	14°53'40	3♐49	7°24	19° 6	13°46	26°54	19°56	19° 3	6°32	29°24	0°24	1°15	14°59	n.a.	S 13
M14	1 9 19	15°54'19	17°14	8°11	18°30	14°25	27° 4	20° 2	19° 2	6°30	29°24	0°21	1°12	15° 6	n.a.	M14
T 15	1 13 16	16°54'58	0♑51	8°54	17°54	15° 4	27°15	20° 8	19° 1	6°28	29°24	0°D20	1° 8	15°12	n.a.	T 15
W16	1 17 12	17°55'39	14°40	9°30	17°18	15°43	27°25	20°15	19° 0	6°27	29°24	0°R21	1° 5	15°19	n.a.	W16
T 17	1 21 9	18°56'21	28°41	10° 0	16°41	16°22	27°36	20°21	18°59	6°25	29°24	0°20	1° 2	15°26	n.a.	T 17
F 18	1 25 5	19°57'04	12♒55	10°23	16° 5	17° 1	27°46	20°27	18°59	6°23	29°24	0°18	0°59	15°32	n.a.	F 18
S 19	1 29 2	20°57'49	27°20	10°38	15°30	17°41	27°56	20°34	18°58	6°22	29°D24	0°14	0°56	15°39	n.a.	S 19
S 20	1 32 59	21°58'34	11♓52	10°R45	14°55	18°20	28° 6	20°40	18°57	6°20	29°24	0° 7	0°53	15°46	n.a.	S 20
M21	1 36 55	22°59'21	26°25	10°42	14°22	18°59	28°16	20°46	18°56	6°18	29°24	29♐57	0°49	15°52	n.a.	M21
T 22	1 40 52	24° 0'09	10♈54	10°29	13°49	19°38	28°26	20°53	18°56	6°17	29°24	29°47	0°46	15°59	n.a.	T 22
W23	1 44 48	25° 0'58	25°12	10° 5	13°18	20°18	28°35	20°59	18°55	6°15	29°24	29°36	0°43	16° 6	n.a.	W23
T 24	1 48 45	26° 1'48	9♉11	9°31	12°49	20°57	28°45	21° 6	18°55	6°14	29°24	29°26	0°40	16°12	n.a.	T 24
F 25	1 52 41	27° 2'40	22°48	8°46	12°22	21°36	28°55	21°13	18°54	6°12	29°24	29°18	0°37	16°19	n.a.	F 25
S 26	1 56 38	28° 3'34	6♊ 2	7°51	11°56	22°16	29° 4	21°19	18°54	6°10	29°25	29°13	0°34	16°26	n.a.	S 26
S 27	2 0 34	29° 4'29	18°51	6°46	11°33	22°55	29°13	21°26	18°53	6° 9	29°25	29°11	0°30	16°33	n.a.	S 27
M28	2 4 31	0♏ 5'25	1♋20	5°33	11°12	23°34	29°23	21°33	18°53	6° 7	29°25	29°D10	0°27	16°39	n.a.	M28
T 29	2 8 28	1° 6'23	13°31	4°15	10°53	24°14	29°32	21°39	18°53	6° 6	29°25	29°11	0°24	16°46	n.a.	T 29
W30	2 12 24	2° 7'22	25°29	2°53	10°37	24°53	29°41	21°46	18°53	6° 4	29°26	29°12	0°21	16°53	n.a.	W30
T 31	2 16 21	3♏ 8'23	7♌21	1♏30	10♎23	25♍33	29♌49	21♏53	18♒52	6♈ 3	29♉26	29°R12	0♉18	16♌59	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	1s 8	23n19	0s19	11s28	2s13	16s14	7s10	10n32	1n11	14n31	1n 7	16s 9	1n32	15s58	0s48	0n53	2s 2	32s19	12s 6	23s44	23s44	13n39		n.a.	
W 2	1 32	21 14	1 21	12 1	2 18	16 7	7 9	10 18	1 11	14 27	1 7	16 11	1 32	15 59	0 48	0 53	2 2	32 19	12 5	23 44	23 44	13 37		n.a.	
T 3	1 56	18 16	2 19	12 34	2 23	15 58	7 7	10 3	1 10	14 24	1 7	16 13	1 32	15 59	0 48	0 52	2 2	32 19	12 5	23 44	23 44	13 34		n.a.	
F 4	2 20	14 35	3 11	13 6	2 27	15 48	7 4	9 48	1 10	14 20	1 8	16 14	1 32	16 0	0 47	0 51	2 2	32 19	12 5	23 44	23 44	13 32		n.a.	
S 5	2 45	10 19	3 55	13 36	2 31	15 36	7 0	9 33	1 10	14 16	1 8	16 16	1 31	16 0	0 47	0 51	2 2	32 19	12 5	23 44	23 44	13 29		n.a.	
S 6	3 9	5 38	4 29	14 5	2 34	15 22	6 56	9 18	1 10	14 12	1 8	16 18	1 31	16 0	0 47	0 50	2 2	32 18	12 5	23 44	23 44	13 27		n.a.	
M 7	3 33	0 42	4 51	14 33	2 37	15 7	6 51	9 3	1 10	14 9	1 8	16 19	1 31	16 1	0 47	0 49	2 2	32 18	12 4	23 44	23 44	13 24		n.a.	
T 8	3 57	4s20	5 0	14 59	2 40	14 51	6 45	8 48	1 10	14 5	1 8	16 21	1 31	16 1	0 47	0 49	2 2	32 18	12 4	23 44	23 44	13 22		n.a.	
W 9	4 21	9 17	4 55	15 24	2 42	14 33	6 38	8 33	1 10	14 2	1 9	16 23	1 31	16 2	0 47	0 48	2 2	32 18	12 4	23 45	23 44	13 19		n.a.	
T 10	4 45	13 54	4 35	15 47	2 43	14 14	6 31	8 18	1 10	13 58	1 9	16 25	1 31	16 2	0 47	0 47	2 2	32 18	12 4	23 45	23 44	13 16		n.a.	
F 11	5 9	17 59	4 1	16 8	2 44	13 54	6 22	8 3	1 10	13 54	1 9	16 26	1 31	16 2	0 47	0 47	2 2	32 18	12 3	23 45	23 44	13 14		n.a.	
S 12	5 33	21 14	3 14	16 27	2 44	13 32	6 13	7 47	1 10	13 51	1 9	16 28	1 30	16 3	0 47	0 46	2 2	32 17	12 3	23 45	23 44	13 11		n.a.	
S 13	5 56	23 24	2 16	16 44	2 43	13 9	6 3	7 32	1 10	13 47	1 9	16 30	1 30	16 3	0 47	0 45	2 2	32 17	12 3	23 45	23 44	13 9		n.a.	
M14	6 20	24 16	1 9	16 58	2 42	12 46	5 53	7 17	1 9	13 44	1 9	16 32	1 30	16 3	0 47	0 45	2 2	32 17	12 3	23 45	23 45	13 6		n.a.	
T 15	6 44	23 42	0n 3	17 10	2 40	12 21	5 41	7 1	1 9	13 40	1 10	16 34	1 30	16 3	0 47	0 44	2 2	32 17	12 2	23 45	23 45	13 4		n.a.	
W16	7 7	21 41	1 15	17 18	2 36	11 56	5 29	6 46	1 9	13 37	1 10	16 35	1 30	16 4	0 47	0 43	2 2	32 16	12 2	23 45	23 45	13 1		n.a.	
T 17	7 31	18 20	2 24	17 24	2 31	11 30	5 17	6 30	1 9	13 33	1 10	16 37	1 30	16 4	0 47	0 43	2 2	32 16	12 2	23 45	23 45	12 58		n.a.	
F 18	7 54	13 52	3 26	17 25	2 26	11 4	5 4	6 15	1 9	13 30	1 10	16 39	1 30	16 4	0 47	0 42	2 2	32 16	12 2	23 45	23 45	12 56		n.a.	
S 19	8 17	8 34	4 15	17 23	2 18	10 37	4 50	5 59	1 9	13 27	1 10	16 41	1 30	16 4	0 47	0 41	2 2	32 16	12 1	23 45	23 45	12 53		n.a.	
S 20	8 40	2 47	4 48	17 17	2 10	10 11	4 36	5 43	1 9	13 23	1 11	16 43	1 29	16 5	0 47	0 41	2 2	32 15	12 1	23 45	23 45	12 51		n.a.	
M21	9 3	3n10	5 2	17 7	2 0	9 44	4 21	5 28	1 8	13 20	1 11	16 45	1 29	16 5	0 47	0 40	2 2	32 15	12 1	23 45	23 45	12 48		n.a.	
T 22	9 26	8 55	4 57	16 52	1 48	9 18	4 6	5 12	1 8	13 17	1 11	16 46	1 29	16 5	0 47	0 40	2 2	32 15	12 0	23 45	23 45	12 46		n.a.	
W23	9 48	14 6	4 33	16 31	1 35	8 51	3 51	4 56	1 8	13 14	1 11	16 48	1 29	16 5	0 47	0 39	2 2	32 15	12 0	23 45	23 45	12 43		n.a.	
T 24	10 11	18 25	3 54	16 6	1 19	8 26	3 36	4 40	1 8	13 10	1 11	16 50	1 29	16 5	0 47	0 38	2 2	32 14	12 0	23 45	23 45	12 40		n.a.	
F 25	10 33	21 38	3 1	15 36	1 3	8 1	3 20	4 24	1 8	13 7	1 12	16 52	1 29	16 5	0 47	0 38	2 2	32 14	12 0	23 45	23 45	12 38		n.a.	
S 26	10 55	23 34	2 0	15 0	0 45	7 36	3 5	4 9	1 8	13 4	1 12	16 54	1 29	16 5	0 47	0 37	2 2	32 14	11 59	23 45	23 45	12 35		n.a.	
S 27	11 17	24 11	0 55	14 21	0 25	7 13	2 49	3 53	1 8	13 1	1 12	16 56	1 29	16 6	0 47	0 37	2 2	32 13	11 59	23 45	23 45	12 33		n.a.	
M28	11 39	23 33	0s12	13 38	0 5	6 50	2 34	3 37	1 7	12 58	1 12	16 57	1 29	16 6	0 47	0 36	2 2	32 13	11 59	23 45	23 45	12 30		n.a.	
T 29	12 0	21 47	1 16	12 52	0n15	6 29	2 18	3 21	1 7	12 55	1 13	16 59	1 28	16 6	0 47	0 35	2 2	32 13	11 59	23 45	23 45	12 28		n.a.	
W30	12 22	19 5	2 16	12 4	0 36	6 8	2 3	3 5	1 7	12 52	1 13	17 1	1 28	16 6	0 47	0 35	2 2	32 13	11 58	23 45	23 45	12 25		n.a.	
T 31	12s43	15n37	3s10	11s17	0n56	5s49	1s48	2n49	1n 7	12n49	1n13	17s 3	1n28	16s 6	0s47	0n34	2s 2	32s12	11s58	23s45	23s45	12n22		n.a.	

Julian Day Number = 1565004.5, Delta T = 04h21m35s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'12, Lahiri = - 9°52'11 Julian Calendar 1 Oct. 429 BCE == Greg. Calendar 26 Sept. 429 BCE

The year -428 astronomical counting style corresponds to year 429 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

NOVEMBER 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 20 17	4♏ 9'24	19♌10	0°R10	10°R11	26♍12	29♌58	21♏59	18°R52	6°R 1	29♑26	29°R10	0♑14	17♌ 6	n.a.	F 1
S 2	2 24 14	5°10'27	1♍ 3	28♎54	10♎ 2	26°51	0♍ 7	22° 6	18♒52	6♈ 0	29°27	29♐ 7	0°11	17°13	n.a.	S 2
S 3	2 28 10	6°11'32	13° 4	27°46	9°56	27°31	0°15	22°13	18°D52	5°59	29°27	29° 1	0° 8	17°19	n.a.	S 3
M 4	2 32 7	7°12'37	25°16	26°46	9°52	28°10	0°24	22°20	18°52	5°57	29°27	28°53	0° 5	17°26	n.a.	M 4
T 5	2 36 3	8°13'44	7♎43	25°57	9°D51	28°50	0°32	22°27	18°52	5°56	29°28	28°44	0° 2	17°33	n.a.	T 5
W 6	2 40 0	9°14'51	20°26	25°18	9°52	29°29	0°40	22°34	18°52	5°54	29°28	28°34	29♐59	17°39	n.a.	W 6
T 7	2 43 57	10°16'00	3♏25	24°52	9°55	0♎ 9	0°48	22°41	18°53	5°53	29°29	28°25	29°55	17°46	n.a.	T 7
F 8	2 47 53	11°17'09	16°39	24°36	10° 1	0°48	0°56	22°47	18°53	5°52	29°29	28°17	29°52	17°53	n.a.	F 8
S 9	2 51 50	12°18'20	0♐ 8	24°D31	10° 9	1°28	1° 4	22°54	18°53	5°50	29°30	28°12	29°49	17°59	n.a.	S 9
S 10	2 55 46	13°19'31	13°48	24°36	10°19	2° 8	1°11	23° 1	18°53	5°49	29°30	28° 8	29°46	18° 6	n.a.	S 10
M11	2 59 43	14°20'42	27°36	24°51	10°32	2°47	1°19	23° 8	18°54	5°48	29°31	28°D 7	29°43	18°13	n.a.	M11
T 12	3 3 39	15°21'54	11♑32	25°15	10°46	3°27	1°26	23°15	18°54	5°47	29°32	28° 8	29°39	18°20	n.a.	T 12
W13	3 7 36	16°23'07	25°33	25°46	11° 3	4° 6	1°33	23°22	18°55	5°46	29°32	28° 9	29°36	18°26	n.a.	W13
T 14	3 11 32	17°24'19	9♒39	26°24	11°22	4°46	1°40	23°29	18°55	5°44	29°33	28°11	29°33	18°33	n.a.	T 14
F 15	3 15 29	18°25'32	23°47	27° 8	11°43	5°26	1°47	23°36	18°56	5°43	29°34	28°R11	29°30	18°40	n.a.	F 15
S 16	3 19 26	19°26'45	7♓56	27°58	12° 5	6° 5	1°54	23°43	18°57	5°42	29°34	28° 9	29°27	18°46	n.a.	S 16
S 17	3 23 22	20°27'58	22° 5	28°53	12°30	6°45	2° 1	23°50	18°57	5°41	29°35	28° 6	29°24	18°53	n.a.	S 17
M18	3 27 19	21°29'11	6♈11	29°52	12°56	7°24	2° 7	23°57	18°58	5°40	29°36	28° 1	29°20	19° 0	n.a.	M18
T 19	3 31 15	22°30'25	20°10	0♏54	13°24	8° 4	2°14	24° 4	18°59	5°39	29°37	27°55	29°17	19° 6	n.a.	T 19
W20	3 35 12	23°31'38	3♉59	2° 0	13°54	8°44	2°20	24°11	19° 0	5°38	29°37	27°49	29°14	19°13	n.a.	W20
T 21	3 39 8	24°32'52	17°34	3° 9	14°25	9°24	2°26	24°18	19° 1	5°37	29°38	27°44	29°11	19°20	n.a.	T 21
F 22	3 43 5	25°34'07	0♊53	4°20	14°58	10° 3	2°32	24°25	19° 1	5°36	29°39	27°40	29° 8	19°26	n.a.	F 22
S 23	3 47 1	26°35'21	13°54	5°34	15°32	10°43	2°37	24°32	19° 2	5°35	29°40	27°37	29° 5	19°33	n.a.	S 23
S 24	3 50 58	27°36'36	26°37	6°49	16° 8	11°23	2°43	24°39	19° 4	5°34	29°41	27°D37	29° 1	19°40	n.a.	S 24
M25	3 54 55	28°37'51	9♋ 3	8° 7	16°45	12° 2	2°48	24°46	19° 5	5°33	29°42	27°37	28°58	19°47	n.a.	M25
T 26	3 58 51	29°39'06	21°14	9°26	17°23	12°42	2°54	24°53	19° 6	5°32	29°43	27°39	28°55	19°53	n.a.	T 26
W27	4 2 48	0♐40'22	3♌13	10°46	18° 3	13°22	2°59	25° 0	19° 7	5°31	29°44	27°41	28°52	20° 0	n.a.	W27
T 28	4 6 44	1°41'38	15° 6	12° 7	18°44	14° 2	3° 4	25° 7	19° 8	5°31	29°45	27°42	28°49	20° 7	n.a.	T 28
F 29	4 10 41	2°42'54	26°57	13°30	19°26	14°42	3° 8	25°14	19°10	5°30	29°46	27°43	28°45	20°13	n.a.	F 29
S 30	4 14 37	3♐44'10	8♍50	14♏53	20♎ 9	15♎21	3♍13	25♏21	19♒11	5♈29	29♑47	27°R43	28♐42	20♌20	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s 4	11n32	3s55	10s30	1n15	5s31	1s33	2n33	1n 7	12n46	1n13	17s 5	1n28	16s 6	0s47	0n34	2s 2	32s12	11s58	23s45	23s45	12n20		n.a.
S 2	13 25	7 2	4 31	9 47	1 33	5 14	1 19	2 17	1 6	12 43	1 13	17 7	1 28	16 6	0 46	0 33	2 2	32 12	11 58	23 45	23 45	12 17		n.a.
S 3	13 45	2 12	4 55	9 8	1 49	4 58	1 5	2 1	1 6	12 40	1 14	17 9	1 28	16 6	0 46	0 33	2 2	32 11	11 57	23 45	23 45	12 15		n.a.
M 4	14 6	2s46	5 6	8 33	2 2	4 44	0 51	1 45	1 6	12 37	1 14	17 10	1 28	16 6	0 46	0 32	2 2	32 11	11 57	23 45	23 45	12 12		n.a.
T 5	14 26	7 43	5 3	8 4	2 14	4 31	0 37	1 28	1 6	12 35	1 14	17 12	1 28	16 6	0 46	0 32	2 2	32 11	11 57	23 44	23 45	12 9		n.a.
W 6	14 46	12 28	4 45	7 41	2 24	4 19	0 24	1 12	1 6	12 32	1 14	17 14	1 28	16 6	0 46	0 31	2 2	32 10	11 57	23 44	23 45	12 7		n.a.
T 7	15 5	16 45	4 12	7 24	2 31	4 9	0 11	0 56	1 5	12 29	1 15	17 16	1 28	16 5	0 46	0 31	2 2	32 10	11 56	23 44	23 45	12 4		n.a.
F 8	15 25	20 18	3 25	7 13	2 37	3 59	0n 2	0 40	1 5	12 27	1 15	17 18	1 27	16 5	0 46	0 30	2 2	32 9	11 56	23 44	23 45	12 2		n.a.
S 9	15 44	22 48	2 25	7 8	2 41	3 52	0 14	0 24	1 5	12 24	1 15	17 20	1 27	16 5	0 46	0 30	2 1	32 9	11 56	23 44	23 45	11 59		n.a.
S 10	16 2	24 1	1 17	7 8	2 43	3 45	0 25	0 8	1 5	12 22	1 15	17 22	1 27	16 5	0 46	0 29	2 1	32 9	11 56	23 44	23 45	11 56		n.a.
M11	16 21	23 46	0 3	7 13	2 44	3 40	0 37	0s 8	1 4	12 19	1 16	17 23	1 27	16 5	0 46	0 29	2 1	32 8	11 55	23 44	23 45	11 54		n.a.
T 12	16 39	22 2	1n12	7 22	2 43	3 35	0 47	0 24	1 4	12 17	1 16	17 25	1 27	16 5	0 46	0 28	2 1	32 8	11 55	23 44	23 45	11 51		n.a.
W13	16 57	18 57	2 23	7 35	2 41	3 32	0 58	0 41	1 4	12 14	1 16	17 27	1 27	16 5	0 46	0 28	2 1	32 8	11 55	23 44	23 45	11 49		n.a.
T 14	17 15	14 45	3 26	7 51	2 38	3 31	1 8	0 57	1 4	12 12	1 16	17 29	1 27	16 4	0 46	0 27	2 1	32 7	11 55	23 44	23 45	11 46		n.a.
F 15	17 32	9 44	4 17	8 11	2 35	3 30	1 18	1 13	1 3	12 10	1 17	17 31	1 27	16 4	0 46	0 27	2 1	32 7	11 54	23 44	23 45	11 43		n.a.
S 16	17 49	4 12	4 52	8 33	2 30	3 30	1 27	1 29	1 3	12 8	1 17	17 32	1 27	16 4	0 46	0 27	2 1	32 6	11 54	23 44	23 45	11 41		n.a.
S 17	18 6	1n33	5 9	8 57	2 25	3 32	1 36	1 45	1 3	12 6	1 17	17 34	1 27	16 4	0 46	0 26	2 1	32 6	11 54	23 44	23 45	11 38		n.a.
M18	18 22	7 11	5 8	9 23	2 20	3 34	1 44	2 1	1 3	12 3	1 17	17 36	1 27	16 3	0 46	0 26	2 1	32 6	11 54	23 44	23 45	11 35		n.a.
T 19	18 38	12 25	4 48	9 51	2 14	3 38	1 52	2 17	1 2	12 1	1 18	17 38	1 27	16 3	0 46	0 25	2 1	32 5	11 53	23 44	23 45	11 33		n.a.
W20	18 54	16 56	4 11	10 20	2 8	3 42	2 0	2 33	1 2	11 59	1 18	17 40	1 27	16 3	0 46	0 25	2 1	32 5	11 53	23 44	23 45	11 30		n.a.
T 21	19 9	20 30	3 21	10 50	2 1	3 48	2 8	2 49	1 2	11 57	1 18	17 41	1 27	16 2	0 46	0 25	2 1	32 4	11 53	23 44	23 45	11 28		n.a.
F 22	19 24	22 54	2 21	11 21	1 54	3 54	2 15	3 5	1 2	11 56	1 19	17 43	1 27	16 2	0 46	0 24	2 1	32 4	11 53	23 44	23 45	11 25		n.a.
S 23	19 39	24 0	1 14	11 52	1 47	4 1	2 21	3 21	1 1	11 54	1 19	17 45	1 26	16 2	0 46	0 24	2 1	32 4	11 53	23 44	23 45	11 22		n.a.
S 24	19 53	23 48	0 5	12 24	1 40	4 9	2 28	3 37	1 1	11 52	1 19	17 47	1 26	16 1	0 46	0 24	2 1	32 3	11 52	23 44	23 45	11 20		n.a.
M25	20 7	22 24	1s 2	12 56	1 32	4 18	2 34	3 53	1 1	11 50	1 19	17 49	1 26	16 1	0 46	0 23	2 1	32 3	11 52	23 44	23 45	11 17		n.a.
T 26	20 20	19 58	2 6	13 29	1 25	4 28	2 39	4 9	1 0	11 49	1 20	17 50	1 26	16 1	0 46	0 23	2 1	32 2	11 52	23 44	23 45	11 15		n.a.
W27	20 33	16 43	3 3	14 2	1 17	4 38	2 45	4 25	1 0	11 47	1 20	17 52	1 26	16 0	0 46	0 23	2 1	32 2	11 52	23 44	23 45	11 12		n.a.
T 28	20 46	12 49	3 52	14 34	1 9	4 49	2 50	4 41	1 0	11 45	1 20	17 54	1 26	16 0	0 45	0 23	2 1	32 1	11 51	23 44	23 44	11 9		n.a.
F 29	20 58	8 27	4 31	15 7	1 2	5 1	2 54	4 57	0 59	11 44	1 21	17 56	1 26	15 59	0 45	0 22	2 0	32 1	11 51	23 44	23 44	11 7		n.a.
S 30	21s10	3n46	4s58	15s39	0n54	5s13	2n59	5s13	0n59	11n43	1n21	17s57	1n26	15s59	0s45	0n22	2s 0	32s 1	11s51	23s44	23s44	11n 4		n.a.

Julian Day Number = 1565035.5, Delta T = 04h21m33s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'07, Lahiri = - 9°52'07 Julian Calendar 1 Nov. 429 BCE == Greg. Calendar 27 Oct. 429 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 429 BCE
geocentric

DECEMBER 429 BCE (-428) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 18 34	4♐45'27	20♍50	16♏17	20♎53	16♎ 1	3♍17	25♏28	19♒12	5°R28	29♉48	27°R42	28♐39	20♌27	n.a.	S 1
M 2	4 22 31	5°46'43	3♎ 3	17°43	21°38	16°41	3°21	25°35	19°14	5♈28	29°49	27♐40	28°36	20°33	n.a.	M 2
T 3	4 26 27	6°48'00	15°32	19° 9	22°25	17°21	3°26	25°42	19°15	5°27	29°50	27°37	28°33	20°40	n.a.	T 3
W 4	4 30 24	7°49'17	28°21	20°35	23°12	18° 1	3°29	25°49	19°17	5°27	29°51	27°34	28°30	20°47	n.a.	W 4
T 5	4 34 20	8°50'33	11♏30	22° 3	24° 0	18°41	3°33	25°56	19°18	5°26	29°52	27°31	28°26	20°53	n.a.	T 5
F 6	4 38 17	9°51'50	25° 0	23°30	24°49	19°21	3°37	26° 3	19°20	5°25	29°53	27°29	28°23	21° 0	n.a.	F 6
S 7	4 42 13	10°53'06	8♐50	24°59	25°39	20° 1	3°40	26°10	19°22	5°25	29°55	27°27	28°20	21° 7	n.a.	S 7
S 8	4 46 10	11°54'22	22°56	26°28	26°29	20°41	3°43	26°16	19°23	5°24	29°56	27°D26	28°17	21°14	n.a.	S 8
M 9	4 50 6	12°55'38	7♑13	27°58	27°21	21°20	3°46	26°23	19°25	5°24	29°57	27°26	28°14	21°20	n.a.	M 9
T 10	4 54 3	13°56'53	21°38	29°28	28°13	22° 0	3°49	26°30	19°27	5°24	29°58	27°27	28°11	21°27	n.a.	T 10
W11	4 58 0	14°58'07	6♒ 4	0♐58	29° 6	22°40	3°52	26°37	19°29	5°23	29°59	27°28	28° 7	21°34	n.a.	W11
T 12	5 1 56	15°59'21	20°28	2°29	29°59	23°20	3°54	26°44	19°31	5°23	0♒ 1	27°29	28° 4	21°40	n.a.	T 12
F 13	5 5 53	17° 0'33	4♓46	4° 1	0♏53	24° 0	3°56	26°50	19°33	5°23	0° 2	27°30	28° 1	21°47	n.a.	F 13
S 14	5 9 49	18° 1'45	18°55	5°33	1°48	24°40	3°58	26°57	19°35	5°22	0° 3	27°R30	27°58	21°54	n.a.	S 14
S 15	5 13 46	19° 2'55	2♈53	7° 6	2°44	25°20	4° 0	27° 4	19°37	5°22	0° 5	27°30	27°55	22° 0	n.a.	S 15
M16	5 17 42	20° 4'05	16°40	8°39	3°40	26° 0	4° 2	27°10	19°39	5°22	0° 6	27°29	27°51	22° 7	n.a.	M16
T 17	5 21 39	21° 5'14	0♉14	10°13	4°36	26°40	4° 3	27°17	19°41	5°22	0° 7	27°28	27°48	22°14	n.a.	T 17
W18	5 25 35	22° 6'21	13°35	11°47	5°33	27°20	4° 5	27°24	19°43	5°22	0° 9	27°28	27°45	22°21	n.a.	W18
T 19	5 29 32	23° 7'28	26°43	13°22	6°31	28° 0	4° 6	27°30	19°45	5°21	0°10	27°27	27°42	22°27	n.a.	T 19
F 20	5 33 29	24° 8'34	9♊38	14°57	7°29	28°40	4° 7	27°37	19°47	5°21	0°12	27°27	27°39	22°34	n.a.	F 20
S 21	5 37 25	25° 9'39	22°19	16°33	8°28	29°20	4° 8	27°43	19°50	5°D21	0°13	27°D26	27°36	22°41	n.a.	S 21
S 22	5 41 22	26°10'43	4♋48	18° 9	9°27	0♏ 0	4° 8	27°50	19°52	5°21	0°14	27°27	27°32	22°47	n.a.	S 22
M23	5 45 18	27°11'46	17° 5	19°46	10°26	0°40	4° 9	27°56	19°54	5°21	0°16	27°R27	27°29	22°54	n.a.	M23
T 24	5 49 15	28°12'48	29°11	21°24	11°26	1°21	4°R 9	28° 3	19°57	5°22	0°17	27°27	27°26	23° 1	n.a.	T 24
W25	5 53 11	29°13'50	11♌ 9	23° 2	12°27	2° 1	4° 9	28° 9	19°59	5°22	0°19	27°26	27°23	23° 7	n.a.	W25
T 26	5 57 8	0♑14'50	23° 2	24°41	13°28	2°41	4° 9	28°15	20° 2	5°22	0°20	27°26	27°20	23°14	n.a.	T 26
F 27	6 1 5	1°15'50	4♍53	26°21	14°29	3°21	4° 8	28°22	20° 4	5°22	0°22	27°26	27°17	23°21	n.a.	F 27
S 28	6 5 1	2°16'48	16°45	28° 1	15°30	4° 1	4° 8	28°28	20° 7	5°22	0°23	27°25	27°13	23°28	n.a.	S 28
S 29	6 8 58	3°17'46	28°44	29°42	16°32	4°41	4° 7	28°34	20° 9	5°22	0°25	27°D25	27°10	23°34	n.a.	S 29
M30	6 12 54	4°18'42	10♎54	1♑24	17°35	5°21	4° 6	28°40	20°12	5°23	0°26	27°25	27° 7	23°41	n.a.	M30
T 31	6 16 51	5♑19'38	23♎20	3♑ 6	18♏37	6♏ 1	4♍ 5	28♏46	20♒14	5♈23	0♒28	27♐25	27♐ 4	23♌48	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	21s22	1s 6	5s13	16s11	0n46	5s26	3n 3	5s29	0n59	11n41	1n21	17s59	1n26	15s58	0s45	0n22	2s 0	32s 0	11s51	23s44	23s44	11n 1			n.a.
M 2	21 33	6 1	5 13	16 43	0 39	5 39	3 7	5 45	0 58	11 40	1 21	18 1	1 26	15 58	0 45	0 22	2 0	32 0	11 51	23 44	23 44	10 59			n.a.
T 3	21 43	10 47	5 0	17 14	0 31	5 53	3 10	6 0	0 58	11 39	1 22	18 2	1 26	15 57	0 45	0 21	2 0	31 59	11 50	23 44	23 44	10 56			n.a.
W 4	21 54	15 14	4 31	17 45	0 24	6 8	3 14	6 16	0 58	11 38	1 22	18 4	1 26	15 57	0 45	0 21	2 0	31 59	11 50	23 43	23 44	10 53			n.a.
T 5	22 4	19 4	3 47	18 15	0 16	6 23	3 17	6 32	0 57	11 36	1 22	18 6	1 26	15 56	0 45	0 21	2 0	31 58	11 50	23 43	23 44	10 51			n.a.
F 6	22 13	22 0	2 50	18 45	0 9	6 38	3 20	6 47	0 57	11 35	1 23	18 7	1 26	15 56	0 45	0 21	2 0	31 58	11 50	23 43	23 44	10 48			n.a.
S 7	22 22	23 43	1 41	19 14	0 2	6 54	3 22	7 3	0 56	11 35	1 23	18 9	1 26	15 55	0 45	0 21	2 0	31 57	11 50	23 43	23 44	10 46			n.a.
S 8	22 30	23 58	0 25	19 42	0s 6	7 10	3 24	7 19	0 56	11 34	1 23	18 11	1 26	15 55	0 45	0 21	2 0	31 57	11 50	23 43	23 44	10 43			n.a.
M 9	22 38	22 39	0n54	20 10	0 13	7 27	3 27	7 34	0 56	11 33	1 24	18 12	1 26	15 54	0 45	0 20	2 0	31 57	11 49	23 43	23 44	10 40			n.a.
T 10	22 46	19 51	2 10	20 37	0 20	7 44	3 28	7 50	0 55	11 32	1 24	18 14	1 26	15 53	0 45	0 20	2 0	31 56	11 49	23 43	23 44	10 38			n.a.
W11	22 53	15 48	3 18	21 3	0 26	8 1	3 30	8 5	0 55	11 31	1 24	18 15	1 26	15 53	0 45	0 20	2 0	31 56	11 49	23 43	23 44	10 35			n.a.
T 12	23 0	10 51	4 13	21 28	0 33	8 19	3 31	8 20	0 54	11 31	1 24	18 17	1 26	15 52	0 45	0 20	2 0	31 55	11 49	23 43	23 44	10 32			n.a.
F 13	23 6	5 21	4 53	21 52	0 39	8 37	3 33	8 36	0 54	11 30	1 25	18 19	1 26	15 51	0 45	0 20	2 0	31 55	11 49	23 43	23 44	10 30			n.a.
S 14	23 12	0n22	5 13	22 15	0 46	8 55	3 34	8 51	0 54	11 30	1 25	18 20	1 26	15 51	0 45	0 20	2 0	31 54	11 49	23 43	23 44	10 27			n.a.
S 15	23 17	5 59	5 16	22 38	0 52	9 13	3 34	9 6	0 53	11 29	1 25	18 22	1 26	15 50	0 45	0 20	1 59	31 54	11 48	23 43	23 44	10 24			n.a.
M16	23 22	11 14	5 0	22 59	0 58	9 32	3 35	9 21	0 53	11 29	1 26	18 23	1 26	15 49	0 45	0 20	1 59	31 53	11 48	23 43	23 44	10 22			n.a.
T 17	23 27	15 51	4 27	23 19	1 4	9 50	3 35	9 36	0 52	11 29	1 26	18 25	1 26	15 49	0 45	0 20	1 59	31 53	11 48	23 43	23 44	10 19			n.a.
W18	23 30	19 37	3 40	23 38	1 9	10 9	3 36	9 51	0 52	11 28	1 26	18 26	1 26	15 48	0 45	0 20	1 59	31 52	11 48	23 43	23 44	10 16			n.a.
T 19	23 34	22 18	2 42	23 56	1 15	10 28	3 36	10 6	0 51	11 28	1 27	18 28	1 26	15 47	0 45	0 20	1 59	31 52	11 48	23 43	23 44	10 14			n.a.
F 20	23 37	23 47	1 37	24 12	1 20	10 47	3 36	10 21	0 51	11 28	1 27	18 29	1 26	15 47	0 45	0 20	1 59	31 52	11 48	23 43	23 44	10 11			n.a.
S 21	23 39	24 0	0 28	24 27	1 25	11 7	3 35	10 36	0 50	11 28	1 27	18 31	1 26	15 46	0 45	0 20	1 59	31 51	11 48	23 43	23 43	10 9			n.a.
S 22	23 41	22 59	0s41	24 41	1 29	11 26	3 35	10 51	0 50	11 28	1 28	18 32	1 26	15 45	0 45	0 20	1 59	31 51	11 47	23 43	23 43	10 6			n.a.
M23	23 43	20 52	1 47	24 54	1 34	11 45	3 34	11 5	0 49	11 29	1 28	18 34	1 26	15 44	0 45	0 20	1 59	31 50	11 47	23 43	23 43	10 3			n.a.
T 24	23 44	17 51	2 47	25 5	1 38	12 5	3 33	11 20	0 49	11 29	1 28	18 35	1 26	15 43	0 45	0 20	1 59	31 50	11 47	23 43	23 43	10 1			n.a.
W25	23 45	14 8	3 40	25 15	1 41	12 24	3 32	11 34	0 48	11 29	1 28	18 37	1 26	15 43	0 45	0 21	1 59	31 49	11 47	23 43	23 43	9 58			n.a.
T 26	23 45	9 53	4 22	25 23	1 45	12 43	3 31	11 49	0 48	11 29	1 29	18 38	1 26	15 42	0 45	0 21	1 59	31 49	11 47	23 43	23 43	9 55			n.a.
F 27	23 44	5 18	4 53	25 30	1 48	13 3	3 30	12 3	0 47	11 30	1 29	18 39	1 26	15 41	0 45	0 21	1 59	31 48	11 47	23 43	23 43	9 53			n.a.
S 28	23 44	0 31	5 12	25 35	1 51	13 22	3 29	12 17	0 47	11 30	1 29	18 41	1 26	15 40	0 45	0 21	1 59	31 48	11 47	23 43	23 43	9 50			n.a.
S 29	23 42	4s20	5 17	25 39	1 54	13 41	3 27	12 31	0 46	11 31	1 30	18 42	1 26	15 39	0 45	0 21	1 59	31 47	11 47	23 43	23 43	9 47			n.a.
M30	23 41	9 5	5 9	25 40	1 56	14 0	3 26	12 46	0 46	11 32	1 30	18 43	1 26	15 38	0 44	0 21	1 58	31 47	11 47	23 43	23 43	9 45			n.a.
T 31	23s38	13s35	4s46	25s40	1s58	14s19	3n24	13s 0	0n45	11n32	1n30	18s45	1n26	15s38	0s44	0n21	1s58	31s47	11s47	23s43	23s43	9n42			n.a.

Julian Day Number = 1565065.5, Delta T = 04h21m32s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°59'03, Lahiri = - 9°52'03 Julian Calendar 1 Dec. 429 BCE == Greg. Calendar 26 Nov. 429 BCE

The year -428 astronomical counting style corresponds to year 429 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

JANUARY 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 20 47	6♉20'33	6♏ 6	4♉49	19♏40	6♏42	4°R 3	28♏52	20♒17	5♈23	0♒29	27♐26	27♐ 1	23♌54	n.a.	W 1
T 2	6 24 44	7°21'27	19°14	6°33	20°44	7°22	4♍ 2	28°58	20°20	5°24	0°31	27°27	26°57	24° 1	n.a.	T 2
F 3	6 28 40	8°22'20	2♐48	8°17	21°47	8° 2	4° 0	29° 4	20°22	5°24	0°32	27°28	26°54	24° 8	n.a.	F 3
S 4	6 32 37	9°23'12	16°47	10° 3	22°51	8°42	3°58	29°10	20°25	5°25	0°34	27°29	26°51	24°14	n.a.	S 4
S 5	6 36 34	10°24'02	1♉ 9	11°49	23°55	9°22	3°56	29°16	20°28	5°25	0°36	27°R29	26°48	24°21	n.a.	S 5
M 6	6 40 30	11°24'51	15°49	13°35	25° 0	10° 2	3°54	29°22	20°31	5°26	0°37	27°28	26°45	24°28	n.a.	M 6
T 7	6 44 27	12°25'39	0♒41	15°23	26° 4	10°43	3°51	29°28	20°34	5°26	0°39	27°27	26°42	24°35	n.a.	T 7
W 8	6 48 23	13°26'25	15°37	17°11	27° 9	11°23	3°49	29°33	20°37	5°27	0°40	27°25	26°38	24°41	n.a.	W 8
T 9	6 52 20	14°27'09	0♓27	18°59	28°14	12° 3	3°46	29°39	20°39	5°28	0°42	27°23	26°35	24°48	n.a.	T 9
F 10	6 56 16	15°27'52	15° 6	20°49	29°19	12°43	3°43	29°45	20°42	5°28	0°44	27°21	26°32	24°55	n.a.	F 10
S 11	7 0 13	16°28'32	29°28	22°38	0♐25	13°23	3°39	29°50	20°45	5°29	0°45	27°19	26°29	25° 1	n.a.	S 11
S 12	7 4 9	17°29'11	13♈30	24°28	1°31	14° 4	3°36	29°56	20°48	5°30	0°47	27°D18	26°26	25° 8	n.a.	S 12
M13	7 8 6	18°29'48	27°12	26°18	2°37	14°44	3°32	0♐ 1	20°51	5°30	0°49	27°19	26°23	25°15	n.a.	M13
T 14	7 12 3	19°30'23	10♉33	28° 9	3°43	15°24	3°29	0° 7	20°54	5°31	0°50	27°20	26°19	25°21	n.a.	T 14
W15	7 15 59	20°30'56	23°36	29°59	4°49	16° 4	3°25	0°12	20°57	5°32	0°52	27°21	26°16	25°28	n.a.	W15
T 16	7 19 56	21°31'27	6♊23	1♒49	5°56	16°44	3°21	0°17	21° 0	5°33	0°53	27°23	26°13	25°35	n.a.	T 16
F 17	7 23 52	22°31'56	18°57	3°39	7° 3	17°25	3°16	0°22	21° 4	5°34	0°55	27°24	26°10	25°42	n.a.	F 17
S 18	7 27 49	23°32'24	1♋19	5°28	8° 9	18° 5	3°12	0°27	21° 7	5°35	0°57	27°R24	26° 7	25°48	n.a.	S 18
S 19	7 31 45	24°32'49	13°32	7°16	9°17	18°45	3° 7	0°32	21°10	5°36	0°58	27°23	26° 3	25°55	n.a.	S 19
M20	7 35 42	25°33'13	25°38	9° 2	10°24	19°25	3° 3	0°37	21°13	5°37	1° 0	27°20	26° 0	26° 2	n.a.	M20
T 21	7 39 38	26°33'35	7♌37	10°47	11°31	20° 5	2°58	0°42	21°16	5°38	1° 2	27°16	25°57	26° 8	n.a.	T 21
W22	7 43 35	27°33'55	19°31	12°30	12°39	20°46	2°53	0°47	21°19	5°39	1° 3	27°11	25°54	26°15	n.a.	W22
T 23	7 47 32	28°34'13	1♍23	14° 9	13°46	21°26	2°48	0°52	21°22	5°40	1° 5	27° 5	25°51	26°22	n.a.	T 23
F 24	7 51 28	29°34'29	13°15	15°46	14°54	22° 6	2°42	0°57	21°26	5°41	1° 7	26°59	25°48	26°29	n.a.	F 24
S 25	7 55 25	0♒34'44	25° 8	17°18	16° 2	22°46	2°37	1° 1	21°29	5°42	1° 8	26°54	25°44	26°35	n.a.	S 25
S 26	7 59 21	1°34'57	7♎ 7	18°47	17°10	23°27	2°31	1° 6	21°32	5°43	1°10	26°50	25°41	26°42	n.a.	S 26
M27	8 3 18	2°35'09	19°15	20°10	18°19	24° 7	2°25	1°10	21°35	5°44	1°12	26°47	25°38	26°49	n.a.	M27
T 28	8 7 14	3°35'19	1♏36	21°28	19°27	24°47	2°19	1°15	21°39	5°46	1°13	26°D46	25°35	26°55	n.a.	T 28
W29	8 11 11	4°35'27	14°16	22°39	20°36	25°27	2°13	1°19	21°42	5°47	1°15	26°47	25°32	27° 2	n.a.	W29
T 30	8 15 7	5°35'33	27°17	23°44	21°44	26° 8	2° 7	1°24	21°45	5°48	1°17	26°48	25°29	27° 9	n.a.	T 30
F 31	8 19 4	6♒35'38	10♐45	24♒41	22♐53	26♏48	2♍ 1	1♐28	21♒49	5♈50	1♒19	26♐49	25♐25	27♌15	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	23 s36	17 s37	4 s 8	25 s39	1 s59	14 s38	3n22	13 s13	0n44	11n33	1n31	18 s46	1n26	15 s37	0 s44	0n22	1 s58	31 s46	11 s46	23 s43	23 s43	9n39			n.a.
T 2	23 32	20 54	3 17	25 35	2 0	14 57	3 20	13 27	0 44	11 34	1 31	18 47	1 26	15 36	0 44	0 22	1 58	31 46	11 46	23 43	23 43	9 37			n.a.
F 3	23 29	23 9	2 13	25 30	2 1	15 16	3 18	13 41	0 43	11 35	1 31	18 49	1 26	15 35	0 44	0 22	1 58	31 45	11 46	23 43	23 43	9 34			n.a.
S 4	23 25	24 3	0 59	25 23	2 1	15 34	3 16	13 55	0 43	11 36	1 31	18 50	1 26	15 34	0 44	0 22	1 58	31 45	11 46	23 43	23 43	9 31			n.a.
S 5	23 20	23 24	0n20	25 13	2 1	15 52	3 13	14 8	0 42	11 37	1 32	18 51	1 26	15 33	0 44	0 23	1 58	31 44	11 46	23 43	23 42	9 29			n.a.
M 6	23 15	21 9	1 40	25 2	2 0	16 10	3 11	14 22	0 41	11 38	1 32	18 52	1 26	15 32	0 44	0 23	1 58	31 44	11 46	23 43	23 42	9 26			n.a.
T 7	23 9	17 26	2 54	24 49	1 59	16 28	3 8	14 35	0 41	11 39	1 32	18 54	1 26	15 31	0 44	0 23	1 58	31 44	11 46	23 43	23 42	9 23			n.a.
W 8	23 3	12 37	3 56	24 34	1 58	16 46	3 6	14 48	0 40	11 40	1 33	18 55	1 26	15 30	0 44	0 23	1 58	31 43	11 46	23 43	23 42	9 21			n.a.
T 9	22 57	7 4	4 42	24 17	1 55	17 3	3 3	15 1	0 40	11 42	1 33	18 56	1 26	15 29	0 44	0 24	1 58	31 43	11 46	23 43	23 42	9 18			n.a.
F 10	22 50	1 12	5 9	23 58	1 52	17 20	3 0	15 14	0 39	11 43	1 33	18 57	1 26	15 28	0 44	0 24	1 58	31 42	11 46	23 43	23 42	9 15			n.a.
S 11	22 43	4n36	5 15	23 37	1 49	17 37	2 57	15 27	0 38	11 45	1 34	18 58	1 26	15 27	0 44	0 24	1 58	31 42	11 46	23 43	23 42	9 13			n.a.
S 12	22 35	10 2	5 3	23 13	1 45	17 53	2 54	15 40	0 38	11 46	1 34	19 0	1 26	15 26	0 44	0 25	1 58	31 41	11 46	23 43	23 42	9 10			n.a.
M13	22 27	14 51	4 34	22 48	1 40	18 9	2 51	15 53	0 37	11 48	1 34	19 1	1 26	15 25	0 44	0 25	1 58	31 41	11 46	23 43	23 42	9 7			n.a.
T 14	22 18	18 49	3 50	22 21	1 35	18 25	2 48	16 5	0 36	11 49	1 34	19 2	1 26	15 24	0 44	0 26	1 57	31 41	11 46	23 43	23 42	9 5			n.a.
W15	22 9	21 45	2 56	21 52	1 29	18 40	2 45	16 18	0 35	11 51	1 35	19 3	1 26	15 23	0 44	0 26	1 57	31 40	11 46	23 43	23 42	9 2			n.a.
T 16	22 0	23 31	1 53	21 21	1 22	18 55	2 42	16 30	0 35	11 53	1 35	19 4	1 26	15 22	0 44	0 26	1 57	31 40	11 46	23 43	23 42	8 59			n.a.
F 17	21 50	24 3	0 46	20 48	1 15	19 10	2 38	16 42	0 34	11 55	1 35	19 5	1 26	15 21	0 44	0 27	1 57	31 39	11 46	23 43	23 41	8 57			n.a.
S 18	21 40	23 23	0 s22	20 14	1 7	19 24	2 35	16 54	0 33	11 56	1 35	19 6	1 26	15 20	0 44	0 27	1 57	31 39	11 46	23 43	23 41	8 54			n.a.
S 19	21 29	21 36	1 27	19 38	0 58	19 38	2 32	17 6	0 33	11 58	1 36	19 7	1 27	15 19	0 44	0 28	1 57	31 39	11 46	23 43	23 41	8 51			n.a.
M20	21 18	18 51	2 29	19 0	0 48	19 51	2 28	17 18	0 32	12 0	1 36	19 8	1 27	15 18	0 44	0 28	1 57	31 38	11 46	23 43	23 41	8 49			n.a.
T 21	21 7	15 20	3 23	18 22	0 38	20 4	2 25	17 30	0 31	12 2	1 36	19 9	1 27	15 17	0 44	0 29	1 57	31 38	11 46	23 43	23 41	8 46			n.a.
W22	20 55	11 14	4 7	17 42	0 27	20 17	2 21	17 41	0 30	12 4	1 36	19 10	1 27	15 16	0 44	0 29	1 57	31 37	11 46	23 43	23 41	8 43			n.a.
T 23	20 43	6 45	4 41	17 2	0 15	20 29	2 17	17 53	0 29	12 7	1 37	19 11	1 27	15 15	0 44	0 30	1 57	31 37	11 46	23 43	23 41	8 41			n.a.
F 24	20 30	2 1	5 3	16 22	0 3	20 40	2 14	18 4	0 29	12 9	1 37	19 12	1 27	15 14	0 44	0 30	1 57	31 37	11 46	23 43	23 41	8 38			n.a.
S 25	20 17	2 s48	5 11	15 41	0n10	20 51	2 10	18 15	0 28	12 11	1 37	19 13	1 27	15 13	0 44	0 31	1 57	31 36	11 46	23 43	23 41	8 35			n.a.
S 26	20 4	7 32	5 7	15 1	0 24	21 2	2 6	18 26	0 27	12 13	1 37	19 14	1 27	15 12	0 44	0 31	1 57	31 36	11 46	23 43	23 41	8 33			n.a.
M27	19 50	12 3	4 48	14 21	0 38	21 12	2 2	18 37	0 26	12 16	1 38	19 14	1 27	15 11	0 44	0 32	1 57	31 36	11 46	23 42	23 40	8 30			n.a.
T 28	19 36	16 10	4 16	13 43	0 52	21 21	1 58	18 48	0 25	12 18	1 38	19 15	1 27	15 10	0 44	0 32	1 57	31 35	11 46	23 42	23 40	8 27			n.a.
W29	19 22	19 40	3 31	13 5	1 7	21 30	1 55	18 59	0 24	12 20	1 38	19 16	1 27	15 9	0 44	0 33	1 57	31 35	11 46	23 42	23 40	8 24			n.a.
T 30	19 7	22 18	2 34	12 30	1 22	21 39	1 51	19 9	0 24	12 23	1 38	19 17	1 27	15 8	0 44	0 33	1 57	31 35	11 46	23 42	23 40	8 22			n.a.
F 31	18 s52	23 s46	1 s26	11 s56	1n37	21 s47	1n47	19 s19	0n23	12n25	1n38	19 s18	1n27	15 s 6	0 s44	0n34	1 s56	31 s34	11 s46	23 s42	23 s40	8n19			n.a.

Julian Day Number = 1565096.5, Delta T = 04h21m31s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'59, Lahiri = - 9°51'59 Julian Calendar 1 Jan. 428 BCE == Greg. Calendar 27 Dec. 429 BCE

The year -427 astronomical counting style corresponds to year 428 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

FEBRUARY 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 23 1	7♒35'41	24♐40	25♒31	24♐ 2	27♏28	1°R55	1♐32	21♒52	5♈51	1♒20	26°R50	25♐22	27♌22	n.a.	S 1
S 2	8 26 57	8°35'43	9♑ 2	26°12	25°11	28° 8	1♍48	1°36	21°55	5°52	1°22	26♐50	25°19	27°29	n.a.	S 2
M 3	8 30 54	9°35'42	23°50	26°45	26°20	28°48	1°41	1°40	21°59	5°54	1°24	26°47	25°16	27°36	n.a.	M 3
T 4	8 34 50	10°35'40	8♒55	27° 9	27°29	29°29	1°35	1°44	22° 2	5°55	1°25	26°43	25°13	27°42	n.a.	T 4
W 5	8 38 47	11°35'35	24°10	27°24	28°38	0♐ 9	1°28	1°48	22° 6	5°57	1°27	26°36	25° 9	27°49	n.a.	W 5
T 6	8 42 43	12°35'28	9♓23	27°R30	29°48	0°49	1°21	1°51	22° 9	5°58	1°28	26°29	25° 6	27°56	n.a.	T 6
F 7	8 46 40	13°35'19	24°23	27°27	0♑57	1°29	1°14	1°55	22°12	6° 0	1°30	26°22	25° 3	28° 2	n.a.	F 7
S 8	8 50 36	14°35'08	9♈ 4	27°15	2° 7	2° 9	1° 7	1°59	22°16	6° 1	1°32	26°16	25° 0	28° 9	n.a.	S 8
S 9	8 54 33	15°34'54	23°19	26°55	3°16	2°50	1° 0	2° 2	22°19	6° 3	1°33	26°12	24°57	28°16	n.a.	S 9
M10	8 58 30	16°34'38	7♉ 7	26°28	4°26	3°30	0°52	2° 5	22°23	6° 4	1°35	26°10	24°54	28°23	n.a.	M10
T 11	9 2 26	17°34'19	20°28	25°54	5°36	4°10	0°45	2° 9	22°26	6° 6	1°37	26°D 9	24°50	28°29	n.a.	T 11
W12	9 6 23	18°33'59	3♊25	25°13	6°45	4°50	0°38	2°12	22°29	6° 8	1°38	26°10	24°47	28°36	n.a.	W12
T 13	9 10 19	19°33'35	16° 3	24°27	7°55	5°30	0°30	2°15	22°33	6° 9	1°40	26°11	24°44	28°43	n.a.	T 13
F 14	9 14 16	20°33'10	28°24	23°38	9° 5	6°10	0°23	2°18	22°36	6°11	1°41	26°R12	24°41	28°49	n.a.	F 14
S 15	9 18 12	21°32'42	10♋34	22°45	10°15	6°50	0°15	2°21	22°40	6°13	1°43	26°10	24°38	28°56	n.a.	S 15
S 16	9 22 9	22°32'12	22°36	21°50	11°25	7°31	0° 8	2°24	22°43	6°14	1°45	26° 7	24°35	29° 3	n.a.	S 16
M17	9 26 5	23°31'39	4♌32	20°55	12°36	8°11	29♌59	2°27	22°46	6°16	1°46	26° 1	24°31	29°10	n.a.	M17
T 18	9 30 2	24°31'04	16°25	20° 1	13°46	8°51	29°52	2°30	22°50	6°18	1°48	25°52	24°28	29°16	n.a.	T 18
W19	9 33 59	25°30'27	28°17	19° 8	14°56	9°31	29°45	2°32	22°53	6°20	1°49	25°42	24°25	29°23	n.a.	W19
T 20	9 37 55	26°29'48	10♍ 9	18°18	16° 7	10°11	29°37	2°35	22°57	6°21	1°51	25°30	24°22	29°30	n.a.	T 20
F 21	9 41 52	27°29'06	22° 3	17°31	17°17	10°51	29°29	2°37	23° 0	6°23	1°52	25°18	24°19	29°36	n.a.	F 21
S 22	9 45 48	28°28'23	4♎ 0	16°49	18°27	11°31	29°21	2°39	23° 4	6°25	1°54	25° 7	24°15	29°43	n.a.	S 22
S 23	9 49 45	29°27'37	16° 3	16°11	19°38	12°11	29°14	2°42	23° 7	6°27	1°56	24°57	24°12	29°50	n.a.	S 23
M24	9 53 41	0♓26'50	28°13	15°38	20°49	12°51	29° 6	2°44	23°10	6°29	1°57	24°50	24° 9	29°56	n.a.	M24
T 25	9 57 38	1°26'01	10♏35	15°11	21°59	13°31	28°58	2°46	23°14	6°31	1°59	24°46	24° 6	0♍ 3	n.a.	T 25
W26	10 1 34	2°25'10	23°12	14°50	23°10	14°11	28°50	2°48	23°17	6°33	2° 0	24°44	24° 3	0°10	n.a.	W26
T 27	10 5 31	3°24'17	6♐ 8	14°34	24°21	14°51	28°43	2°50	23°21	6°35	2° 2	24°D43	24° 0	0°17	n.a.	T 27
F 28	10 9 27	4♓23'22	19♐27	14♒24	25♑32	15♐31	28♌35	2♐51	23♒24	6♈37	2♒ 3	24°R44	23♐56	0♍23	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s36	23s50	0s12	11s26	1n52	21s54	1n43	19s30	0n22	12n28	1n39	19s19	1n27	15s 5	0s44	0n34	1s56	31s34	11s46	23s43	23s40	8n16		n.a.
S 2	18 21	22 20	1n 6	10 58	2 7	22 1	1 39	19 40	0 21	12 30	1 39	19 19	1 27	15 4	0 44	0 35	1 56	31 34	11 46	23 42	23 40	8 14		n.a.
M 3	18 5	19 18	2 21	10 33	2 21	22 7	1 35	19 49	0 20	12 33	1 39	19 20	1 27	15 3	0 44	0 36	1 56	31 33	11 47	23 42	23 40	8 11		n.a.
T 4	17 48	14 55	3 28	10 12	2 35	22 13	1 31	19 59	0 19	12 35	1 39	19 21	1 27	15 2	0 44	0 36	1 56	31 33	11 47	23 42	23 40	8 8		n.a.
W 5	17 32	9 33	4 20	9 54	2 48	22 18	1 27	20 9	0 18	12 38	1 39	19 21	1 28	15 1	0 44	0 37	1 56	31 33	11 47	23 42	23 39	8 6		n.a.
T 6	17 15	3 37	4 54	9 40	3 1	22 22	1 23	20 18	0 17	12 41	1 40	19 22	1 28	15 0	0 44	0 38	1 56	31 32	11 47	23 42	23 39	8 3		n.a.
F 7	16 57	2n27	5 8	9 31	3 12	22 26	1 19	20 27	0 16	12 43	1 40	19 23	1 28	14 59	0 44	0 38	1 56	31 32	11 47	23 42	23 39	8 0		n.a.
S 8	16 40	8 14	5 0	9 25	3 22	22 29	1 15	20 37	0 15	12 46	1 40	19 23	1 28	14 58	0 44	0 39	1 56	31 32	11 47	23 42	23 39	7 58		n.a.
S 9	16 22	13 24	4 34	9 24	3 30	22 32	1 11	20 46	0 14	12 49	1 40	19 24	1 28	14 56	0 44	0 40	1 56	31 31	11 47	23 41	23 39	7 55		n.a.
M10	16 4	17 43	3 53	9 27	3 38	22 33	1 7	20 54	0 13	12 52	1 40	19 25	1 28	14 55	0 44	0 40	1 56	31 31	11 47	23 41	23 39	7 52		n.a.
T 11	15 46	20 59	3 0	9 33	3 43	22 35	1 3	21 3	0 12	12 54	1 40	19 25	1 28	14 54	0 44	0 41	1 56	31 31	11 47	23 41	23 39	7 50		n.a.
W12	15 27	23 4	1 59	9 44	3 46	22 35	0 59	21 11	0 11	12 57	1 40	19 26	1 28	14 53	0 44	0 42	1 56	31 31	11 47	23 41	23 39	7 47		n.a.
T 13	15 9	23 54	0 54	9 58	3 48	22 36	0 55	21 20	0 10	13 0	1 41	19 26	1 28	14 52	0 44	0 42	1 56	31 30	11 48	23 41	23 38	7 44		n.a.
F 14	14 49	23 32	0s12	10 15	3 47	22 35	0 51	21 28	0 9	13 3	1 41	19 27	1 28	14 51	0 44	0 43	1 56	31 30	11 48	23 41	23 38	7 42		n.a.
S 15	14 30	22 3	1 16	10 34	3 45	22 34	0 47	21 36	0 8	13 6	1 41	19 27	1 28	14 50	0 44	0 44	1 56	31 30	11 48	23 41	23 38	7 39		n.a.
S 16	14 11	19 35	2 17	10 56	3 41	22 32	0 43	21 44	0 7	13 8	1 41	19 28	1 28	14 49	0 44	0 45	1 56	31 30	11 48	23 41	23 38	7 36		n.a.
M17	13 51	16 18	3 10	11 19	3 35	22 30	0 39	21 51	0 6	13 11	1 41	19 28	1 28	14 47	0 44	0 45	1 56	31 29	11 48	23 41	23 38	7 33		n.a.
T 18	13 31	12 23	3 55	11 44	3 27	22 26	0 35	21 59	0 5	13 14	1 41	19 29	1 28	14 46	0 44	0 46	1 56	31 29	11 48	23 41	23 38	7 31		n.a.
W19	13 11	8 1	4 30	12 9	3 17	22 23	0 31	22 6	0 4	13 17	1 41	19 29	1 29	14 45	0 44	0 47	1 56	31 29	11 48	23 41	23 38	7 28		n.a.
T 20	12 51	3 21	4 52	12 35	3 7	22 18	0 28	22 13	0 2	13 20	1 41	19 30	1 29	14 44	0 44	0 48	1 55	31 29	11 49	23 40	23 38	7 25		n.a.
F 21	12 30	1s26	5 2	13 1	2 55	22 13	0 24	22 20	0 1	13 23	1 41	19 30	1 29	14 43	0 44	0 48	1 55	31 28	11 49	23 40	23 37	7 23		n.a.
S 22	12 9	6 11	4 59	13 26	2 42	22 8	0 20	22 27	0 0	13 25	1 41	19 30	1 29	14 42	0 44	0 49	1 55	31 28	11 49	23 39	23 37	7 20		n.a.
S 23	11 48	10 44	4 43	13 50	2 28	22 1	0 16	22 34	0s 1	13 28	1 41	19 31	1 29	14 41	0 44	0 50	1 55	31 28	11 49	23 39	23 37	7 17		n.a.
M24	11 27	14 55	4 14	14 14	2 14	21 54	0 13	22 40	0 2	13 31	1 41	19 31	1 29	14 39	0 44	0 51	1 55	31 28	11 49	23 39	23 37	7 15		n.a.
T 25	11 6	18 32	3 32	14 36	1 59	21 47	0 9	22 46	0 3	13 34	1 41	19 32	1 29	14 38	0 44	0 51	1 55	31 28	11 49	23 39	23 37	7 12		n.a.
W26	10 45	21 23	2 39	14 56	1 44	21 39	0 5	22 52	0 5	13 37	1 41	19 32	1 29	14 37	0 44	0 52	1 55	31 27	11 50	23 38	23 37	7 9		n.a.
T 27	10 23	23 12	1 37	15 15	1 29	21 30	0 2	22 58	0 6	13 39	1 41	19 32	1 29	14 36	0 44	0 53	1 55	31 27	11 50	23 38	23 37	7 7		n.a.
F 28	10s 1	23s47	0s28	15s33	1n14	21s20	0s 2	23s 4	0s 7	13n42	1n41	19s32	1n29	14s35	0s44	0n54	1s55	31s27	11s50	23s38	23s36	7n 4		n.a.

Julian Day Number = 1565127.5, Delta T = 04h21m30s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'55, Lahiri = - 9°51'54 Julian Calendar 1 Feb. 428 BCE == Greg. Calendar 27 Jan. 428 BCE

The year -427 astronomical counting style corresponds to year 428 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

MARCH 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 13 24	5♓22'25	3♉12	14°D20	26♉42	16♐11	28°R27	2♐53	23♒27	6♈39	2♒ 4	24°R44	23♐53	0♍30	n.a.	S 1
S 2	10 17 21	6°21'27	17°24	14♒22	27°53	16°51	28♌20	2°55	23°31	6°41	2° 6	24♐42	23°50	0°37	n.a.	S 2
M 3	10 21 17	7°20'26	2♒ 4	14°29	29° 4	17°30	28°12	2°56	23°34	6°43	2° 7	24°38	23°47	0°43	n.a.	M 3
T 4	10 25 14	8°19'24	17° 5	14°41	0♓15	18°10	28° 4	2°58	23°37	6°45	2° 9	24°31	23°44	0°50	n.a.	T 4
W 5	10 29 10	9°18'19	2♓20	14°58	1°26	18°50	27°57	2°59	23°41	6°47	2°10	24°21	23°40	0°57	n.a.	W 5
T 6	10 33 7	10°17'13	17°39	15°20	2°38	19°30	27°49	3° 0	23°44	6°49	2°11	24°11	23°37	1° 4	n.a.	T 6
F 7	10 37 3	11°16'04	2♈51	15°46	3°49	20°10	27°42	3° 1	23°47	6°51	2°13	24° 0	23°34	1°10	n.a.	F 7
S 8	10 41 0	12°14'53	17°43	16°17	5° 0	20°49	27°35	3° 2	23°51	6°53	2°14	23°50	23°31	1°17	n.a.	S 8
S 9	10 44 56	13°13'39	2♉11	16°52	6°11	21°29	27°27	3° 3	23°54	6°55	2°16	23°43	23°28	1°24	n.a.	S 9
M10	10 48 53	14°12'24	16° 8	17°31	7°22	22° 9	27°20	3° 4	23°57	6°57	2°17	23°38	23°25	1°30	n.a.	M10
T 11	10 52 49	15°11'06	29°36	18°14	8°33	22°48	27°13	3° 5	24° 0	6°59	2°18	23°36	23°21	1°37	n.a.	T 11
W12	10 56 46	16° 9'46	12♊36	19° 0	9°45	23°28	27° 6	3° 5	24° 4	7° 1	2°19	23°35	23°18	1°44	n.a.	W12
T 13	11 0 43	17° 8'23	25°14	19°50	10°56	24° 7	26°59	3° 6	24° 7	7° 3	2°21	23°35	23°15	1°51	n.a.	T 13
F 14	11 4 39	18° 6'58	7♋32	20°43	12° 7	24°47	26°52	3° 6	24°10	7° 6	2°22	23°35	23°12	1°57	n.a.	F 14
S 15	11 8 36	19° 5'31	19°38	21°39	13°19	25°26	26°46	3° 7	24°13	7° 8	2°23	23°32	23° 9	2° 4	n.a.	S 15
S 16	11 12 32	20° 4'02	1♌34	22°38	14°30	26° 6	26°39	3° 7	24°16	7°10	2°24	23°28	23° 6	2°11	n.a.	S 16
M17	11 16 29	21° 2'30	13°26	23°40	15°42	26°45	26°33	3° 7	24°20	7°12	2°26	23°21	23° 2	2°17	n.a.	M17
T 18	11 20 25	22° 0'56	25°16	24°44	16°53	27°24	26°26	3°R 7	24°23	7°14	2°27	23°11	22°59	2°24	n.a.	T 18
W19	11 24 22	22°59'20	7♍ 8	25°51	18° 5	28° 4	26°20	3° 7	24°26	7°16	2°28	22°58	22°56	2°31	n.a.	W19
T 20	11 28 18	23°57'42	19° 3	27° 1	19°16	28°43	26°14	3° 7	24°29	7°19	2°29	22°44	22°53	2°38	n.a.	T 20
F 21	11 32 15	24°56'02	1♎ 2	28°13	20°28	29°22	26° 8	3° 6	24°32	7°21	2°30	22°30	22°50	2°44	n.a.	F 21
S 22	11 36 12	25°54'20	13° 7	29°27	21°39	0♉ 1	26° 2	3° 6	24°35	7°23	2°31	22°17	22°46	2°51	n.a.	S 22
S 23	11 40 8	26°52'36	25°19	0♓44	22°51	0°41	25°56	3° 6	24°38	7°25	2°32	22° 5	22°43	2°58	n.a.	S 23
M24	11 44 5	27°50'50	7♏38	2° 2	24° 3	1°20	25°50	3° 5	24°41	7°28	2°34	21°57	22°40	3° 4	n.a.	M24
T 25	11 48 1	28°49'03	20° 8	3°23	25°14	1°59	25°45	3° 4	24°44	7°30	2°35	21°51	22°37	3°11	n.a.	T 25
W26	11 51 58	29°47'14	2♐51	4°46	26°26	2°38	25°39	3° 4	24°47	7°32	2°36	21°48	22°34	3°18	n.a.	W26
T 27	11 55 54	0♈45'23	15°49	6°11	27°38	3°17	25°34	3° 3	24°50	7°34	2°37	21°47	22°31	3°25	n.a.	T 27
F 28	11 59 51	1°43'31	29° 6	7°38	28°50	3°55	25°29	3° 2	24°53	7°37	2°38	21°47	22°27	3°31	n.a.	F 28
S 29	12 3 47	2°41'38	12♉44	9° 7	0♓ 1	4°34	25°24	3° 1	24°56	7°39	2°39	21°46	22°24	3°38	n.a.	S 29
S 30	12 7 44	3°39'43	26°45	10°38	1°13	5°13	25°19	3° 0	24°59	7°41	2°40	21°45	22°21	3°45	n.a.	S 30
M31	12 11 41	4♈37'46	11♒10	12♓11	2♓25	5♉52	25♌14	2♐59	25♒ 1	7♈43	2♒41	21♐41	22♐18	3♍51	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s40	22s58	0n45	15s48	0n59	21s10	0s 5	23s10	0s 8	13n45	1n41	19s33	1n29	14s34	0s44	0n55	1s55	31s27	11s50	23s38	23s36	7n 1		n.a.
S 2	9 18	20 40	1 57	16 2	0 44	21 0	0 9	23 15	0 10	13 47	1 41	19 33	1 29	14 33	0 44	0 56	1 55	31 27	11 50	23 38	23 36	6 59		n.a.
M 3	8 55	16 58	3 4	16 13	0 30	20 48	0 12	23 20	0 11	13 50	1 41	19 33	1 30	14 32	0 44	0 56	1 55	31 27	11 51	23 38	23 36	6 56		n.a.
T 4	8 33	12 6	4 0	16 23	0 16	20 37	0 16	23 25	0 12	13 53	1 41	19 33	1 30	14 30	0 44	0 57	1 55	31 26	11 51	23 38	23 36	6 53		n.a.
W 5	8 11	6 26	4 39	16 31	0 2	20 24	0 19	23 30	0 14	13 55	1 41	19 33	1 30	14 29	0 44	0 58	1 55	31 26	11 51	23 37	23 36	6 50		n.a.
T 6	7 48	0 21	4 59	16 37	0s11	20 11	0 22	23 35	0 15	13 58	1 41	19 34	1 30	14 28	0 44	0 59	1 55	31 26	11 51	23 37	23 35	6 48		n.a.
F 7	7 26	5n41	4 58	16 41	0 23	19 58	0 25	23 39	0 16	14 1	1 41	19 34	1 30	14 27	0 44	1 0	1 55	31 26	11 51	23 37	23 35	6 45		n.a.
S 8	7 3	11 17	4 36	16 43	0 35	19 43	0 29	23 43	0 18	14 3	1 41	19 34	1 30	14 26	0 44	1 1	1 55	31 26	11 52	23 36	23 35	6 42		n.a.
S 9	6 40	16 4	3 57	16 44	0 47	19 29	0 32	23 47	0 19	14 6	1 41	19 34	1 30	14 25	0 44	1 1	1 55	31 26	11 52	23 36	23 35	6 40		n.a.
M10	6 18	19 49	3 4	16 42	0 58	19 13	0 35	23 51	0 21	14 8	1 41	19 34	1 30	14 24	0 44	1 2	1 55	31 26	11 52	23 36	23 35	6 37		n.a.
T 11	5 55	22 20	2 3	16 39	1 8	18 58	0 38	23 55	0 22	14 10	1 41	19 34	1 30	14 23	0 44	1 3	1 55	31 26	11 52	23 35	23 35	6 34		n.a.
W12	5 32	23 33	0 58	16 33	1 18	18 41	0 41	23 58	0 24	14 13	1 41	19 34	1 30	14 22	0 44	1 4	1 55	31 26	11 53	23 35	23 35	6 32		n.a.
T 13	5 9	23 31	0s 9	16 26	1 27	18 25	0 44	24 2	0 25	14 15	1 41	19 34	1 30	14 21	0 44	1 5	1 55	31 26	11 53	23 35	23 34	6 29		n.a.
F 14	4 45	22 19	1 13	16 17	1 36	18 7	0 46	24 5	0 26	14 17	1 41	19 34	1 30	14 20	0 44	1 6	1 55	31 25	11 53	23 35	23 34	6 26		n.a.
S 15	4 22	20 6	2 13	16 7	1 44	17 49	0 49	24 8	0 28	14 20	1 41	19 34	1 31	14 19	0 44	1 7	1 55	31 25	11 53	23 35	23 34	6 24		n.a.
S 16	3 59	17 2	3 6	15 54	1 52	17 31	0 52	24 11	0 30	14 22	1 41	19 34	1 31	14 18	0 44	1 8	1 55	31 25	11 54	23 35	23 34	6 21		n.a.
M17	3 36	13 19	3 51	15 40	1 59	17 12	0 54	24 13	0 31	14 24	1 41	19 34	1 31	14 16	0 44	1 8	1 55	31 25	11 54	23 35	23 34	6 18		n.a.
T 18	3 12	9 6	4 25	15 24	2 5	16 53	0 57	24 16	0 33	14 26	1 41	19 34	1 31	14 15	0 44	1 9	1 55	31 25	11 54	23 34	23 34	6 15		n.a.
W19	2 49	4 33	4 48	15 7	2 11	16 33	0 59	24 18	0 34	14 28	1 40	19 34	1 31	14 14	0 44	1 10	1 55	31 25	11 54	23 33	23 33	6 13		n.a.
T 20	2 26	0s11	4 59	14 47	2 16	16 13	1 2	24 20	0 36	14 30	1 40	19 34	1 31	14 13	0 44	1 11	1 55	31 25	11 55	23 33	23 33	6 10		n.a.
F 21	2 2	4 56	4 56	14 26	2 20	15 52	1 4	24 22	0 37	14 32	1 40	19 34	1 31	14 12	0 44	1 12	1 55	31 25	11 55	23 32	23 33	6 7		n.a.
S 22	1 39	9 32	4 40	14 4	2 24	15 31	1 6	24 24	0 39	14 34	1 40	19 33	1 31	14 11	0 44	1 13	1 55	31 25	11 55	23 31	23 33	6 5		n.a.
S 23	1 15	13 48	4 11	13 39	2 28	15 9	1 9	24 25	0 41	14 36	1 40	19 33	1 31	14 10	0 44	1 14	1 55	31 25	11 56	23 30	23 33	6 2		n.a.
M24	0 52	17 33	3 30	13 13	2 31	14 47	1 11	24 27	0 42	14 38	1 40	19 33	1 31	14 9	0 44	1 15	1 55	31 25	11 56	23 30	23 32	5 59		n.a.
T 25	0 29	20 33	2 39	12 46	2 33	14 25	1 13	24 28	0 44	14 40	1 40	19 33	1 31	14 8	0 44	1 16	1 55	31 25	11 56	23 30	23 32	5 57		n.a.
W26	0 5	22 36	1 38	12 17	2 35	14 2	1 15	24 29	0 46	14 41	1 39	19 33	1 31	14 7	0 44	1 16	1 55	31 25	11 56	23 29	23 32	5 54		n.a.
T 27	0n18	23 30	0 31	11 46	2 36	13 39	1 17	24 30	0 47	14 43	1 39	19 32	1 31	14 6	0 44	1 17	1 55	31 25	11 57	23 29	23 32	5 51		n.a.
F 28	0 42	23 6	0n39	11 13	2 36	13 15	1 19	24 30	0 49	14 45	1 39	19 32	1 32	14 5	0 44	1 18	1 55	31 25	11 57	23 29	23 32	5 49		n.a.
S 29	1 5	21 20	1 48	10 40	2 36	12 51	1 20	24 31	0 51	14 46	1 39	19 32	1 32	14 4	0 44	1 19	1 55	31 25	11 57	23 29	23 32	5 46		n.a.
S 30	1 28	18 14	2 54	10 4	2 36	12 27	1 22	24 31	0 53	14 48	1 39	19 32	1 32	14 3	0 44	1 20	1 55	31 25	11 58	23 29	23 31	5 43		n.a.
M31	1n52	13s58	3n50	9s27	2s34	12s 3	1s24	24s31	0s54	14n49	1n39	19s31	1n32	14s 3	0s44	1n21	1s55	31s25	11s58	23s29	23s31	5n40		n.a.

Julian Day Number = 1565155.5, Delta T = 04h21m29s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'51, Lahiri = - 9°51'51 Julian Calendar 1 March 428 BCE == Greg. Calendar 24 Feb. 428 BCE

The year -427 astronomical counting style corresponds to year 428 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

APRIL 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 15 37	5♈35'48	25♒55	13♓46	3♓37	6♉30	25°R10	2°R57	25♒ 4	7♈46	2♒41	21°R34	22♐15	3♍58	n.a.	T 1
W 2	12 19 34	6°33'49	10♓56	15°23	4°49	7° 9	25♌ 5	2♐56	25° 7	7°48	2°42	21♐26	22°11	4° 5	n.a.	W 2
T 3	12 23 30	7°31'47	26° 3	17° 1	6° 1	7°47	25° 1	2°54	25°10	7°50	2°43	21°15	22° 8	4°12	n.a.	T 3
F 4	12 27 27	8°29'44	11♈ 7	18°42	7°13	8°26	24°57	2°53	25°12	7°52	2°44	21° 5	22° 5	4°18	n.a.	F 4
S 5	12 31 23	9°27'40	25°57	20°24	8°25	9° 4	24°53	2°51	25°15	7°55	2°45	20°55	22° 2	4°25	n.a.	S 5
S 6	12 35 20	10°25'34	10♉25	22° 9	9°37	9°42	24°50	2°49	25°18	7°57	2°46	20°48	21°59	4°32	n.a.	S 6
M 7	12 39 16	11°23'26	24°27	23°55	10°49	10°20	24°46	2°48	25°20	7°59	2°46	20°43	21°56	4°38	n.a.	M 7
T 8	12 43 13	12°21'16	8♊ 0	25°43	12° 1	10°58	24°43	2°46	25°23	8° 1	2°47	20°40	21°52	4°45	n.a.	T 8
W 9	12 47 9	13°19'04	21° 5	27°33	13°13	11°36	24°39	2°44	25°26	8° 4	2°48	20°D40	21°49	4°52	n.a.	W 9
T 10	12 51 6	14°16'51	3♋46	29°25	14°25	12°14	24°36	2°42	25°28	8° 6	2°49	20°40	21°46	4°59	n.a.	T 10
F 11	12 55 3	15°14'36	16° 8	1♈19	15°37	12°52	24°34	2°39	25°31	8° 8	2°49	20°R40	21°43	5° 5	n.a.	F 11
S 12	12 58 59	16°12'19	28°14	3°15	16°49	13°30	24°31	2°37	25°33	8°10	2°50	20°40	21°40	5°12	n.a.	S 12
S 13	13 2 56	17°10'00	10♌11	5°13	18° 1	14° 7	24°28	2°35	25°35	8°13	2°51	20°37	21°37	5°19	n.a.	S 13
M14	13 6 52	18° 7'39	22° 3	7°12	19°13	14°45	24°26	2°32	25°38	8°15	2°51	20°32	21°33	5°26	n.a.	M14
T 15	13 10 49	19° 5'17	3♍54	9°14	20°25	15°22	24°24	2°30	25°40	8°17	2°52	20°25	21°30	5°32	n.a.	T 15
W16	13 14 45	20° 2'53	15°48	11°17	21°37	16° 0	24°22	2°27	25°42	8°19	2°52	20°15	21°27	5°39	n.a.	W16
T 17	13 18 42	21° 0'28	27°47	13°21	22°50	16°37	24°20	2°25	25°45	8°21	2°53	20° 5	21°24	5°46	n.a.	T 17
F 18	13 22 38	21°58'01	9♎53	15°27	24° 2	17°14	24°19	2°22	25°47	8°24	2°53	19°54	21°21	5°52	n.a.	F 18
S 19	13 26 35	22°55'33	22° 8	17°35	25°14	17°51	24°17	2°19	25°49	8°26	2°54	19°44	21°17	5°59	n.a.	S 19
S 20	13 30 32	23°53'04	4♏33	19°44	26°26	18°28	24°16	2°16	25°51	8°28	2°54	19°35	21°14	6° 6	n.a.	S 20
M21	13 34 28	24°50'33	17° 8	21°53	27°38	19° 4	24°15	2°13	25°54	8°30	2°55	19°29	21°11	6°13	n.a.	M21
T 22	13 38 25	25°48'01	29°53	24° 4	28°51	19°41	24°14	2°10	25°56	8°32	2°55	19°25	21° 8	6°19	n.a.	T 22
W23	13 42 21	26°45'29	12♐51	26°15	0♈ 3	20°18	24°13	2° 7	25°58	8°35	2°56	19°23	21° 5	6°26	n.a.	W23
T 24	13 46 18	27°42'55	26° 1	28°26	1°15	20°54	24°13	2° 4	26° 0	8°37	2°56	19°D23	21° 2	6°33	n.a.	T 24
F 25	13 50 14	28°40'20	9♑25	0♉38	2°28	21°30	24°13	2° 1	26° 2	8°39	2°56	19°24	20°58	6°39	n.a.	F 25
S 26	13 54 11	29°37'45	23° 6	2°49	3°40	22° 6	24°D12	1°57	26° 4	8°41	2°57	19°R25	20°55	6°46	n.a.	S 26
S 27	13 58 7	0♉35'09	7♒ 3	5° 0	4°52	22°42	24°12	1°54	26° 6	8°43	2°57	19°25	20°52	6°53	n.a.	S 27
M28	14 2 4	1°32'32	21°16	7°10	6° 5	23°18	24°13	1°51	26° 7	8°45	2°57	19°23	20°49	7° 0	n.a.	M28
T 29	14 6 1	2°29'54	5♓45	9°19	7°17	23°54	24°13	1°47	26° 9	8°47	2°58	19°19	20°46	7° 6	n.a.	T 29
W30	14 9 57	3♉27'15	20♓24	11♉27	8♈30	24♉29	24♌14	1♐44	26♒11	8♈49	2♒58	19♐14	20♐43	7♍13	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n15	8s47	4n32	8s49	2s33	11s38	1s25	24s31	0s56	14n51	1n38	19s31	1n32	14s 2	0s44	1n22	1s55	31s25	11s58	23s29	23s31	5n38		n.a.
W 2	2 38	3 0	4 56	8 8	2 31	11 13	1 27	24 31	0 58	14 52	1 38	19 31	1 32	14 1	0 44	1 23	1 55	31 26	11 58	23 28	23 31	5 35		n.a.
T 3	3 1	3n 0	5 0	7 27	2 28	10 47	1 28	24 31	1 0	14 53	1 38	19 30	1 32	14 0	0 44	1 24	1 55	31 26	11 59	23 27	23 31	5 32		n.a.
F 4	3 25	8 47	4 43	6 44	2 24	10 21	1 29	24 30	1 2	14 54	1 38	19 30	1 32	13 59	0 44	1 25	1 55	31 26	11 59	23 27	23 30	5 30		n.a.
S 5	3 48	13 59	4 8	6 0	2 20	9 55	1 31	24 30	1 4	14 55	1 38	19 30	1 32	13 58	0 45	1 26	1 55	31 26	11 59	23 26	23 30	5 27		n.a.
S 6	4 11	18 14	3 16	5 14	2 16	9 29	1 32	24 29	1 6	14 57	1 38	19 29	1 32	13 57	0 45	1 26	1 55	31 26	12 0	23 25	23 30	5 24		n.a.
M 7	4 34	21 18	2 14	4 27	2 11	9 2	1 33	24 28	1 8	14 58	1 37	19 29	1 32	13 56	0 45	1 27	1 55	31 26	12 0	23 25	23 30	5 22		n.a.
T 8	4 57	23 1	1 7	3 38	2 5	8 35	1 34	24 27	1 10	14 58	1 37	19 28	1 32	13 55	0 45	1 28	1 55	31 26	12 0	23 25	23 30	5 19		n.a.
W 9	5 19	23 24	0s 2	2 48	1 59	8 8	1 35	24 25	1 12	14 59	1 37	19 28	1 32	13 55	0 45	1 29	1 55	31 26	12 1	23 25	23 29	5 16		n.a.
T 10	5 42	22 32	1 9	1 57	1 53	7 41	1 36	24 24	1 14	15 0	1 37	19 27	1 32	13 54	0 45	1 30	1 55	31 26	12 1	23 25	23 29	5 14		n.a.
F 11	6 5	20 35	2 11	1 5	1 46	7 13	1 36	24 22	1 16	15 1	1 36	19 27	1 32	13 53	0 45	1 31	1 55	31 27	12 1	23 25	23 29	5 11		n.a.
S 12	6 27	17 45	3 6	0 11	1 38	6 45	1 37	24 20	1 18	15 2	1 36	19 27	1 32	13 52	0 45	1 32	1 55	31 27	12 2	23 25	23 29	5 8		n.a.
S 13	6 50	14 12	3 52	0n43	1 30	6 17	1 38	24 18	1 20	15 2	1 36	19 26	1 32	13 51	0 45	1 33	1 55	31 27	12 2	23 25	23 29	5 5		n.a.
M14	7 12	10 7	4 27	1 39	1 21	5 49	1 38	24 16	1 22	15 3	1 36	19 25	1 32	13 50	0 45	1 34	1 55	31 27	12 2	23 24	23 28	5 3		n.a.
T 15	7 34	5 41	4 51	2 36	1 13	5 21	1 39	24 14	1 24	15 3	1 36	19 25	1 33	13 50	0 45	1 34	1 55	31 27	12 3	23 24	23 28	5 0		n.a.
W16	7 56	1 2	5 3	3 33	1 3	4 53	1 39	24 12	1 26	15 4	1 35	19 24	1 33	13 49	0 45	1 35	1 55	31 27	12 3	23 23	23 28	4 57		n.a.
T 17	8 18	3s42	5 1	4 31	0 54	4 24	1 39	24 9	1 28	15 4	1 35	19 24	1 33	13 48	0 45	1 36	1 55	31 28	12 3	23 22	23 28	4 55		n.a.
F 18	8 40	8 20	4 46	5 29	0 44	3 55	1 40	24 7	1 30	15 5	1 35	19 23	1 33	13 47	0 45	1 37	1 55	31 28	12 4	23 21	23 28	4 52		n.a.
S 19	9 1	12 42	4 17	6 28	0 34	3 26	1 40	24 4	1 32	15 5	1 35	19 23	1 33	13 47	0 45	1 38	1 55	31 28	12 4	23 21	23 27	4 49		n.a.
S 20	9 23	16 35	3 36	7 27	0 23	2 57	1 40	24 1	1 35	15 5	1 34	19 22	1 33	13 46	0 45	1 39	1 55	31 28	12 4	23 20	23 27	4 47		n.a.
M21	9 44	19 47	2 44	8 26	0 13	2 28	1 40	23 58	1 37	15 5	1 34	19 21	1 33	13 45	0 45	1 40	1 55	31 28	12 5	23 19	23 27	4 44		n.a.
T 22	10 6	22 3	1 43	9 25	0 2	1 59	1 40	23 55	1 39	15 5	1 34	19 21	1 33	13 45	0 45	1 40	1 55	31 29	12 5	23 19	23 27	4 41		n.a.
W23	10 27	23 13	0 35	10 23	0n 8	1 30	1 40	23 52	1 41	15 5	1 34	19 20	1 33	13 44	0 45	1 41	1 55	31 29	12 5	23 19	23 27	4 39		n.a.
T 24	10 48	23 6	0n36	11 21	0 19	1 1	1 39	23 48	1 44	15 5	1 34	19 20	1 33	13 43	0 45	1 42	1 55	31 29	12 6	23 19	23 26	4 36		n.a.
F 25	11 8	21 39	1 46	12 18	0 29	0 31	1 39	23 45	1 46	15 5	1 33	19 19	1 33	13 43	0 45	1 43	1 55	31 29	12 6	23 19	23 26	4 33		n.a.
S 26	11 29	18 56	2 51	13 13	0 39	0 2	1 39	23 41	1 48	15 5	1 33	19 18	1 33	13 42	0 45	1 44	1 55	31 30	12 6	23 19	23 26	4 31		n.a.
S 27	11 49	15 4	3 48	14 8	0 49	0n28	1 38	23 38	1 51	15 5	1 33	19 17	1 33	13 41	0 45	1 45	1 55	31 30	12 7	23 19	23 26	4 28		n.a.
M28	12 10	10 18	4 32	15 0	0 59	0 57	1 38	23 34	1 53	15 4	1 33	19 17	1 33	13 41	0 45	1 45	1 55	31 30	12 7	23 19	23 25	4 25		n.a.
T 29	12 30	4 53	4 59	15 51	1 8	1 26	1 37	23 30	1 55	15 4	1 32	19 16	1 33	13 40	0 45	1 46	1 55	31 30	12 7	23 19	23 25	4 22		n.a.
W30	12n50	0n51	5n 8	16n40	1n17	1n56	1s37	23s26	1s58	15n 4	1n32	19s15	1n33	13s40	0s45	1n47	1s55	31s31	12s 8	23s18	23s25	4n20		n.a.

Julian Day Number = 1565186.5, Delta T = 04h21m28s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'47, Lahiri = - 9°51'46 Julian Calendar 1 Apr. 428 BCE == Greg. Calendar 27 March 428 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

MAY 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 13 54	4♉24'36	5♈ 8	13♉34	9♈42	25♋ 5	24♌14	1°R40	26♒13	8♈52	2♒58	19°R 8	20♐39	7♍20	n.a.	T 1
F 2	14 17 50	5°21'56	19°50	15°39	10°55	25°40	24°15	1♐36	26°14	8°54	2°58	19♐ 1	20°36	7°26	n.a.	F 2
S 3	14 21 47	6°19'15	4♉22	17°41	12° 7	26°15	24°16	1°33	26°16	8°56	2°58	18°55	20°33	7°33	n.a.	S 3
S 4	14 25 43	7°16'33	18°37	19°42	13°20	26°50	24°18	1°29	26°18	8°58	2°59	18°50	20°30	7°40	n.a.	S 4
M 5	14 29 40	8°13'51	2♊31	21°41	14°32	27°24	24°19	1°25	26°19	9° 0	2°59	18°47	20°27	7°47	n.a.	M 5
T 6	14 33 36	9°11'07	16° 1	23°38	15°45	27°59	24°21	1°21	26°21	9° 2	2°59	18°D46	20°23	7°53	n.a.	T 6
W 7	14 37 33	10° 8'23	29° 7	25°32	16°57	28°33	24°23	1°17	26°22	9° 4	2°59	18°47	20°20	8° 0	n.a.	W 7
T 8	14 41 30	11° 5'38	11♋51	27°24	18°10	29° 7	24°25	1°13	26°24	9° 6	2°59	18°48	20°17	8° 7	n.a.	T 8
F 9	14 45 26	12° 2'51	24°15	29°14	19°23	29°41	24°27	1° 9	26°25	9° 8	2°R59	18°49	20°14	8°14	n.a.	F 9
S 10	14 49 23	13° 0'04	6♌24	1♊ 1	20°35	0♒14	24°29	1° 5	26°26	9°10	2°59	18°51	20°11	8°20	n.a.	S 10
S 11	14 53 19	13°57'16	18°23	2°46	21°48	0°48	24°32	1° 1	26°28	9°12	2°59	18°R51	20° 8	8°27	n.a.	S 11
M12	14 57 16	14°54'26	0♍17	4°28	23° 1	1°21	24°34	0°57	26°29	9°14	2°59	18°49	20° 4	8°34	n.a.	M12
T 13	15 1 12	15°51'36	12° 9	6° 7	24°13	1°54	24°37	0°53	26°30	9°15	2°59	18°47	20° 1	8°40	n.a.	T 13
W14	15 5 9	16°48'46	24° 6	7°44	25°26	2°27	24°40	0°49	26°31	9°17	2°59	18°43	19°58	8°47	n.a.	W14
T 15	15 9 5	17°45'54	6♎ 9	9°19	26°39	2°59	24°43	0°45	26°32	9°19	2°58	18°38	19°55	8°54	n.a.	T 15
F 16	15 13 2	18°43'02	18°22	10°51	27°51	3°32	24°47	0°40	26°34	9°21	2°58	18°33	19°52	9° 1	n.a.	F 16
S 17	15 16 59	19°40'09	0♏48	12°20	29° 4	4° 4	24°50	0°36	26°35	9°23	2°58	18°28	19°48	9° 7	n.a.	S 17
S 18	15 20 55	20°37'16	13°26	13°47	0♑17	4°35	24°54	0°32	26°36	9°25	2°58	18°24	19°45	9°14	n.a.	S 18
M19	15 24 52	21°34'22	26°19	15°11	1°30	5° 7	24°58	0°28	26°36	9°26	2°58	18°21	19°42	9°21	n.a.	M19
T 20	15 28 48	22°31'28	9♐25	16°32	2°42	5°38	25° 2	0°23	26°37	9°28	2°57	18°20	19°39	9°27	n.a.	T 20
W21	15 32 45	23°28'34	22°44	17°51	3°55	6° 9	25° 6	0°19	26°38	9°30	2°57	18°D20	19°36	9°34	n.a.	W21
T 22	15 36 41	24°25'40	6♋16	19° 7	5° 8	6°40	25°10	0°15	26°39	9°32	2°57	18°21	19°33	9°41	n.a.	T 22
F 23	15 40 38	25°22'45	19°59	20°20	6°21	7°10	25°15	0°10	26°40	9°33	2°57	18°22	19°29	9°48	n.a.	F 23
S 24	15 44 35	26°19'51	3♒53	21°30	7°34	7°41	25°19	0° 6	26°40	9°35	2°56	18°23	19°26	9°54	n.a.	S 24
S 25	15 48 31	27°16'56	17°56	22°37	8°47	8°10	25°24	0° 1	26°41	9°37	2°56	18°24	19°23	10° 1	n.a.	S 25
M26	15 52 28	28°14'02	2♓ 7	23°41	10° 0	8°40	25°29	29♏57	26°42	9°38	2°55	18°R24	19°20	10° 8	n.a.	M26
T 27	15 56 24	29°11'08	16°24	24°42	11°13	9° 9	25°34	29°53	26°42	9°40	2°55	18°24	19°17	10°15	n.a.	T 27
W28	16 0 21	0♊ 8'14	0♈44	25°40	12°26	9°38	25°39	29°48	26°43	9°42	2°55	18°22	19°14	10°21	n.a.	W28
T 29	16 4 17	1° 5'21	15° 3	26°35	13°39	10° 7	25°45	29°44	26°43	9°43	2°54	18°20	19°10	10°28	n.a.	T 29
F 30	16 8 14	2° 2'27	29°18	27°26	14°52	10°35	25°50	29°39	26°44	9°45	2°54	18°18	19° 7	10°35	n.a.	F 30
S 31	16 12 10	2♊59'34	13♉23	28♊14	16♉ 5	11♒ 2	25♌56	29♏35	26♒44	9♈46	2♒53	18♐16	19♐ 4	10♍41	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13n 9	6n35	4n56	17n27	1n25	2n25	1s36	23s22	2s 0	15n 3	1n32	19s15	1n33	13s39	0s45	1n48	1s55	31s31	12s 8	23s18	23s25	4n17			n.a.
F 2	13 29	11 56	4 25	18 12	1 32	2 55	1 35	23 18	2 3	15 3	1 32	19 14	1 33	13 38	0 45	1 49	1 55	31 31	12 8	23 17	23 25	4 14			n.a.
S 3	13 48	16 32	3 37	18 55	1 39	3 24	1 34	23 13	2 5	15 2	1 31	19 13	1 33	13 38	0 45	1 49	1 55	31 31	12 9	23 17	23 24	4 12			n.a.
S 4	14 7	20 5	2 36	19 35	1 45	3 54	1 34	23 9	2 8	15 1	1 31	19 12	1 33	13 37	0 45	1 50	1 55	31 32	12 9	23 16	23 24	4 9			n.a.
M 5	14 26	22 21	1 27	20 12	1 51	4 23	1 33	23 5	2 10	15 1	1 31	19 12	1 33	13 37	0 45	1 51	1 55	31 32	12 9	23 16	23 24	4 6			n.a.
T 6	14 44	23 15	0 15	20 47	1 56	4 52	1 32	23 0	2 13	15 0	1 31	19 11	1 33	13 36	0 46	1 52	1 55	31 32	12 10	23 16	23 24	4 4			n.a.
W 7	15 3	22 49	0s56	21 20	2 0	5 21	1 30	22 56	2 16	14 59	1 30	19 10	1 33	13 36	0 46	1 53	1 55	31 33	12 10	23 16	23 23	4 1			n.a.
T 8	15 21	21 11	2 2	21 50	2 4	5 50	1 29	22 51	2 18	14 58	1 30	19 9	1 33	13 35	0 46	1 53	1 55	31 33	12 11	23 16	23 23	3 58			n.a.
F 9	15 39	18 34	3 1	22 18	2 7	6 19	1 28	22 46	2 21	14 57	1 30	19 8	1 33	13 35	0 46	1 54	1 55	31 33	12 11	23 16	23 23	3 56			n.a.
S 10	15 56	15 12	3 50	22 43	2 9	6 48	1 27	22 42	2 23	14 56	1 30	19 8	1 33	13 35	0 46	1 55	1 55	31 34	12 11	23 16	23 23	3 53			n.a.
S 11	16 14	11 15	4 29	23 6	2 10	7 17	1 26	22 37	2 26	14 55	1 29	19 7	1 33	13 34	0 46	1 56	1 55	31 34	12 12	23 16	23 22	3 50			n.a.
M12	16 31	6 55	4 56	23 27	2 11	7 45	1 24	22 32	2 29	14 54	1 29	19 6	1 33	13 34	0 46	1 56	1 55	31 34	12 12	23 16	23 22	3 48			n.a.
T 13	16 48	2 19	5 10	23 45	2 10	8 14	1 23	22 27	2 32	14 53	1 29	19 5	1 33	13 33	0 46	1 57	1 55	31 35	12 12	23 16	23 22	3 45			n.a.
W14	17 4	2s22	5 10	24 1	2 10	8 42	1 21	22 22	2 34	14 51	1 29	19 4	1 33	13 33	0 46	1 58	1 55	31 35	12 13	23 16	23 22	3 42			n.a.
T 15	17 21	7 1	4 57	24 14	2 8	9 10	1 20	22 17	2 37	14 50	1 28	19 3	1 33	13 33	0 46	1 58	1 55	31 35	12 13	23 15	23 21	3 40			n.a.
F 16	17 37	11 27	4 31	24 26	2 6	9 38	1 18	22 12	2 40	14 49	1 28	19 3	1 33	13 32	0 46	1 59	1 56	31 36	12 13	23 15	23 21	3 37			n.a.
S 17	17 53	15 30	3 51	24 36	2 3	10 6	1 16	22 7	2 43	14 47	1 28	19 2	1 33	13 32	0 46	2 0	1 56	31 36	12 14	23 14	23 21	3 34			n.a.
S 18	18 8	18 55	3 0	24 43	1 59	10 33	1 15	22 2	2 46	14 46	1 28	19 1	1 33	13 32	0 46	2 0	1 56	31 37	12 14	23 14	23 21	3 32			n.a.
M19	18 23	21 29	1 58	24 49	1 55	11 0	1 13	21 57	2 48	14 44	1 27	19 0	1 33	13 31	0 46	2 1	1 56	31 37	12 14	23 14	23 20	3 29			n.a.
T 20	18 38	22 57	0 49	24 53	1 50	11 27	1 11	21 52	2 51	14 43	1 27	18 59	1 32	13 31	0 46	2 2	1 56	31 37	12 15	23 14	23 20	3 26			n.a.
W21	18 53	23 8	0n24	24 55	1 44	11 54	1 9	21 47	2 54	14 41	1 27	18 58	1 32	13 31	0 46	2 2	1 56	31 38	12 15	23 14	23 20	3 24			n.a.
T 22	19 7	21 59	1 37	24 55	1 38	12 20	1 8	21 42	2 57	14 39	1 27	18 57	1 32	13 31	0 46	2 3	1 56	31 38	12 15	23 14	23 20	3 21			n.a.
F 23	19 21	19 31	2 45	24 54	1 31	12 47	1 6	21 37	3 0	14 38	1 27	18 57	1 32	13 30	0 46	2 4	1 56	31 38	12 16	23 14	23 19	3 18			n.a.
S 24	19 35	15 53	3 45	24 52	1 24	13 13	1 4	21 32	3 3	14 36	1 26	18 56	1 32	13 30	0 46	2 4	1 56	31 39	12 16	23 14	23 19	3 16			n.a.
S 25	19 48	11 21	4 32	24 48	1 15	13 38	1 2	21 27	3 6	14 34	1 26	18 55	1 32	13 30	0 46	2 5	1 56	31 39	12 16	23 14	23 19	3 13			n.a.
M26	20 1	6 9	5 2	24 42	1 7	14 3	1 0	21 22	3 9	14 32	1 26	18 54	1 32	13 30	0 46	2 6	1 56	31 40	12 17	23 14	23 19	3 10			n.a.
T 27	20 14	0 36	5 15	24 36	0 57	14 28	0 58	21 17	3 12	14 30	1 26	18 53	1 32	13 30	0 46	2 6	1 56	31 40	12 17	23 14	23 18	3 8			n.a.
W28	20 26	4n59	5 8	24 28	0 47	14 53	0 55	21 12	3 15	14 28	1 25	18 52	1 32	13 30	0 46	2 7	1 56	31 41	12 17	23 14	23 18	3 5			n.a.
T 29	20 38	10 19	4 42	24 19	0 37	15 17	0 53	21 7	3 18	14 26	1 25	18 51	1 32	13 30	0 46	2 7	1 56	31 41	12 18	23 14	23 18	3 2			n.a.
F 30	20 50	15 4	3 58	24 9	0 26	15 41	0 51	21 2	3 22	14 24	1 25	18 51	1 32	13 29	0 46	2 8	1 56	31 41	12 18	23 13	23 18	2 59			n.a.
S 31	21n 2	18n55	3n 1	23n58	0n14	16n 5	0s49	20s57	3s25	14n22	1n25	18s50	1n32	13s29	0s46	2n 8	1s56	31s42	12s18	23s13	23s17	2n57			n.a.

Julian Day Number = 1565216.5, Delta T = 04h21m26s
Ecliptic obliquity = 23°44'48, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'43, Lahiri = - 9°51'42 Julian Calendar 1 May 428 BCE == Greg. Calendar 26 Apr. 428 BCE

The year -427 astronomical counting style corresponds to year 428 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

JUNE 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 16 7	3♊56'41	27♉15	28♊58	17♉18	11♒30	26♌ 2	29°R31	26♒44	9♈48	2°R53	18°R15	19♐ 1	10♍48	n.a.	S 1
M 2	16 20 4	4°53'49	10♊51	29°39	18°31	11°57	26° 8	29♏26	26°44	9°49	2♒52	18♐14	18°58	10°55	n.a.	M 2
T 3	16 24 0	5°50'56	24° 9	0♋15	19°44	12°23	26°14	29°22	26°45	9°51	2°51	18°D14	18°54	11° 2	n.a.	T 3
W 4	16 27 57	6°48'03	7♋ 7	0°48	20°57	12°50	26°20	29°18	26°45	9°52	2°51	18°15	18°51	11° 8	n.a.	W 4
T 5	16 31 53	7°45'11	19°47	1°16	22°11	13°16	26°27	29°13	26°45	9°53	2°50	18°15	18°48	11°15	n.a.	T 5
F 6	16 35 50	8°42'18	2♌10	1°40	23°24	13°41	26°33	29° 9	26°45	9°55	2°50	18°16	18°45	11°22	n.a.	F 6
S 7	16 39 46	9°39'26	14°20	2° 0	24°37	14° 6	26°40	29° 5	26°R45	9°56	2°49	18°17	18°42	11°28	n.a.	S 7
S 8	16 43 43	10°36'33	26°20	2°15	25°50	14°30	26°47	29° 0	26°45	9°57	2°48	18°18	18°39	11°35	n.a.	S 8
M 9	16 47 39	11°33'40	8♍15	2°26	27° 4	14°54	26°54	28°56	26°45	9°59	2°48	18°R18	18°35	11°42	n.a.	M 9
T 10	16 51 36	12°30'48	20° 8	2°31	28°17	15°18	27° 1	28°52	26°45	10° 0	2°47	18°18	18°32	11°49	n.a.	T 10
W11	16 55 33	13°27'56	2♎ 6	2°R32	29°30	15°41	27° 8	28°48	26°45	10° 1	2°46	18°18	18°29	11°55	n.a.	W11
T 12	16 59 29	14°25'04	14°11	2°29	0♊43	16° 4	27°15	28°44	26°44	10° 2	2°45	18°17	18°26	12° 2	n.a.	T 12
F 13	17 3 26	15°22'12	26°28	2°20	1°57	16°26	27°23	28°40	26°44	10° 4	2°45	18°17	18°23	12° 9	n.a.	F 13
S 14	17 7 22	16°19'20	9♏ 0	2° 7	3°10	16°48	27°30	28°35	26°44	10° 5	2°44	18°17	18°20	12°16	n.a.	S 14
S 15	17 11 19	17°16'29	21°50	1°49	4°24	17° 9	27°38	28°31	26°43	10° 6	2°43	18°16	18°16	12°22	n.a.	S 15
M16	17 15 15	18°13'38	4♐58	1°27	5°37	17°29	27°46	28°27	26°43	10° 7	2°42	18°D16	18°13	12°29	n.a.	M16
T 17	17 19 12	19°10'48	18°25	1° 0	6°51	17°49	27°54	28°23	26°43	10° 8	2°41	18°R16	18°10	12°36	n.a.	T 17
W18	17 23 8	20° 7'59	2♑ 9	0°29	8° 4	18° 9	28° 2	28°19	26°42	10° 9	2°40	18°16	18° 7	12°42	n.a.	W18
T 19	17 27 5	21° 5'10	16° 7	29♊55	9°18	18°28	28°10	28°16	26°42	10°10	2°40	18°16	18° 4	12°49	n.a.	T 19
F 20	17 31 2	22° 2'22	0♒16	29°18	10°31	18°46	28°18	28°12	26°41	10°11	2°39	18°16	18° 0	12°56	n.a.	F 20
S 21	17 34 58	22°59'35	14°33	28°39	11°45	19° 4	28°27	28° 8	26°40	10°12	2°38	18°15	17°57	13° 3	n.a.	S 21
S 22	17 38 55	23°56'49	28°53	27°58	12°58	19°21	28°35	28° 4	26°40	10°13	2°37	18°15	17°54	13° 9	n.a.	S 22
M23	17 42 51	24°54'04	13♓12	27°15	14°12	19°38	28°44	28° 1	26°39	10°14	2°36	18°15	17°51	13°16	n.a.	M23
T 24	17 46 48	25°51'20	27°27	26°32	15°25	19°54	28°53	27°57	26°38	10°15	2°35	18°D14	17°48	13°23	n.a.	T 24
W25	17 50 44	26°48'37	11♈36	25°49	16°39	20° 9	29° 2	27°53	26°37	10°16	2°34	18°15	17°45	13°30	n.a.	W25
T 26	17 54 41	27°45'55	25°36	25° 8	17°53	20°24	29°11	27°50	26°36	10°16	2°33	18°15	17°41	13°36	n.a.	T 26
F 27	17 58 38	28°43'15	9♉26	24°28	19° 7	20°38	29°20	27°46	26°35	10°17	2°32	18°16	17°38	13°43	n.a.	F 27
S 28	18 2 34	29°40'35	23° 4	23°51	20°20	20°51	29°29	27°43	26°35	10°18	2°31	18°17	17°35	13°50	n.a.	S 28
S 29	18 6 31	0♋37'57	6♊30	23°17	21°34	21° 3	29°38	27°40	26°34	10°18	2°30	18°18	17°32	13°56	n.a.	S 29
M30	18 10 27	1♋35'20	19♊43	22♊47	22♊48	21♒15	29♌47	27♏36	26♒32	10♈19	2♒29	18°R18	17♐29	14♍ 3	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n13	21n38	1n53	23n46	0n 2	16n28	0s47	20s53	3s28	14n19	1n25	18s49	1n32	13s29	0s47	2n 9	1s56	31s42	12s18	23s13	23s17	2n54		n.a.
M 2	21 23	23 2	0 41	23 34	0s11	16 51	0 45	20 48	3 31	14 17	1 24	18 48	1 32	13 29	0 47	2 10	1 56	31 43	12 19	23 13	23 17	2 51		n.a.
T 3	21 33	23 4	0s33	23 21	0 24	17 13	0 42	20 43	3 34	14 15	1 24	18 47	1 31	13 29	0 47	2 10	1 56	31 43	12 19	23 13	23 17	2 49		n.a.
W 4	21 43	21 51	1 43	23 7	0 37	17 35	0 40	20 39	3 38	14 13	1 24	18 46	1 31	13 29	0 47	2 11	1 56	31 44	12 19	23 13	23 16	2 46		n.a.
T 5	21 53	19 32	2 46	22 53	0 51	17 56	0 38	20 35	3 41	14 10	1 24	18 45	1 31	13 29	0 47	2 11	1 57	31 44	12 20	23 13	23 16	2 43		n.a.
F 6	22 2	16 22	3 40	22 38	1 6	18 17	0 35	20 30	3 44	14 8	1 23	18 45	1 31	13 29	0 47	2 12	1 57	31 44	12 20	23 13	23 16	2 41		n.a.
S 7	22 11	12 33	4 23	22 24	1 20	18 38	0 33	20 26	3 48	14 5	1 23	18 44	1 31	13 29	0 47	2 12	1 57	31 45	12 20	23 13	23 16	2 38		n.a.
S 8	22 19	8 18	4 54	22 9	1 35	18 58	0 31	20 22	3 51	14 3	1 23	18 43	1 31	13 29	0 47	2 12	1 57	31 45	12 21	23 13	23 15	2 36		n.a.
M 9	22 27	3 46	5 12	21 54	1 50	19 18	0 28	20 18	3 54	14 0	1 23	18 42	1 31	13 29	0 47	2 13	1 57	31 46	12 21	23 13	23 15	2 33		n.a.
T 10	22 35	0s53	5 17	21 38	2 5	19 37	0 26	20 14	3 58	13 57	1 23	18 41	1 31	13 29	0 47	2 13	1 57	31 46	12 21	23 13	23 15	2 30		n.a.
W11	22 42	5 32	5 8	21 23	2 20	19 55	0 23	20 10	4 1	13 55	1 22	18 40	1 31	13 29	0 47	2 14	1 57	31 47	12 21	23 13	23 14	2 28		n.a.
T 12	22 49	10 2	4 45	21 8	2 35	20 13	0 21	20 6	4 4	13 52	1 22	18 40	1 31	13 30	0 47	2 14	1 57	31 47	12 22	23 13	23 14	2 25		n.a.
F 13	22 56	14 12	4 9	20 54	2 50	20 31	0 19	20 3	4 8	13 49	1 22	18 39	1 30	13 30	0 47	2 15	1 57	31 48	12 22	23 13	23 14	2 22		n.a.
S 14	23 2	17 51	3 21	20 40	3 4	20 48	0 16	19 59	4 11	13 46	1 22	18 38	1 30	13 30	0 47	2 15	1 57	31 48	12 22	23 13	23 14	2 20		n.a.
S 15	23 8	20 44	2 21	20 26	3 18	21 4	0 14	19 56	4 15	13 43	1 22	18 37	1 30	13 30	0 47	2 15	1 57	31 49	12 23	23 13	23 13	2 17		n.a.
M16	23 13	22 36	1 13	20 13	3 31	21 20	0 11	19 53	4 18	13 40	1 21	18 37	1 30	13 30	0 47	2 16	1 57	31 49	12 23	23 13	23 13	2 14		n.a.
T 17	23 18	23 13	0n 1	20 1	3 44	21 35	0 9	19 50	4 22	13 37	1 21	18 36	1 30	13 30	0 47	2 16	1 57	31 49	12 23	23 13	23 13	2 12		n.a.
W18	23 22	22 28	1 16	19 49	3 56	21 50	0 6	19 47	4 25	13 34	1 21	18 35	1 30	13 31	0 47	2 17	1 57	31 50	12 23	23 13	23 12	2 9		n.a.
T 19	23 27	20 18	2 28	19 38	4 6	22 4	0 4	19 44	4 29	13 31	1 21	18 34	1 30	13 31	0 47	2 17	1 57	31 50	12 24	23 13	23 12	2 6		n.a.
F 20	23 30	16 54	3 32	19 29	4 16	22 17	0 1	19 41	4 32	13 28	1 21	18 34	1 29	13 31	0 47	2 17	1 57	31 51	12 24	23 13	23 12	2 4		n.a.
S 21	23 33	12 28	4 24	19 20	4 24	22 30	0n 1	19 39	4 36	13 25	1 20	18 33	1 29	13 31	0 47	2 18	1 57	31 51	12 24	23 13	23 12	2 1		n.a.
S 22	23 36	7 21	4 59	19 13	4 31	22 42	0 3	19 37	4 39	13 22	1 20	18 32	1 29	13 32	0 47	2 18	1 58	31 52	12 24	23 13	23 11	1 58		n.a.
M23	23 39	1 50	5 15	19 7	4 36	22 54	0 6	19 35	4 43	13 19	1 20	18 31	1 29	13 32	0 47	2 18	1 58	31 52	12 25	23 13	23 11	1 56		n.a.
T 24	23 41	3n45	5 13	19 3	4 40	23 4	0 8	19 33	4 46	13 16	1 20	18 31	1 29	13 32	0 47	2 18	1 58	31 53	12 25	23 13	23 11	1 53		n.a.
W25	23 42	9 5	4 51	19 0	4 41	23 15	0 11	19 31	4 50	13 12	1 20	18 30	1 29	13 33	0 47	2 19	1 58	31 53	12 25	23 13	23 10	1 50		n.a.
T 26	23 44	13 55	4 12	18 58	4 42	23 24	0 13	19 30	4 53	13 9	1 20	18 29	1 29	13 33	0 47	2 19	1 58	31 54	12 25	23 13	23 10	1 48		n.a.
F 27	23 44	17 57	3 19	18 58	4 40	23 33	0 15	19 29	4 57	13 6	1 19	18 29	1 28	13 33	0 48	2 19	1 58	31 54	12 25	23 13	23 10	1 45		n.a.
S 28	23 45	20 57	2 15	19 0	4 37	23 41	0 18	19 28	5 0	13 2	1 19	18 28	1 28	13 34	0 48	2 19	1 58	31 55	12 26	23 13	23 9	1 42		n.a.
S 29	23 45	22 44	1 5	19 3	4 32	23 49	0 20	19 27	5 4	12 59	1 19	18 28	1 28	13 34	0 48	2 20	1 58	31 55	12 26	23 13	23 9	1 40		n.a.
M30	23n44	23n13	0s 8	19n 8	4s25	23n55	0n22	19s26	5s 7	12n55	1n19	18s27	1n28	13s34	0s48	2n20	1s58	31s56	12s26	23s13	23s 9	1n37		n.a.

Julian Day Number = 1565247.5, Delta T = 04h21m25s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'39, Lahiri = - 9°51'38 Julian Calendar 1 June 428 BCE == Greg. Calendar 27 May 428 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

JULY 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 14 24	2♋32'45	2♋41	22°R22	24♊ 2	21♒26	29♌57	27°R33	26°R31	10♈20	2°R28	18°R18	17♐26	14♍10	n.a.	T 1
W 2	18 18 20	3°30'10	15°25	22♊ 2	25°16	21°36	0♍ 7	27♏30	26♒30	10°20	2♒27	18♐16	17°22	14°17	n.a.	W 2
T 3	18 22 17	4°27'36	27°56	21°47	26°30	21°46	0°16	27°27	26°29	10°21	2°26	18°14	17°19	14°23	n.a.	T 3
F 4	18 26 13	5°25'03	10♌14	21°38	27°43	21°55	0°26	27°24	26°28	10°22	2°24	18°12	17°16	14°30	n.a.	F 4
S 5	18 30 10	6°22'32	22°21	21°D36	28°57	22° 3	0°36	27°21	26°27	10°22	2°23	18° 9	17°13	14°37	n.a.	S 5
S 6	18 34 7	7°20'01	4♍19	21°40	0♋11	22°10	0°46	27°18	26°25	10°22	2°22	18° 7	17°10	14°43	n.a.	S 6
M 7	18 38 3	8°17'31	16°13	21°51	1°25	22°16	0°56	27°15	26°24	10°23	2°21	18° 4	17° 6	14°50	n.a.	M 7
T 8	18 42 0	9°15'02	28° 6	22° 8	2°39	22°22	1° 6	27°13	26°23	10°23	2°20	18° 3	17° 3	14°57	n.a.	T 8
W 9	18 45 56	10°12'34	10♎ 2	22°33	3°53	22°27	1°16	27°10	26°21	10°24	2°19	18°D 3	17° 0	15° 4	n.a.	W 9
T 10	18 49 53	11°10'07	22° 6	23° 4	5° 7	22°31	1°27	27° 8	26°20	10°24	2°18	18° 3	16°57	15°10	n.a.	T 10
F 11	18 53 49	12° 7'42	4♏22	23°42	6°22	22°34	1°37	27° 5	26°18	10°24	2°16	18° 4	16°54	15°17	n.a.	F 11
S 12	18 57 46	13° 5'17	16°56	24°27	7°36	22°36	1°47	27° 3	26°17	10°25	2°15	18° 6	16°51	15°24	n.a.	S 12
S 13	19 1 42	14° 2'54	29°50	25°19	8°50	22°38	1°58	27° 0	26°15	10°25	2°14	18° 7	16°47	15°31	n.a.	S 13
M14	19 5 39	15° 0'32	13♐ 7	26°17	10° 4	22°R38	2° 9	26°58	26°13	10°25	2°13	18°R 8	16°44	15°37	n.a.	M14
T 15	19 9 36	15°58'11	26°48	27°21	11°18	22°38	2°19	26°56	26°12	10°25	2°12	18° 8	16°41	15°44	n.a.	T 15
W16	19 13 32	16°55'51	10♑52	28°32	12°32	22°37	2°30	26°54	26°10	10°25	2°10	18° 7	16°38	15°51	n.a.	W16
T 17	19 17 29	17°53'33	25°15	29°48	13°46	22°36	2°41	26°52	26° 8	10°25	2° 9	18° 4	16°35	15°57	n.a.	T 17
F 18	19 21 25	18°51'17	9♒52	1♋10	15° 1	22°33	2°52	26°50	26° 7	10°26	2° 8	18° 0	16°32	16° 4	n.a.	F 18
S 19	19 25 22	19°49'02	24°36	2°37	16°15	22°30	3° 3	26°48	26° 5	10°26	2° 7	17°55	16°28	16°11	n.a.	S 19
S 20	19 29 18	20°46'48	9♓20	4° 8	17°29	22°25	3°14	26°47	26° 3	10°R26	2° 5	17°51	16°25	16°18	n.a.	S 20
M21	19 33 15	21°44'37	23°56	5°45	18°44	22°20	3°25	26°45	26° 1	10°26	2° 4	17°47	16°22	16°24	n.a.	M21
T 22	19 37 11	22°42'27	8♈20	7°25	19°58	22°14	3°36	26°43	25°59	10°26	2° 3	17°45	16°19	16°31	n.a.	T 22
W23	19 41 8	23°40'20	22°28	9° 9	21°12	22° 8	3°48	26°42	25°57	10°25	2° 2	17°D44	16°16	16°38	n.a.	W23
T 24	19 45 5	24°38'14	6♉19	10°56	22°27	22° 0	3°59	26°41	25°56	10°25	2° 0	17°45	16°12	16°45	n.a.	T 24
F 25	19 49 1	25°36'10	19°53	12°46	23°41	21°52	4°10	26°39	25°54	10°25	1°59	17°46	16° 9	16°51	n.a.	F 25
S 26	19 52 58	26°34'09	3♊11	14°38	24°56	21°43	4°22	26°38	25°52	10°25	1°58	17°47	16° 6	16°58	n.a.	S 26
S 27	19 56 54	27°32'09	16°14	16°32	26°10	21°33	4°34	26°37	25°50	10°25	1°57	17°R48	16° 3	17° 5	n.a.	S 27
M28	20 0 51	28°30'11	29° 5	18°27	27°24	21°22	4°45	26°36	25°48	10°25	1°55	17°47	16° 0	17°11	n.a.	M28
T 29	20 4 47	29°28'16	11♋43	20°23	28°39	21°11	4°57	26°35	25°45	10°24	1°54	17°45	15°57	17°18	n.a.	T 29
W30	20 8 44	0♌26'22	24°11	22°20	29°54	20°59	5° 9	26°34	25°43	10°24	1°53	17°40	15°53	17°25	n.a.	W30
T 31	20 12 40	1♌24'29	6♌30	24♋18	1♌ 8	20♒46	5♍20	26♏34	25♒41	10♈24	1♒51	17♐34	15♐50	17♍32	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n43	22n24	1s19	19n15	4s17	24n 1	0n25	19s26	5s11	12n52	1n19	18s26	1n28	13s35	0s48	2n20	1s58	31s56	12s26	23s13	23s 9	1n34			n.a.
W 2	23 42	20 27	2 24	19 23	4 8	24 7	0 27	19 26	5 14	12 48	1 19	18 26	1 28	13 35	0 48	2 20	1 58	31 56	12 26	23 13	23 8	1 32			n.a.
T 3	23 40	17 33	3 22	19 33	3 57	24 11	0 29	19 26	5 18	12 44	1 18	18 25	1 27	13 36	0 48	2 20	1 58	31 57	12 27	23 13	23 8	1 29			n.a.
F 4	23 38	13 55	4 9	19 44	3 45	24 15	0 31	19 26	5 21	12 41	1 18	18 25	1 27	13 36	0 48	2 20	1 58	31 57	12 27	23 13	23 8	1 27			n.a.
S 5	23 35	9 46	4 44	19 56	3 33	24 18	0 34	19 27	5 25	12 37	1 18	18 24	1 27	13 37	0 48	2 21	1 58	31 58	12 27	23 13	23 7	1 24			n.a.
S 6	23 32	5 19	5 6	20 10	3 19	24 21	0 36	19 27	5 28	12 33	1 18	18 24	1 27	13 37	0 48	2 21	1 58	31 58	12 27	23 12	23 7	1 21			n.a.
M 7	23 29	0 41	5 14	20 25	3 5	24 22	0 38	19 28	5 31	12 30	1 18	18 23	1 27	13 38	0 48	2 21	1 59	31 59	12 27	23 12	23 7	1 19			n.a.
T 8	23 25	3s58	5 10	20 41	2 50	24 23	0 40	19 30	5 35	12 26	1 18	18 23	1 27	13 38	0 48	2 21	1 59	31 59	12 28	23 12	23 6	1 16			n.a.
W 9	23 21	8 29	4 52	20 58	2 35	24 23	0 42	19 31	5 38	12 22	1 18	18 23	1 26	13 39	0 48	2 21	1 59	32 0	12 28	23 12	23 6	1 13			n.a.
T 10	23 16	12 44	4 21	21 15	2 19	24 23	0 44	19 33	5 41	12 18	1 17	18 22	1 26	13 39	0 48	2 21	1 59	32 0	12 28	23 12	23 6	1 11			n.a.
F 11	23 11	16 33	3 38	21 33	2 3	24 22	0 46	19 35	5 45	12 14	1 17	18 22	1 26	13 40	0 48	2 21	1 59	32 1	12 28	23 12	23 5	1 8			n.a.
S 12	23 6	19 42	2 43	21 51	1 47	24 20	0 48	19 37	5 48	12 10	1 17	18 21	1 26	13 40	0 48	2 21	1 59	32 1	12 28	23 12	23 5	1 5			n.a.
S 13	23 0	21 59	1 39	22 8	1 31	24 17	0 50	19 39	5 51	12 6	1 17	18 21	1 26	13 41	0 48	2 21	1 59	32 1	12 28	23 12	23 5	1 3			n.a.
M14	22 53	23 7	0 28	22 26	1 16	24 13	0 52	19 42	5 54	12 2	1 17	18 21	1 26	13 41	0 48	2 21	1 59	32 2	12 28	23 13	23 5	1 0			n.a.
T 15	22 47	22 55	0n47	22 43	1 0	24 9	0 54	19 45	5 57	11 58	1 17	18 20	1 25	13 42	0 48	2 21	1 59	32 2	12 29	23 13	23 4	0 58			n.a.
W16	22 39	21 17	2 1	22 59	0 45	24 4	0 56	19 48	6 0	11 54	1 17	18 20	1 25	13 43	0 48	2 21	1 59	32 3	12 29	23 12	23 4	0 55			n.a.
T 17	22 32	18 16	3 9	23 15	0 30	23 58	0 57	19 51	6 2	11 50	1 16	18 20	1 25	13 43	0 48	2 21	1 59	32 3	12 29	23 12	23 4	0 52			n.a.
F 18	22 24	14 4	4 6	23 29	0 16	23 52	0 59	19 54	6 5	11 46	1 16	18 20	1 25	13 44	0 48	2 21	1 59	32 4	12 29	23 12	23 3	0 50			n.a.
S 19	22 16	9 0	4 46	23 41	0 2	23 45	1 1	19 58	6 8	11 42	1 16	18 19	1 25	13 44	0 48	2 21	1 59	32 4	12 29	23 11	23 3	0 47			n.a.
S 20	22 7	3 25	5 8	23 52	0n11	23 37	1 2	20 2	6 10	11 38	1 16	18 19	1 24	13 45	0 48	2 21	1 59	32 4	12 29	23 11	23 3	0 44			n.a.
M21	21 58	2n17	5 10	24 0	0 23	23 28	1 4	20 6	6 13	11 34	1 16	18 19	1 24	13 46	0 48	2 21	2 0	32 5	12 29	23 11	23 2	0 42			n.a.
T 22	21 48	7 48	4 52	24 7	0 35	23 19	1 5	20 10	6 15	11 29	1 16	18 19	1 24	13 46	0 48	2 21	2 0	32 5	12 29	23 10	23 2	0 39			n.a.
W23	21 39	12 48	4 16	24 11	0 45	23 9	1 7	20 14	6 17	11 25	1 16	18 19	1 24	13 47	0 48	2 21	2 0	32 6	12 30	23 10	23 2	0 37			n.a.
T 24	21 28	17 2	3 26	24 13	0 55	22 58	1 8	20 19	6 19	11 21	1 16	18 18	1 24	13 48	0 48	2 21	2 0	32 6	12 30	23 10	23 1	0 34			n.a.
F 25	21 18	20 16	2 26	24 12	1 4	22 47	1 10	20 24	6 21	11 16	1 16	18 18	1 23	13 48	0 48	2 21	2 0	32 6	12 30	23 11	23 1	0 31			n.a.
S 26	21 7	22 21	1 19	24 8	1 13	22 35	1 11	20 28	6 23	11 12	1 15	18 18	1 23	13 49	0 48	2 21	2 0	32 7	12 30	23 11	23 1	0 29			n.a.
S 27	20 55	23 10	0 8	24 2	1 20	22 22	1 12	20 33	6 25	11 8	1 15	18 18	1 23	13 50	0 48	2 20	2 0	32 7	12 30	23 11	23 0	0 26			n.a.
M28	20 43	22 44	1s 1	23 53	1 26	22 9	1 13	20 38	6 27	11 3	1 15	18 18	1 23	13 51	0 48	2 20	2 0	32 8	12 30	23 11	23 0	0 24			n.a.
T 29	20 31	21 8	2 6	23 41	1 32	21 55	1 15	20 44	6 28	10 59	1 15	18 18	1 23	13 51	0 48	2 20	2 0	32 8	12 30	23 10	23 0	0 21			n.a.
W30	20 19	18 32	3 4	23 27	1 36	21 40	1 16	20 49	6 29	10 54	1 15	18 18	1 22	13 52	0 48	2 20	2 0	32 8	12 30	23 10	22 59	0 18			n.a.
T 31	20n 6	15n 8	3s52	23n10	1n40	21n24	1n17	20s54	6s30	10n50	1n15	18s18	1n22	13s53	0s48	2n20	2s 0	32s 9	12s30	23s 9	22s59	0n16			n.a.

Julian Day Number = 1565277.5, Delta T = 04h21m24s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'34, Lahiri = - 9°51'34 Julian Calendar 1 July 428 BCE == Greg. Calendar 26 June 428 BCE

The year -427 astronomical counting style corresponds to year 428 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

AUGUST 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 16 37	2♌22'39	18♌39	26♋15	2♌23	20°R33	5♍32	26°R33	25°R39	10°R23	1°R50	17°R26	15♐47	17♍38	n.a.	F 1
S 2	20 20 34	3°20'50	0♍41	28°13	3°37	20♒19	5°44	26♏33	25♒37	10♈23	1♒49	17♐17	15°44	17°45	n.a.	S 2
S 3	20 24 30	4°19'03	12°36	0♌10	4°52	20° 5	5°56	26°32	25°35	10°22	1°48	17° 9	15°41	17°52	n.a.	S 3
M 4	20 28 27	5°17'18	24°28	2° 7	6° 6	19°50	6° 8	26°32	25°33	10°22	1°46	17° 1	15°38	17°59	n.a.	M 4
T 5	20 32 23	6°15'34	6♎19	4° 3	7°21	19°35	6°20	26°32	25°30	10°21	1°45	16°55	15°34	18° 5	n.a.	T 5
W 6	20 36 20	7°13'52	18°13	5°59	8°36	19°19	6°32	26°32	25°28	10°21	1°44	16°51	15°31	18°12	n.a.	W 6
T 7	20 40 16	8°12'12	0♏14	7°53	9°50	19° 3	6°45	26°D32	25°26	10°20	1°42	16°49	15°28	18°19	n.a.	T 7
F 8	20 44 13	9°10'34	12°27	9°47	11° 5	18°47	6°57	26°32	25°23	10°20	1°41	16°D49	15°25	18°25	n.a.	F 8
S 9	20 48 9	10° 8'57	24°56	11°40	12°20	18°30	7° 9	26°32	25°21	10°19	1°40	16°49	15°22	18°32	n.a.	S 9
S 10	20 52 6	11° 7'22	7♐47	13°31	13°34	18°13	7°21	26°32	25°19	10°18	1°39	16°50	15°18	18°39	n.a.	S 10
M11	20 56 3	12° 5'49	21° 4	15°22	14°49	17°56	7°34	26°33	25°17	10°18	1°37	16°R51	15°15	18°46	n.a.	M11
T 12	20 59 59	13° 4'17	4♑49	17°12	16° 4	17°39	7°46	26°33	25°14	10°17	1°36	16°49	15°12	18°52	n.a.	T 12
W13	21 3 56	14° 2'48	19° 1	19° 0	17°19	17°22	7°58	26°34	25°12	10°16	1°35	16°45	15° 9	18°59	n.a.	W13
T 14	21 7 52	15° 1'20	3♒39	20°47	18°33	17° 4	8°11	26°34	25°10	10°15	1°34	16°39	15° 6	19° 6	n.a.	T 14
F 15	21 11 49	15°59'54	18°37	22°34	19°48	16°47	8°23	26°35	25° 7	10°15	1°32	16°32	15° 3	19°12	n.a.	F 15
S 16	21 15 45	16°58'30	3♓44	24°19	21° 3	16°29	8°36	26°36	25° 5	10°14	1°31	16°22	14°59	19°19	n.a.	S 16
S 17	21 19 42	17°57'08	18°52	26° 3	22°18	16°12	8°49	26°37	25° 2	10°13	1°30	16°13	14°56	19°26	n.a.	S 17
M18	21 23 38	18°55'49	3♈50	27°47	23°33	15°55	9° 1	26°38	25° 0	10°12	1°29	16° 6	14°53	19°33	n.a.	M18
T 19	21 27 35	19°54'31	18°30	29°29	24°47	15°38	9°14	26°39	24°58	10°11	1°28	16° 0	14°50	19°39	n.a.	T 19
W20	21 31 31	20°53'16	2♉48	1♍10	26° 2	15°21	9°27	26°40	24°55	10°10	1°26	15°56	14°47	19°46	n.a.	W20
T 21	21 35 28	21°52'04	16°41	2°50	27°17	15° 5	9°39	26°42	24°53	10° 9	1°25	15°D55	14°43	19°53	n.a.	T 21
F 22	21 39 25	22°50'54	0♊10	4°30	28°32	14°49	9°52	26°43	24°50	10° 8	1°24	15°55	14°40	20° 0	n.a.	F 22
S 23	21 43 21	23°49'47	13°18	6° 8	29°47	14°33	10° 5	26°45	24°48	10° 7	1°23	15°R55	14°37	20° 6	n.a.	S 23
S 24	21 47 18	24°48'42	26° 7	7°45	1♍ 2	14°18	10°18	26°46	24°46	10° 6	1°22	15°55	14°34	20°13	n.a.	S 24
M25	21 51 14	25°47'39	8♋42	9°22	2°17	14° 3	10°30	26°48	24°43	10° 5	1°20	15°53	14°31	20°20	n.a.	M25
T 26	21 55 11	26°46'39	21° 5	10°57	3°32	13°48	10°43	26°50	24°41	10° 4	1°19	15°48	14°28	20°26	n.a.	T 26
W27	21 59 7	27°45'41	3♌19	12°32	4°47	13°34	10°56	26°52	24°38	10° 3	1°18	15°40	14°24	20°33	n.a.	W27
T 28	22 3 4	28°44'45	15°26	14° 5	6° 1	13°21	11° 9	26°54	24°36	10° 1	1°17	15°29	14°21	20°40	n.a.	T 28
F 29	22 7 0	29°43'51	27°26	15°38	7°16	13° 8	11°22	26°56	24°33	10° 0	1°16	15°17	14°18	20°47	n.a.	F 29
S 30	22 10 57	0♍42'59	9♍22	17°10	8°31	12°56	11°35	26°58	24°31	9°59	1°15	15° 3	14°15	20°53	n.a.	S 30
S 31	22 14 54	1♍42'10	21♍15	18♍41	9♍46	12♒44	11♍48	27♏ 0	24♒29	9♈58	1♒14	14♐49	14♐12	21♍ 0	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n53	11n 9	4s30	22n51	1n43	21n 8	1n18	20s59	6s31	10n45	1n15	18s18	1n22	13s54	0s48	2n19	2s 0	32s 9	12s30	23s 9	22s59	0n13		n.a.
S 2	19 39	6 47	4 54	22 30	1 45	20 52	1 19	21 4	6 32	10 41	1 15	18 18	1 22	13 54	0 49	2 19	2 0	32 9	12 30	23 8	22 58	0 10		n.a.
S 3	19 26	2 13	5 6	22 7	1 47	20 35	1 19	21 10	6 33	10 36	1 15	18 18	1 22	13 55	0 49	2 19	2 0	32 10	12 30	23 7	22 58	0 8		n.a.
M 4	19 11	2s25	5 4	21 41	1 48	20 17	1 20	21 15	6 33	10 32	1 15	18 19	1 21	13 56	0 49	2 19	2 0	32 10	12 30	23 6	22 58	0 5		n.a.
T 5	18 57	6 58	4 50	21 14	1 48	19 58	1 21	21 20	6 33	10 27	1 14	18 19	1 21	13 57	0 49	2 18	2 1	32 10	12 30	23 6	22 57	0 3		n.a.
W 6	18 42	11 16	4 23	20 45	1 47	19 39	1 22	21 25	6 33	10 22	1 14	18 19	1 21	13 57	0 49	2 18	2 1	32 11	12 30	23 5	22 57	0 0		n.a.
T 7	18 27	15 11	3 44	20 14	1 46	19 20	1 22	21 31	6 33	10 18	1 14	18 19	1 21	13 58	0 49	2 18	2 1	32 11	12 30	23 5	22 57	0s 3		n.a.
F 8	18 11	18 31	2 54	19 42	1 45	19 0	1 23	21 36	6 33	10 13	1 14	18 19	1 21	13 59	0 49	2 18	2 1	32 11	12 30	23 5	22 56	0 5		n.a.
S 9	17 56	21 6	1 55	19 9	1 43	18 39	1 23	21 40	6 32	10 8	1 14	18 20	1 20	14 0	0 49	2 17	2 1	32 12	12 30	23 5	22 56	0 8		n.a.
S 10	17 40	22 41	0 48	18 34	1 40	18 18	1 24	21 45	6 32	10 4	1 14	18 20	1 20	14 1	0 49	2 17	2 1	32 12	12 30	23 5	22 55	0 10		n.a.
M11	17 23	23 4	0n23	17 58	1 37	17 56	1 24	21 50	6 31	9 59	1 14	18 20	1 20	14 1	0 49	2 17	2 1	32 12	12 30	23 5	22 55	0 13		n.a.
T 12	17 6	22 5	1 35	17 22	1 33	17 34	1 24	21 54	6 30	9 54	1 14	18 20	1 20	14 2	0 49	2 16	2 1	32 13	12 30	23 5	22 55	0 16		n.a.
W13	16 49	19 41	2 43	16 44	1 29	17 11	1 24	21 59	6 28	9 50	1 14	18 21	1 20	14 3	0 49	2 16	2 1	32 13	12 30	23 5	22 54	0 18		n.a.
T 14	16 32	15 58	3 43	16 6	1 25	16 48	1 25	22 3	6 27	9 45	1 14	18 21	1 19	14 4	0 49	2 16	2 1	32 13	12 30	23 4	22 54	0 21		n.a.
F 15	16 15	11 11	4 29	15 26	1 21	16 24	1 25	22 7	6 25	9 40	1 14	18 21	1 19	14 5	0 49	2 15	2 1	32 13	12 30	23 3	22 54	0 23		n.a.
S 16	15 57	5 40	4 56	14 46	1 16	16 0	1 25	22 10	6 24	9 35	1 14	18 22	1 19	14 5	0 49	2 15	2 1	32 14	12 30	23 2	22 53	0 26		n.a.
S 17	15 39	0n11	5 3	14 6	1 11	15 35	1 25	22 14	6 22	9 30	1 14	18 22	1 19	14 6	0 49	2 14	2 1	32 14	12 30	23 1	22 53	0 28		n.a.
M18	15 20	5 57	4 49	13 25	1 5	15 10	1 25	22 17	6 19	9 25	1 14	18 23	1 19	14 7	0 49	2 14	2 1	32 14	12 30	23 1	22 53	0 31		n.a.
T 19	15 2	11 17	4 17	12 44	1 0	14 45	1 24	22 20	6 17	9 21	1 14	18 23	1 18	14 8	0 49	2 14	2 1	32 14	12 30	23 0	22 52	0 34		n.a.
W20	14 43	15 51	3 28	12 2	0 54	14 19	1 24	22 23	6 15	9 16	1 13	18 24	1 18	14 9	0 49	2 13	2 1	32 15	12 30	23 0	22 52	0 36		n.a.
T 21	14 24	19 25	2 29	11 20	0 48	13 53	1 24	22 26	6 12	9 11	1 13	18 24	1 18	14 10	0 49	2 13	2 1	32 15	12 30	22 59	22 52	0 39		n.a.
F 22	14 5	21 48	1 23	10 38	0 41	13 26	1 23	22 28	6 9	9 6	1 13	18 25	1 18	14 10	0 49	2 12	2 2	32 15	12 30	22 59	22 51	0 41		n.a.
S 23	13 45	22 55	0 14	9 55	0 35	12 59	1 23	22 30	6 6	9 1	1 13	18 25	1 18	14 11	0 49	2 12	2 2	32 15	12 30	22 59	22 51	0 44		n.a.
S 24	13 25	22 47	0s54	9 12	0 28	12 32	1 23	22 31	6 3	8 56	1 13	18 26	1 17	14 12	0 49	2 11	2 2	32 15	12 30	22 59	22 50	0 47		n.a.
M25	13 5	21 30	1 58	8 30	0 22	12 4	1 22	22 33	6 0	8 51	1 13	18 26	1 17	14 13	0 49	2 11	2 2	32 16	12 29	22 59	22 50	0 49		n.a.
T 26	12 45	19 11	2 55	7 47	0 15	11 36	1 21	22 34	5 56	8 46	1 13	18 27	1 17	14 14	0 49	2 10	2 2	32 16	12 29	22 59	22 50	0 52		n.a.
W27	12 24	16 3	3 43	7 4	0 8	11 8	1 21	22 35	5 53	8 41	1 13	18 28	1 17	14 14	0 49	2 10	2 2	32 16	12 29	22 58	22 49	0 54		n.a.
T 28	12 4	12 16	4 21	6 21	0 1	10 39	1 20	22 35	5 49	8 36	1 13	18 28	1 17	14 15	0 49	2 9	2 2	32 16	12 29	22 57	22 49	0 57		n.a.
F 29	11 43	8 3	4 46	5 38	0s 6	10 10	1 19	22 36	5 45	8 31	1 13	18 29	1 16	14 16	0 49	2 9	2 2	32 16	12 29	22 55	22 49	0 59		n.a.
S 30	11 22	3 33	4 59	4 55	0 13	9 41	1 18	22 35	5 41	8 26	1 13	18 30	1 16	14 17	0 49	2 8	2 2	32 16	12 29	22 54	22 48	1 2		n.a.
S 31	11n 0	1s 3	4s58	4n13	0s21	9n12	1n17	22s35	5s38	8n21	1n13	18s30	1n16	14s18	0s49	2n 8	2s 2	32s17	12s29	22s52	22s48	1s 5		n.a.

Julian Day Number = 1565308.5, Delta T = 04h21m23s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'30, Lahiri = - 9°51'30 Julian Calendar 1 Aug. 428 BCE == Greg. Calendar 27 July 428 BCE

The year -427 astronomical counting style corresponds to year 428 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

SEPTEMBER 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 18 50	2♍41'22	3♎ 6	20♍11	11♍ 1	12°R34	12♍ 1	27♏ 3	24°R26	9°R57	1°R13	14°R36	14♐ 9	21♍ 7	n.a.	M 1
T 2	22 22 47	3°40'37	14°57	21°41	12°16	12♒23	12°14	27° 5	24♒24	9♈55	1♒12	14♐25	14° 5	21°14	n.a.	T 2
W 3	22 26 43	4°39'54	26°51	23° 9	13°31	12°14	12°27	27° 8	24°22	9°54	1°11	14°17	14° 2	21°20	n.a.	W 3
T 4	22 30 40	5°39'12	8♏51	24°37	14°46	12° 5	12°40	27°10	24°19	9°53	1°10	14°12	13°59	21°27	n.a.	T 4
F 5	22 34 36	6°38'33	21° 1	26° 3	16° 1	11°57	12°53	27°13	24°17	9°51	1° 9	14°10	13°56	21°34	n.a.	F 5
S 6	22 38 33	7°37'55	3♐27	27°29	17°16	11°50	13° 6	27°16	24°14	9°50	1° 8	14° 9	13°53	21°40	n.a.	S 6
S 7	22 42 29	8°37'20	16°12	28°54	18°31	11°44	13°19	27°19	24°12	9°49	1° 7	14° 9	13°49	21°47	n.a.	S 7
M 8	22 46 26	9°36'46	29°22	0♎18	19°46	11°38	13°32	27°22	24°10	9°47	1° 6	14° 8	13°46	21°54	n.a.	M 8
T 9	22 50 22	10°36'14	13♑ 0	1°41	21° 1	11°33	13°45	27°25	24° 8	9°46	1° 5	14° 6	13°43	22° 1	n.a.	T 9
W10	22 54 19	11°35'44	27° 8	3° 3	22°16	11°29	13°59	27°28	24° 5	9°44	1° 4	14° 2	13°40	22° 7	n.a.	W10
T 11	22 58 16	12°35'16	11♒46	4°24	23°31	11°26	14°12	27°31	24° 3	9°43	1° 3	13°54	13°37	22°14	n.a.	T 11
F 12	23 2 12	13°34'50	26°47	5°43	24°46	11°24	14°25	27°35	24° 1	9°41	1° 2	13°45	13°34	22°21	n.a.	F 12
S 13	23 6 9	14°34'26	12♓ 4	7° 2	26° 1	11°22	14°38	27°38	23°59	9°40	1° 1	13°34	13°30	22°27	n.a.	S 13
S 14	23 10 5	15°34'04	27°26	8°19	27°16	11°21	14°51	27°42	23°56	9°38	1° 0	13°22	13°27	22°34	n.a.	S 14
M15	23 14 2	16°33'44	12♈40	9°35	28°31	11°D21	15° 4	27°45	23°54	9°37	0°59	13°12	13°24	22°41	n.a.	M15
T 16	23 17 58	17°33'26	27°37	10°49	29°46	11°22	15°17	27°49	23°52	9°35	0°59	13° 4	13°21	22°48	n.a.	T 16
W17	23 21 55	18°33'11	12♉ 9	12° 2	1♎ 1	11°23	15°30	27°53	23°50	9°34	0°58	12°59	13°18	22°54	n.a.	W17
T 18	23 25 51	19°32'58	26°12	13°13	2°16	11°26	15°43	27°57	23°48	9°32	0°57	12°57	13°15	23° 1	n.a.	T 18
F 19	23 29 48	20°32'48	9♊47	14°23	3°31	11°29	15°56	28° 0	23°46	9°31	0°56	12°D56	13°11	23° 8	n.a.	F 19
S 20	23 33 45	21°32'40	22°56	15°30	4°46	11°33	16° 9	28° 4	23°44	9°29	0°56	12°R56	13° 8	23°15	n.a.	S 20
S 21	23 37 41	22°32'34	5♋42	16°35	6° 1	11°37	16°23	28° 9	23°42	9°27	0°55	12°55	13° 5	23°21	n.a.	S 21
M22	23 41 38	23°32'31	18°11	17°38	7°16	11°43	16°36	28°13	23°40	9°26	0°54	12°53	13° 2	23°28	n.a.	M22
T 23	23 45 34	24°32'30	0♌25	18°38	8°31	11°49	16°49	28°17	23°38	9°24	0°54	12°48	12°59	23°35	n.a.	T 23
W24	23 49 31	25°32'31	12°30	19°35	9°46	11°55	17° 2	28°21	23°36	9°23	0°53	12°41	12°55	23°41	n.a.	W24
T 25	23 53 27	26°32'34	24°29	20°29	11° 1	12° 3	17°15	28°26	23°34	9°21	0°52	12°30	12°52	23°48	n.a.	T 25
F 26	23 57 24	27°32'39	6♍23	21°19	12°16	12°11	17°28	28°30	23°32	9°19	0°52	12°17	12°49	23°55	n.a.	F 26
S 27	0 1 20	28°32'47	18°16	22° 5	13°31	12°20	17°41	28°35	23°30	9°18	0°51	12° 3	12°46	24° 2	n.a.	S 27
S 28	0 5 17	29°32'56	0♎ 7	22°47	14°46	12°30	17°54	28°39	23°28	9°16	0°50	11°49	12°43	24° 8	n.a.	S 28
M29	0 9 13	0♎33'07	12° 0	23°24	16° 1	12°40	18° 7	28°44	23°26	9°14	0°50	11°36	12°40	24°15	n.a.	M29
T 30	0 13 10	1♎33'21	23♎55	23♎55	17♎16	12♒51	18♍20	28♏49	23♒25	9♈13	0♒49	11♐25	12♐36	24♍22	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n39	5s36	4s45	3n30	0s28	8n42	1n16	22s34	5s33	8n16	1n13	18s31	1n16	14s18	0s49	2n 7	2s 2	32s17	12s29	22s51	22s47	1s 7		n.a.
T 2	10 17	9 56	4 19	2 48	0 35	8 12	1 15	22 33	5 29	8 11	1 13	18 32	1 16	14 19	0 49	2 7	2 2	32 17	12 29	22 49	22 47	1 10		n.a.
W 3	9 55	13 55	3 42	2 6	0 43	7 42	1 14	22 32	5 25	8 6	1 13	18 33	1 15	14 20	0 49	2 6	2 2	32 17	12 28	22 48	22 47	1 12		n.a.
T 4	9 33	17 23	2 55	1 24	0 50	7 11	1 13	22 31	5 21	8 1	1 13	18 33	1 15	14 21	0 49	2 6	2 2	32 17	12 28	22 48	22 46	1 15		n.a.
F 5	9 11	20 9	1 59	0 43	0 57	6 41	1 12	22 29	5 17	7 56	1 13	18 34	1 15	14 22	0 49	2 5	2 2	32 17	12 28	22 48	22 46	1 17		n.a.
S 6	8 49	22 2	0 56	0 2	1 4	6 10	1 10	22 27	5 12	7 51	1 13	18 35	1 15	14 22	0 49	2 4	2 2	32 17	12 28	22 47	22 46	1 20		n.a.
S 7	8 26	22 50	0n11	0s39	1 12	5 39	1 9	22 24	5 8	7 45	1 13	18 36	1 15	14 23	0 49	2 4	2 2	32 17	12 28	22 47	22 45	1 23		n.a.
M 8	8 4	22 25	1 20	1 19	1 19	5 8	1 8	22 22	5 3	7 40	1 13	18 37	1 15	14 24	0 49	2 3	2 2	32 18	12 28	22 47	22 45	1 25		n.a.
T 9	7 41	20 41	2 26	1 59	1 26	4 37	1 6	22 19	4 59	7 35	1 13	18 38	1 14	14 25	0 49	2 3	2 2	32 18	12 28	22 47	22 44	1 28		n.a.
W10	7 18	17 38	3 26	2 39	1 33	4 6	1 5	22 16	4 54	7 30	1 13	18 39	1 14	14 25	0 49	2 2	2 2	32 18	12 27	22 47	22 44	1 30		n.a.
T 11	6 55	13 24	4 15	3 18	1 40	3 34	1 3	22 12	4 50	7 25	1 13	18 40	1 14	14 26	0 49	2 1	2 2	32 18	12 27	22 46	22 44	1 33		n.a.
F 12	6 32	8 15	4 47	3 56	1 47	3 3	1 2	22 8	4 45	7 20	1 13	18 40	1 14	14 27	0 49	2 1	2 2	32 18	12 27	22 45	22 43	1 35		n.a.
S 13	6 9	2 30	5 0	4 33	1 53	2 31	1 0	22 5	4 41	7 15	1 13	18 41	1 14	14 28	0 49	2 0	2 2	32 18	12 27	22 43	22 43	1 38		n.a.
S 14	5 46	3n25	4 51	5 10	2 0	1 59	0 58	22 0	4 36	7 10	1 13	18 42	1 13	14 28	0 49	2 0	2 2	32 18	12 27	22 42	22 42	1 40		n.a.
M15	5 22	9 4	4 22	5 46	2 6	1 27	0 56	21 56	4 31	7 5	1 13	18 43	1 13	14 29	0 49	1 59	2 3	32 18	12 27	22 41	22 42	1 43		n.a.
T 16	4 59	14 5	3 35	6 22	2 13	0 56	0 55	21 51	4 27	6 59	1 13	18 44	1 13	14 30	0 49	1 58	2 3	32 18	12 26	22 40	22 42	1 45		n.a.
W17	4 35	18 8	2 35	6 56	2 19	0 24	0 53	21 47	4 22	6 54	1 13	18 45	1 13	14 31	0 48	1 58	2 3	32 18	12 26	22 39	22 41	1 48		n.a.
T 18	4 11	20 58	1 27	7 30	2 24	0s 8	0 51	21 42	4 18	6 49	1 13	18 46	1 13	14 31	0 48	1 57	2 3	32 18	12 26	22 39	22 41	1 51		n.a.
F 19	3 48	22 29	0 17	8 2	2 30	0 40	0 49	21 36	4 13	6 44	1 13	18 48	1 13	14 32	0 48	1 56	2 3	32 18	12 26	22 38	22 40	1 53		n.a.
S 20	3 24	22 41	0s53	8 33	2 35	1 12	0 47	21 31	4 9	6 39	1 13	18 49	1 12	14 33	0 48	1 56	2 3	32 18	12 26	22 38	22 40	1 56		n.a.
S 21	3 0	21 40	1 57	9 3	2 40	1 44	0 45	21 25	4 4	6 34	1 13	18 50	1 12	14 33	0 48	1 55	2 3	32 18	12 25	22 38	22 40	1 58		n.a.
M22	2 36	19 36	2 55	9 32	2 44	2 16	0 43	21 20	4 0	6 29	1 13	18 51	1 12	14 34	0 48	1 54	2 3	32 18	12 25	22 38	22 39	2 1		n.a.
T 23	2 12	16 41	3 43	9 59	2 48	2 48	0 41	21 14	3 55	6 23	1 13	18 52	1 12	14 35	0 48	1 54	2 3	32 18	12 25	22 37	22 39	2 3		n.a.
W24	1 48	13 6	4 20	10 24	2 52	3 20	0 39	21 7	3 51	6 18	1 13	18 53	1 12	14 35	0 48	1 53	2 3	32 18	12 25	22 36	22 38	2 6		n.a.
T 25	1 23	9 2	4 46	10 47	2 55	3 51	0 36	21 1	3 47	6 13	1 13	18 54	1 12	14 36	0 48	1 52	2 3	32 18	12 25	22 35	22 38	2 8		n.a.
F 26	0 59	4 40	4 59	11 9	2 57	4 23	0 34	20 55	3 42	6 8	1 13	18 55	1 11	14 36	0 48	1 52	2 3	32 18	12 24	22 33	22 38	2 11		n.a.
S 27	0 35	0 8	4 59	11 28	2 59	4 55	0 32	20 48	3 38	6 3	1 13	18 56	1 11	14 37	0 48	1 51	2 3	32 17	12 24	22 32	22 37	2 13		n.a.
S 28	0 11	4s24	4 46	11 45	3 0	5 26	0 30	20 41	3 34	5 58	1 13	18 58	1 11	14 38	0 48	1 50	2 3	32 17	12 24	22 30	22 37	2 16		n.a.
M29	0s13	8 47	4 20	11 59	3 0	5 58	0 27	20 34	3 29	5 53	1 13	18 59	1 11	14 38	0 48	1 50	2 3	32 17	12 24	22 28	22 36	2 18		n.a.
T 30	0s38	12s50	3s43	12s10	3s 0	6s29	0n25	20s27	3s25	5n48	1n13	19s 0	1n11	14s39	0s48	1n49	2s 3	32s17	12s23	22s26	22s36	2s21		n.a.

Julian Day Number = 1565339.5, Delta T = 04h21m22s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'26, Lahiri = - 9°51'26 Julian Calendar 1 Sept. 428 BCE == Greg. Calendar 27 Aug. 428 BCE

The year -427 astronomical counting style corresponds to year 428 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

OCTOBER 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 17 7	2♎33'36	5♏54	24♎20	18♎31	13♒ 3	18♍33	28♏53	23°R23	9°R11	0°R49	11°R17	12♐33	24♍28	n.a.	W 1
T 2	0 21 3	3°33'53	17°59	24°38	19°46	13°15	18°46	28°58	23♒21	9♈ 9	0♒48	11♐12	12°30	24°35	n.a.	T 2
F 3	0 25 0	4°34'11	0♐13	24°49	21° 1	13°28	18°59	29° 3	23°20	9° 8	0°48	11° 9	12°27	24°42	n.a.	F 3
S 4	0 28 56	5°34'32	12°39	24°R52	22°16	13°42	19°11	29° 8	23°18	9° 6	0°48	11°D 9	12°24	24°49	n.a.	S 4
S 5	0 32 53	6°34'54	25°23	24°46	23°31	13°56	19°24	29°13	23°16	9° 4	0°47	11° 9	12°20	24°55	n.a.	S 5
M 6	0 36 49	7°35'17	8♑27	24°30	24°46	14°11	19°37	29°19	23°15	9° 3	0°47	11°R 9	12°17	25° 2	n.a.	M 6
T 7	0 40 46	8°35'42	21°56	24° 6	26° 1	14°27	19°50	29°24	23°13	9° 1	0°46	11° 9	12°14	25° 9	n.a.	T 7
W 8	0 44 42	9°36'08	5♒52	23°31	27°16	14°43	20° 3	29°29	23°12	8°59	0°46	11° 6	12°11	25°16	n.a.	W 8
T 9	0 48 39	10°36'36	20°16	22°46	28°31	14°59	20°15	29°34	23°10	8°57	0°46	11° 0	12° 8	25°22	n.a.	T 9
F 10	0 52 36	11°37'05	5♓ 5	21°52	29°46	15°16	20°28	29°40	23° 9	8°56	0°46	10°53	12° 5	25°29	n.a.	F 10
S 11	0 56 32	12°37'36	20°12	20°49	1♏ 1	15°34	20°41	29°45	23° 8	8°54	0°45	10°44	12° 1	25°36	n.a.	S 11
S 12	1 0 29	13°38'08	5♈29	19°38	2°16	15°52	20°53	29°51	23° 6	8°52	0°45	10°35	11°58	25°42	n.a.	S 12
M13	1 4 25	14°38'42	20°44	18°22	3°30	16°11	21° 6	29°56	23° 5	8°51	0°45	10°27	11°55	25°49	n.a.	M13
T 14	1 8 22	15°39'18	5♉47	17° 2	4°45	16°30	21°18	0♐ 2	23° 4	8°49	0°45	10°20	11°52	25°56	n.a.	T 14
W15	1 12 18	16°39'55	20°28	15°41	6° 0	16°50	21°31	0° 8	23° 3	8°47	0°45	10°16	11°49	26° 3	n.a.	W15
T 16	1 16 15	17°40'34	4♊42	14°22	7°15	17°10	21°43	0°13	23° 2	8°46	0°44	10°D15	11°46	26° 9	n.a.	T 16
F 17	1 20 11	18°41'15	18°27	13° 7	8°30	17°30	21°56	0°19	23° 1	8°44	0°44	10°15	11°42	26°16	n.a.	F 17
S 18	1 24 8	19°41'58	1♋44	11°58	9°45	17°51	22° 8	0°25	23° 0	8°42	0°44	10°16	11°39	26°23	n.a.	S 18
S 19	1 28 5	20°42'43	14°36	10°59	11° 0	18°13	22°20	0°31	22°59	8°41	0°44	10°17	11°36	26°29	n.a.	S 19
M20	1 32 1	21°43'29	27° 6	10° 9	12°15	18°35	22°33	0°37	22°58	8°39	0°D44	10°R17	11°33	26°36	n.a.	M20
T 21	1 35 58	22°44'17	9♌20	9°31	13°29	18°57	22°45	0°43	22°57	8°37	0°44	10°15	11°30	26°43	n.a.	T 21
W22	1 39 54	23°45'06	21°23	9° 4	14°44	19°20	22°57	0°49	22°56	8°36	0°44	10°11	11°26	26°50	n.a.	W22
T 23	1 43 51	24°45'57	3♍18	8°49	15°59	19°43	23° 9	0°55	22°55	8°34	0°44	10° 6	11°23	26°56	n.a.	T 23
F 24	1 47 47	25°46'50	15°10	8°D45	17°14	20° 6	23°21	1° 1	22°55	8°32	0°44	9°58	11°20	27° 3	n.a.	F 24
S 25	1 51 44	26°47'44	27° 1	8°52	18°29	20°30	23°33	1° 7	22°54	8°31	0°45	9°50	11°17	27°10	n.a.	S 25
S 26	1 55 40	27°48'40	8♎54	9°10	19°44	20°54	23°45	1°14	22°53	8°29	0°45	9°41	11°14	27°16	n.a.	S 26
M27	1 59 37	28°49'37	20°51	9°36	20°58	21°19	23°57	1°20	22°53	8°28	0°45	9°33	11°11	27°23	n.a.	M27
T 28	2 3 34	29°50'35	2♏53	10°10	22°13	21°44	24° 9	1°26	22°52	8°26	0°45	9°26	11° 7	27°30	n.a.	T 28
W29	2 7 30	0♏51'34	15° 2	10°52	23°28	22° 9	24°21	1°33	22°52	8°25	0°45	9°21	11° 4	27°37	n.a.	W29
T 30	2 11 27	1°52'35	27°19	11°41	24°43	22°35	24°33	1°39	22°51	8°23	0°45	9°19	11° 1	27°43	n.a.	T 30
F 31	2 15 23	2♏53'36	9♐46	12♎35	25♏57	23♒ 1	24♍44	1♐45	22♒51	8♈22	0♒46	9°D18	10♐58	27♍50	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	1s 2	16s25	2s56	12s18	2s58	7s 0	0n23	20s19	3s21	5n43	1n13	19s 1	1n11	14s39	0s48	1n48	2s 3	32s17	12s23	22s25	22s36	2s23		n.a.
T 2	1 26	19 19	2 0	12 22	2 55	7 31	0 20	20 12	3 17	5 38	1 13	19 3	1 10	14 40	0 48	1 48	2 3	32 17	12 23	22 24	22 35	2 26		n.a.
F 3	1 50	21 24	0 58	12 23	2 51	8 2	0 18	20 4	3 13	5 32	1 14	19 4	1 10	14 40	0 48	1 47	2 3	32 17	12 23	22 24	22 35	2 28		n.a.
S 4	2 15	22 28	0n 8	12 19	2 46	8 32	0 15	19 56	3 9	5 27	1 14	19 5	1 10	14 41	0 48	1 46	2 3	32 17	12 22	22 24	22 34	2 31		n.a.
S 5	2 39	22 25	1 15	12 10	2 39	9 3	0 13	19 48	3 5	5 22	1 14	19 6	1 10	14 41	0 48	1 46	2 3	32 17	12 22	22 24	22 34	2 33		n.a.
M 6	3 3	21 8	2 20	11 56	2 30	9 33	0 10	19 40	3 1	5 17	1 14	19 8	1 10	14 42	0 48	1 45	2 3	32 16	12 22	22 24	22 33	2 36		n.a.
T 7	3 27	18 39	3 20	11 38	2 20	10 3	0 8	19 32	2 57	5 12	1 14	19 9	1 10	14 42	0 48	1 44	2 3	32 16	12 22	22 24	22 33	2 39		n.a.
W 8	3 51	15 1	4 9	11 14	2 8	10 33	0 5	19 23	2 53	5 7	1 14	19 10	1 9	14 43	0 48	1 44	2 3	32 16	12 22	22 24	22 33	2 41		n.a.
T 9	4 15	10 25	4 45	10 44	1 55	11 2	0 3	19 15	2 50	5 2	1 14	19 11	1 9	14 43	0 48	1 43	2 3	32 16	12 21	22 23	22 32	2 44		n.a.
F 10	4 39	5 4	5 3	10 9	1 39	11 31	0 0	19 6	2 46	4 57	1 14	19 13	1 9	14 44	0 48	1 42	2 3	32 16	12 21	22 22	22 32	2 46		n.a.
S 11	5 3	0n40	5 0	9 29	1 22	12 0	0s 2	18 57	2 42	4 52	1 14	19 14	1 9	14 44	0 48	1 42	2 3	32 16	12 21	22 21	22 31	2 49		n.a.
S 12	5 27	6 26	4 37	8 45	1 4	12 29	0 5	18 48	2 39	4 47	1 14	19 15	1 9	14 44	0 48	1 41	2 3	32 15	12 21	22 19	22 31	2 51		n.a.
M13	5 51	11 47	3 53	7 58	0 44	12 57	0 7	18 39	2 35	4 42	1 14	19 17	1 9	14 45	0 48	1 40	2 3	32 15	12 20	22 18	22 30	2 54		n.a.
T 14	6 14	16 21	2 54	7 8	0 24	13 25	0 10	18 30	2 32	4 37	1 14	19 18	1 9	14 45	0 48	1 40	2 3	32 15	12 20	22 17	22 30	2 56		n.a.
W15	6 38	19 46	1 44	6 18	0 3	13 53	0 12	18 21	2 28	4 33	1 14	19 19	1 8	14 46	0 48	1 39	2 3	32 15	12 20	22 17	22 30	2 59		n.a.
T 16	7 1	21 50	0 30	5 28	0n18	14 21	0 15	18 11	2 25	4 28	1 14	19 21	1 8	14 46	0 48	1 38	2 3	32 15	12 19	22 16	22 29	3 1		n.a.
F 17	7 25	22 30	0s44	4 40	0 38	14 48	0 18	18 1	2 21	4 23	1 14	19 22	1 8	14 46	0 48	1 38	2 3	32 14	12 19	22 16	22 29	3 3		n.a.
S 18	7 48	21 51	1 53	3 56	0 56	15 14	0 20	17 52	2 18	4 18	1 15	19 23	1 8	14 47	0 48	1 37	2 3	32 14	12 19	22 16	22 28	3 6		n.a.
S 19	8 11	20 3	2 54	3 16	1 14	15 41	0 23	17 42	2 15	4 13	1 15	19 25	1 8	14 47	0 48	1 36	2 3	32 14	12 19	22 17	22 28	3 8		n.a.
M20	8 34	17 19	3 45	2 42	1 30	16 6	0 25	17 32	2 11	4 8	1 15	19 26	1 8	14 47	0 48	1 36	2 3	32 14	12 18	22 17	22 27	3 11		n.a.
T 21	8 57	13 54	4 25	2 14	1 43	16 32	0 28	17 22	2 8	4 3	1 15	19 28	1 8	14 47	0 48	1 35	2 3	32 13	12 18	22 16	22 27	3 13		n.a.
W22	9 20	9 57	4 52	1 53	1 55	16 57	0 30	17 12	2 5	3 59	1 15	19 29	1 8	14 48	0 48	1 34	2 3	32 13	12 18	22 16	22 27	3 16		n.a.
T 23	9 43	5 40	5 6	1 37	2 5	17 21	0 33	17 1	2 2	3 54	1 15	19 30	1 7	14 48	0 47	1 34	2 3	32 13	12 18	22 15	22 26	3 18		n.a.
F 24	10 5	1 13	5 7	1 29	2 13	17 46	0 35	16 51	1 59	3 49	1 15	19 32	1 7	14 48	0 47	1 33	2 3	32 13	12 17	22 14	22 26	3 21		n.a.
S 25	10 28	3s17	4 54	1 26	2 20	18 9	0 38	16 40	1 56	3 44	1 15	19 33	1 7	14 48	0 47	1 33	2 3	32 12	12 17	22 13	22 25	3 23		n.a.
S 26	10 50	7 41	4 29	1 28	2 24	18 32	0 40	16 30	1 53	3 40	1 15	19 35	1 7	14 48	0 47	1 32	2 3	32 12	12 17	22 11	22 25	3 26		n.a.
M27	11 12	11 49	3 52	1 36	2 27	18 55	0 43	16 19	1 50	3 35	1 15	19 36	1 7	14 49	0 47	1 31	2 3	32 12	12 17	22 10	22 24	3 28		n.a.
T 28	11 34	15 31	3 5	1 48	2 29	19 17	0 45	16 8	1 47	3 30	1 16	19 37	1 7	14 49	0 47	1 31	2 3	32 11	12 16	22 9	22 24	3 31		n.a.
W29	11 55	18 36	2 8	2 4	2 29	19 39	0 48	15 57	1 44	3 26	1 16	19 39	1 7	14 49	0 47	1 30	2 3	32 11	12 16	22 8	22 23	3 33		n.a.
T 30	12 17	20 52	1 5	2 24	2 29	20 0	0 50	15 46	1 42	3 21	1 16	19 40	1 7	14 49	0 47	1 30	2 3	32 11	12 16	22 8	22 23	3 36		n.a.
F 31	12s38	22s 9	0n 3	2s47	2n27	20s21	0s53	15s35	1s39	3n17	1n16	19s42	1n 6	14s49	0s47	1n29	2s 3	32s10	12s16	22s 8	22s22	3s38		n.a.

Julian Day Number = 1565369.5, Delta T = 04h21m20s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'22, Lahiri = - 9°51'21 Julian Calendar 1 Oct. 428 BCE == Greg. Calendar 26 Sept. 428 BCE

The year -427 astronomical counting style corresponds to year 428 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

NOVEMBER 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 19 20	3♏54'39	22♐24	13♎34	27♏12	23♒27	24♍56	1♐52	22°R50	8°R20	0♒46	9♐19	10♐55	27♍57	n.a.	S 1
S 2	2 23 16	4°55'42	5♑16	14°38	28°27	23°54	25° 7	1°58	22♒50	8♈19	0°46	9°20	10°52	28° 3	n.a.	S 2
M 3	2 27 13	5°56'46	18°24	15°46	29°42	24°21	25°19	2° 5	22°50	8°17	0°47	9°22	10°48	28°10	n.a.	M 3
T 4	2 31 9	6°57'51	1♒51	16°57	0♐56	24°48	25°30	2°11	22°50	8°16	0°47	9°R23	10°45	28°17	n.a.	T 4
W 5	2 35 6	7°58'56	15°38	18°10	2°11	25°15	25°41	2°18	22°50	8°14	0°47	9°23	10°42	28°24	n.a.	W 5
T 6	2 39 3	9° 0'02	29°47	19°27	3°26	25°43	25°53	2°25	22°49	8°13	0°48	9°21	10°39	28°30	n.a.	T 6
F 7	2 42 59	10° 1'09	14♓15	20°45	4°40	26°11	26° 4	2°31	22°D49	8°11	0°48	9°18	10°36	28°37	n.a.	F 7
S 8	2 46 56	11° 2'16	28°59	22° 5	5°55	26°39	26°15	2°38	22°49	8°10	0°49	9°14	10°32	28°44	n.a.	S 8
S 9	2 50 52	12° 3'23	13♈54	23°27	7°10	27° 8	26°26	2°45	22°49	8° 9	0°49	9°10	10°29	28°50	n.a.	S 9
M10	2 54 49	13° 4'31	28°50	24°50	8°24	27°37	26°37	2°51	22°50	8° 7	0°50	9° 7	10°26	28°57	n.a.	M10
T 11	2 58 45	14° 5'40	13♉40	26°14	9°39	28° 6	26°48	2°58	22°50	8° 6	0°50	9° 4	10°23	29° 4	n.a.	T 11
W12	3 2 42	15° 6'50	28°16	27°39	10°54	28°35	26°58	3° 5	22°50	8° 5	0°51	9° 2	10°20	29°11	n.a.	W12
T 13	3 6 38	16° 8'00	12♊30	29° 6	12° 8	29° 5	27° 9	3°12	22°50	8° 3	0°52	9°D 2	10°17	29°17	n.a.	T 13
F 14	3 10 35	17° 9'11	26°20	0♏33	13°23	29°34	27°20	3°19	22°51	8° 2	0°52	9° 3	10°13	29°24	n.a.	F 14
S 15	3 14 32	18°10'23	9♋44	2° 0	14°37	0♓ 4	27°30	3°26	22°51	8° 1	0°53	9° 4	10°10	29°31	n.a.	S 15
S 16	3 18 28	19°11'36	22°43	3°29	15°52	0°34	27°41	3°32	22°51	8° 0	0°53	9° 6	10° 7	29°38	n.a.	S 16
M17	3 22 25	20°12'49	5♌20	4°57	17° 6	1° 5	27°51	3°39	22°52	7°59	0°54	9° 7	10° 4	29°44	n.a.	M17
T 18	3 26 21	21°14'03	17°39	6°27	18°21	1°35	28° 1	3°46	22°52	7°58	0°55	9°R 8	10° 1	29°51	n.a.	T 18
W19	3 30 18	22°15'17	29°43	7°56	19°35	2° 6	28°11	3°53	22°53	7°56	0°56	9° 7	9°57	29°58	n.a.	W19
T 20	3 34 14	23°16'33	11♍39	9°26	20°49	2°37	28°21	4° 0	22°54	7°55	0°56	9° 6	9°54	0♎ 4	n.a.	T 20
F 21	3 38 11	24°17'48	23°31	10°57	22° 4	3° 8	28°31	4° 7	22°54	7°54	0°57	9° 5	9°51	0°11	n.a.	F 21
S 22	3 42 7	25°19'05	5♎22	12°28	23°18	3°40	28°41	4°14	22°55	7°53	0°58	9° 3	9°48	0°18	n.a.	S 22
S 23	3 46 4	26°20'21	17°17	13°59	24°33	4°11	28°51	4°21	22°56	7°52	0°59	9° 1	9°45	0°25	n.a.	S 23
M24	3 50 1	27°21'38	29°19	15°30	25°47	4°43	29° 0	4°28	22°57	7°51	1° 0	8°59	9°42	0°31	n.a.	M24
T 25	3 53 57	28°22'56	11♏30	17° 2	27° 1	5°15	29°10	4°35	22°58	7°50	1° 1	8°57	9°38	0°38	n.a.	T 25
W26	3 57 54	29°24'14	23°51	18°34	28°16	5°47	29°19	4°42	22°59	7°49	1° 2	8°56	9°35	0°45	n.a.	W26
T 27	4 1 50	0♐25'31	6♐25	20° 6	29°30	6°19	29°28	4°49	23° 0	7°48	1° 2	8°D56	9°32	0°51	n.a.	T 27
F 28	4 5 47	1°26'49	19°11	21°39	0♑44	6°51	29°38	4°56	23° 1	7°48	1° 3	8°56	9°29	0°58	n.a.	F 28
S 29	4 9 43	2°28'07	2♑10	23°12	1°58	7°23	29°47	5° 3	23° 2	7°47	1° 4	8°57	9°26	1° 5	n.a.	S 29
S 30	4 13 40	3♐29'25	15♑23	24♏45	3♑13	7♓56	29♍56	5♐10	23♒ 3	7♈46	1♒ 5	8♐57	9♐23	1♎12	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s59	22s21	1n11	3s12	2n25	20s40	0s55	15s23	1s36	3n12	1n16	19s43	1n 6	14s49	0s47	1n28	2s 2	32s10	12s15	22s 8	22s22	3s41		n.a.
S 2	13 20	21 21	2 17	3 40	2 22	21 0	0 57	15 12	1 34	3 7	1 16	19 44	1 6	14 49	0 47	1 28	2 2	32 10	12 15	22 8	22 22	3 43		n.a.
M 3	13 40	19 12	3 17	4 10	2 18	21 19	0 59	15 0	1 31	3 3	1 16	19 46	1 6	14 49	0 47	1 27	2 2	32 9	12 15	22 8	22 21	3 46		n.a.
T 4	14 1	15 58	4 9	4 41	2 13	21 37	1 2	14 48	1 28	2 59	1 16	19 47	1 6	14 49	0 47	1 27	2 2	32 9	12 14	22 8	22 21	3 48		n.a.
W 5	14 21	11 47	4 47	5 14	2 9	21 55	1 4	14 37	1 26	2 54	1 17	19 49	1 6	14 49	0 47	1 26	2 2	32 9	12 14	22 8	22 20	3 50		n.a.
T 6	14 41	6 53	5 9	5 48	2 3	22 12	1 6	14 25	1 23	2 50	1 17	19 50	1 6	14 49	0 47	1 26	2 2	32 8	12 14	22 8	22 20	3 53		n.a.
F 7	15 0	1 29	5 12	6 23	1 58	22 28	1 8	14 13	1 21	2 45	1 17	19 52	1 6	14 49	0 47	1 25	2 2	32 8	12 14	22 8	22 19	3 55		n.a.
S 8	15 20	4n 5	4 55	6 59	1 52	22 44	1 10	14 1	1 18	2 41	1 17	19 53	1 6	14 49	0 47	1 25	2 2	32 8	12 13	22 7	22 19	3 58		n.a.
S 9	15 39	9 30	4 18	7 35	1 45	22 59	1 13	13 49	1 16	2 37	1 17	19 54	1 5	14 49	0 47	1 24	2 2	32 7	12 13	22 7	22 18	4 0		n.a.
M10	15 58	14 21	3 23	8 12	1 39	23 13	1 15	13 36	1 14	2 33	1 17	19 56	1 5	14 49	0 47	1 24	2 2	32 7	12 13	22 6	22 18	4 3		n.a.
T 11	16 16	18 17	2 15	8 49	1 32	23 27	1 17	13 24	1 11	2 28	1 17	19 57	1 5	14 49	0 47	1 23	2 2	32 7	12 13	22 6	22 17	4 5		n.a.
W12	16 35	20 59	0 59	9 27	1 26	23 40	1 19	13 12	1 9	2 24	1 18	19 59	1 5	14 49	0 47	1 23	2 2	32 6	12 12	22 5	22 17	4 8		n.a.
T 13	16 53	22 16	0s19	10 4	1 19	23 52	1 20	12 59	1 7	2 20	1 18	20 0	1 5	14 49	0 47	1 22	2 2	32 6	12 12	22 5	22 17	4 10		n.a.
F 14	17 10	22 8	1 34	10 42	1 12	24 3	1 22	12 46	1 5	2 16	1 18	20 1	1 5	14 49	0 47	1 22	2 2	32 5	12 12	22 5	22 16	4 12		n.a.
S 15	17 28	20 42	2 41	11 19	1 5	24 14	1 24	12 34	1 2	2 12	1 18	20 3	1 5	14 48	0 47	1 21	2 2	32 5	12 12	22 6	22 16	4 15		n.a.
S 16	17 45	18 13	3 38	11 56	0 57	24 24	1 26	12 21	1 0	2 8	1 18	20 4	1 5	14 48	0 47	1 21	2 2	32 5	12 11	22 6	22 15	4 17		n.a.
M17	18 2	14 56	4 23	12 33	0 50	24 34	1 28	12 8	0 58	2 4	1 18	20 6	1 5	14 48	0 47	1 21	2 2	32 4	12 11	22 6	22 15	4 20		n.a.
T 18	18 18	11 5	4 54	13 10	0 43	24 42	1 29	11 55	0 56	2 0	1 18	20 7	1 5	14 48	0 46	1 20	2 2	32 4	12 11	22 6	22 14	4 22		n.a.
W19	18 34	6 51	5 12	13 46	0 36	24 50	1 31	11 42	0 54	1 56	1 19	20 8	1 5	14 48	0 46	1 20	2 2	32 3	12 11	22 6	22 14	4 25		n.a.
T 20	18 50	2 25	5 16	14 22	0 29	24 57	1 32	11 29	0 52	1 52	1 19	20 10	1 4	14 47	0 46	1 19	2 2	32 3	12 10	22 6	22 13	4 27		n.a.
F 21	19 5	2s 4	5 6	14 58	0 22	25 4	1 34	11 16	0 50	1 48	1 19	20 11	1 4	14 47	0 46	1 19	2 2	32 3	12 10	22 6	22 13	4 29		n.a.
S 22	19 20	6 29	4 43	15 33	0 15	25 9	1 35	11 2	0 48	1 44	1 19	20 13	1 4	14 47	0 46	1 19	2 2	32 2	12 10	22 5	22 12	4 32		n.a.
S 23	19 35	10 41	4 8	16 7	0 8	25 14	1 36	10 49	0 46	1 41	1 19	20 14	1 4	14 47	0 46	1 18	2 2	32 2	12 10	22 5	22 12	4 34		n.a.
M24	19 49	14 31	3 22	16 41	0 1	25 18	1 38	10 36	0 44	1 37	1 19	20 15	1 4	14 46	0 46	1 18	2 1	32 1	12 9	22 5	22 11	4 37		n.a.
T 25	20 3	17 47	2 26	17 14	0s 6	25 22	1 39	10 22	0 42	1 33	1 20	20 17	1 4	14 46	0 46	1 18	2 1	32 1	12 9	22 5	22 11	4 39		n.a.
W26	20 17	20 19	1 23	17 47	0 13	25 24	1 40	10 8	0 41	1 30	1 20	20 18	1 4	14 46	0 46	1 17	2 1	32 0	12 9	22 4	22 10	4 42		n.a.
T 27	20 30	21 53	0 14	18 19	0 20	25 26	1 41	9 55	0 39	1 26	1 20	20 19	1 4	14 45	0 46	1 17	2 1	32 0	12 9	22 4	22 10	4 44		n.a.
F 28	20 43	22 22	0n57	18 50	0 26	25 27	1 42	9 41	0 37	1 22	1 20	20 21	1 4	14 45	0 46	1 17	2 1	31 59	12 9	22 4	22 9	4 46		n.a.
S 29	20 55	21 38	2 5	19 20	0 33	25 27	1 43	9 27	0 35	1 19	1 20	20 22	1 4	14 44	0 46	1 16	2 1	31 59	12 8	22 4	22 9	4 49		n.a.
S 30	21s 7	19s43	3n 9	19s50	0s39	25s26	1s44	9s13	0s34	1n16	1n21	20s23	1n 4	14s44	0s46	1n16	2s 1	31s59	12s 8	22s 4	22s 8	4s51		n.a.

Julian Day Number = 1565400.5, Delta T = 04h21m19s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'18, Lahiri = - 9°51'17 Julian Calendar 1 Nov. 428 BCE == Greg. Calendar 27 Oct. 428 BCE

The year -427 astronomical counting style corresponds to year 428 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 428 BCE
geocentric

DECEMBER 428 BCE (-427) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 17 37	4♐30'42	28♉48	26♏18	4♉27	8♓29	0♎ 4	5♐17	23♒ 4	7°R45	1♒ 6	8♐58	9♐19	1♎18	n.a.	M 1
T 2	4 21 33	5°31'59	12♒26	27°52	5°41	9° 2	0°13	5°24	23° 5	7♈44	1° 7	8°58	9°16	1°25	n.a.	T 2
W 3	4 25 30	6°33'15	26°17	29°26	6°55	9°35	0°22	5°31	23° 7	7°44	1° 8	8°58	9°13	1°32	n.a.	W 3
T 4	4 29 26	7°34'31	10♓19	1♐ 1	8° 9	10° 8	0°30	5°38	23° 8	7°43	1°10	8°R58	9°10	1°38	n.a.	T 4
F 5	4 33 23	8°35'47	24°32	2°36	9°23	10°41	0°38	5°45	23° 9	7°42	1°11	8°D58	9° 7	1°45	n.a.	F 5
S 6	4 37 19	9°37'01	8♈53	4°11	10°37	11°15	0°47	5°52	23°11	7°42	1°12	8°58	9° 3	1°52	n.a.	S 6
S 7	4 41 16	10°38'15	23°19	5°47	11°51	11°48	0°55	5°59	23°12	7°41	1°13	8°58	9° 0	1°59	n.a.	S 7
M 8	4 45 12	11°39'29	7♉46	7°23	13° 5	12°22	1° 3	6° 6	23°14	7°41	1°14	8°59	8°57	2° 5	n.a.	M 8
T 9	4 49 9	12°40'42	22° 9	8°59	14°19	12°56	1°11	6°13	23°15	7°40	1°15	8°59	8°54	2°12	n.a.	T 9
W10	4 53 6	13°41'55	6♊22	10°36	15°33	13°30	1°18	6°20	23°17	7°40	1°16	8°R59	8°51	2°19	n.a.	W10
T 11	4 57 2	14°43'07	20°21	12°14	16°47	14° 4	1°26	6°27	23°19	7°39	1°18	8°59	8°48	2°25	n.a.	T 11
F 12	5 0 59	15°44'18	4♋ 3	13°52	18° 0	14°38	1°33	6°34	23°20	7°39	1°19	8°58	8°44	2°32	n.a.	F 12
S 13	5 4 55	16°45'29	17°24	15°30	19°14	15°12	1°40	6°41	23°22	7°38	1°20	8°58	8°41	2°39	n.a.	S 13
S 14	5 8 52	17°46'40	0♌25	17° 9	20°28	15°46	1°48	6°48	23°24	7°38	1°21	8°57	8°38	2°46	n.a.	S 14
M15	5 12 48	18°47'50	13° 5	18°48	21°41	16°21	1°55	6°55	23°26	7°38	1°23	8°55	8°35	2°52	n.a.	M15
T 16	5 16 45	19°49'00	25°28	20°28	22°55	16°55	2° 1	7° 2	23°28	7°37	1°24	8°54	8°32	2°59	n.a.	T 16
W17	5 20 42	20°50'09	7♍36	22° 8	24° 9	17°30	2° 8	7° 9	23°30	7°37	1°25	8°53	8°29	3° 6	n.a.	W17
T 18	5 24 38	21°51'17	19°34	23°49	25°22	18° 4	2°15	7°16	23°32	7°37	1°27	8°D53	8°25	3°12	n.a.	T 18
F 19	5 28 35	22°52'26	1♎27	25°31	26°36	18°39	2°21	7°23	23°34	7°37	1°28	8°53	8°22	3°19	n.a.	F 19
S 20	5 32 31	23°53'33	13°18	27°13	27°49	19°14	2°27	7°30	23°36	7°37	1°29	8°54	8°19	3°26	n.a.	S 20
S 21	5 36 28	24°54'40	25°14	28°55	29° 2	19°49	2°34	7°37	23°38	7°36	1°31	8°55	8°16	3°32	n.a.	S 21
M22	5 40 24	25°55'46	7♏18	0♉38	0♒16	20°24	2°39	7°43	23°40	7°36	1°32	8°56	8°13	3°39	n.a.	M22
T 23	5 44 21	26°56'52	19°34	2°22	1°29	20°59	2°45	7°50	23°42	7°36	1°34	8°58	8° 9	3°46	n.a.	T 23
W24	5 48 17	27°57'57	2♐ 6	4° 6	2°42	21°34	2°51	7°57	23°44	7°D36	1°35	8°59	8° 6	3°53	n.a.	W24
T 25	5 52 14	28°59'01	14°55	5°50	3°55	22° 9	2°56	8° 4	23°47	7°36	1°36	8°R59	8° 3	3°59	n.a.	T 25
F 26	5 56 11	0♑ 0'04	28° 2	7°35	5° 8	22°45	3° 2	8°11	23°49	7°36	1°38	8°58	8° 0	4° 6	n.a.	F 26
S 27	6 0 7	1° 1'06	11♑26	9°20	6°21	23°20	3° 7	8°17	23°51	7°36	1°39	8°56	7°57	4°13	n.a.	S 27
S 28	6 4 4	2° 2'07	25° 6	11° 5	7°34	23°56	3°12	8°24	23°54	7°37	1°41	8°52	7°54	4°19	n.a.	S 28
M29	6 8 0	3° 3'06	8♒59	12°50	8°47	24°31	3°17	8°31	23°56	7°37	1°42	8°49	7°50	4°26	n.a.	M29
T 30	6 11 57	4° 4'04	23° 1	14°36	10° 0	25° 7	3°21	8°37	23°58	7°37	1°44	8°45	7°47	4°33	n.a.	T 30
W31	6 15 53	5♑ 5'01	7♓ 9	16♑21	11♒13	25♓42	3♎26	8♐44	24♒ 1	7♈37	1♒45	8♐42	7♐44	4♎40	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s19	16s42	4n 3	20s18	0s45	25s25	1s45	8s59	0s32	1n12	1n21	20s25	1n 4	14s44	0s46	1n16	2s 1	31s58	12s 8	22s 5	22s 8	4s54		n.a.
T 2	21 30	12 45	4 44	20 46	0 51	25 23	1 46	8 45	0 30	1 9	1 21	20 26	1 4	14 43	0 46	1 16	2 1	31 58	12 8	22 5	22 7	4 56		n.a.
W 3	21 41	8 4	5 10	21 13	0 57	25 20	1 46	8 31	0 29	1 6	1 21	20 27	1 4	14 43	0 46	1 15	2 1	31 57	12 8	22 5	22 7	4 58		n.a.
T 4	21 51	2 54	5 17	21 39	1 3	25 16	1 47	8 17	0 27	1 2	1 21	20 29	1 3	14 42	0 46	1 15	2 1	31 57	12 7	22 5	22 6	5 1		n.a.
F 5	22 1	2n28	5 6	22 4	1 8	25 12	1 47	8 3	0 25	0 59	1 22	20 30	1 3	14 42	0 46	1 15	2 1	31 56	12 7	22 5	22 6	5 3		n.a.
S 6	22 11	7 46	4 35	22 27	1 14	25 6	1 48	7 48	0 24	0 56	1 22	20 31	1 3	14 41	0 46	1 15	2 1	31 56	12 7	22 5	22 5	5 6		n.a.
S 7	22 20	12 41	3 47	22 50	1 19	25 0	1 48	7 34	0 22	0 53	1 22	20 33	1 3	14 41	0 46	1 15	2 1	31 55	12 7	22 5	22 5	5 8		n.a.
M 8	22 28	16 52	2 45	23 12	1 24	24 53	1 48	7 19	0 21	0 50	1 22	20 34	1 3	14 40	0 46	1 14	2 1	31 55	12 7	22 5	22 4	5 10		n.a.
T 9	22 36	20 1	1 32	23 32	1 28	24 46	1 49	7 5	0 19	0 47	1 22	20 35	1 3	14 39	0 46	1 14	2 1	31 54	12 6	22 5	22 4	5 13		n.a.
W10	22 44	21 53	0 15	23 51	1 33	24 38	1 49	6 50	0 18	0 44	1 23	20 36	1 3	14 39	0 46	1 14	2 1	31 54	12 6	22 5	22 3	5 15		n.a.
T 11	22 51	22 21	1s 3	24 9	1 37	24 29	1 49	6 36	0 16	0 41	1 23	20 38	1 3	14 38	0 46	1 14	2 0	31 54	12 6	22 5	22 3	5 17		n.a.
F 12	22 58	21 26	2 15	24 25	1 41	24 19	1 49	6 21	0 15	0 39	1 23	20 39	1 3	14 38	0 46	1 14	2 0	31 53	12 6	22 5	22 2	5 20		n.a.
S 13	23 5	19 20	3 17	24 41	1 45	24 8	1 49	6 7	0 13	0 36	1 23	20 40	1 3	14 37	0 46	1 14	2 0	31 53	12 6	22 5	22 2	5 22		n.a.
S 14	23 11	16 17	4 8	24 54	1 48	23 57	1 48	5 52	0 12	0 33	1 24	20 41	1 3	14 36	0 46	1 14	2 0	31 52	12 5	22 4	22 1	5 25		n.a.
M15	23 16	12 33	4 45	25 7	1 51	23 45	1 48	5 37	0 11	0 31	1 24	20 43	1 3	14 36	0 45	1 14	2 0	31 52	12 5	22 4	22 1	5 27		n.a.
T 16	23 21	8 22	5 8	25 17	1 54	23 32	1 48	5 22	0 9	0 28	1 24	20 44	1 3	14 35	0 45	1 14	2 0	31 51	12 5	22 4	22 0	5 29		n.a.
W17	23 25	3 56	5 17	25 26	1 56	23 19	1 47	5 7	0 8	0 25	1 24	20 45	1 3	14 34	0 45	1 14	2 0	31 51	12 5	22 4	22 0	5 32		n.a.
T 18	23 30	0s35	5 11	25 34	1 58	23 5	1 47	4 53	0 7	0 23	1 24	20 46	1 3	14 34	0 45	1 14	2 0	31 50	12 5	22 4	21 59	5 34		n.a.
F 19	23 33	5 3	4 53	25 40	2 0	22 50	1 46	4 38	0 5	0 21	1 25	20 47	1 3	14 33	0 45	1 13	2 0	31 50	12 5	22 4	21 59	5 36		n.a.
S 20	23 36	9 19	4 21	25 44	2 1	22 35	1 45	4 23	0 4	0 18	1 25	20 49	1 3	14 32	0 45	1 13	2 0	31 49	12 5	22 4	21 58	5 39		n.a.
S 21	23 39	13 16	3 39	25 47	2 2	22 19	1 45	4 8	0 3	0 16	1 25	20 50	1 3	14 32	0 45	1 14	2 0	31 49	12 4	22 4	21 58	5 41		n.a.
M22	23 41	16 44	2 46	25 47	2 2	22 2	1 44	3 53	0 2	0 14	1 25	20 51	1 3	14 31	0 45	1 14	2 0	31 48	12 4	22 4	21 57	5 44		n.a.
T 23	23 43	19 32	1 45	25 46	2 2	21 45	1 43	3 37	0 0	0 12	1 26	20 52	1 3	14 30	0 45	1 14	2 0	31 48	12 4	22 5	21 57	5 46		n.a.
W24	23 44	21 28	0 38	25 43	2 2	21 27	1 42	3 22	0n 1	0 10	1 26	20 53	1 3	14 29	0 45	1 14	2 0	31 47	12 4	22 5	21 56	5 48		n.a.
T 25	23 45	22 20	0n33	25 38	2 1	21 9	1 41	3 7	0 2	0 8	1 26	20 54	1 2	14 29	0 45	1 14	2 0	31 47	12 4	22 5	21 56	5 51		n.a.
F 26	23 45	22 1	1 43	25 31	2 0	20 50	1 39	2 52	0 3	0 6	1 26	20 55	1 2	14 28	0 45	1 14	1 59	31 47	12 4	22 5	21 55	5 53		n.a.
S 27	23 44	20 26	2 49	25 22	1 57	20 30	1 38	2 37	0 4	0 4	1 27	20 57	1 2	14 27	0 45	1 14	1 59	31 46	12 4	22 4	21 55	5 55		n.a.
S 28	23 44	17 40	3 47	25 11	1 55	20 10	1 37	2 22	0 5	0 2	1 27	20 58	1 2	14 26	0 45	1 14	1 59	31 46	12 4	22 4	21 54	5 58		n.a.
M29	23 43	13 52	4 32	24 58	1 52	19 49	1 35	2 6	0 7	0 1	1 27	20 59	1 2	14 25	0 45	1 14	1 59	31 45	12 3	22 3	21 54	6 0		n.a.
T 30	23 41	9 16	5 2	24 43	1 48	19 28	1 34	1 51	0 8	0s 1	1 27	21 0	1 2	14 24	0 45	1 14	1 59	31 45	12 3	22 3	21 53	6 2		n.a.
W31	23s39	4s 9	5n14	24s26	1s43	19s 6	1s32	1s36	0n 9	0s 3	1n28	21s 1	1n 2	14s24	0s45	1n14	1s59	31s44	12s 3	22s 2	21s53	6s 5		n.a.

Julian Day Number = 1565430.5, Delta T = 04h21m18s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'14, Lahiri = - 9°51'13 Julian Calendar 1 Dec. 428 BCE == Greg. Calendar 26 Nov. 428 BCE

The year -427 astronomical counting style corresponds to year 428 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

JANUARY 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 19 50	6♉ 5'56	21♓20	18♉ 5	12♒25	26♓18	3♎30	8♐50	24♒ 3	7♈37	1♒47	8°R40	7♐41	4♎46	n.a.	T 1
F 2	6 23 46	7° 6'49	5♈31	19°49	13°38	26°54	3°34	8°57	24° 6	7°38	1°48	8°D39	7°38	4°53	n.a.	F 2
S 3	6 27 43	8° 7'41	19°40	21°32	14°51	27°30	3°38	9° 3	24° 9	7°38	1°50	8♐39	7°35	5° 0	n.a.	S 3
S 4	6 31 40	9° 8'31	3♉45	23°14	16° 3	28° 5	3°42	9°10	24°11	7°39	1°51	8°41	7°31	5° 6	n.a.	S 4
M 5	6 35 36	10° 9'20	17°45	24°54	17°15	28°41	3°46	9°16	24°14	7°39	1°53	8°42	7°28	5°13	n.a.	M 5
T 6	6 39 33	11°10'07	1♊38	26°33	18°28	29°17	3°49	9°22	24°17	7°39	1°55	8°43	7°25	5°20	n.a.	T 6
W 7	6 43 29	12°10'52	15°23	28° 9	19°40	29°53	3°53	9°29	24°19	7°40	1°56	8°R43	7°22	5°27	n.a.	W 7
T 8	6 47 26	13°11'36	28°57	29°42	20°52	0♈29	3°56	9°35	24°22	7°40	1°58	8°42	7°19	5°33	n.a.	T 8
F 9	6 51 22	14°12'18	12♋18	1♒11	22° 4	1° 6	3°59	9°41	24°25	7°41	1°59	8°38	7°15	5°40	n.a.	F 9
S 10	6 55 19	15°12'59	25°25	2°37	23°16	1°42	4° 1	9°47	24°28	7°42	2° 1	8°33	7°12	5°47	n.a.	S 10
S 11	6 59 15	16°13'38	8♌17	3°57	24°28	2°18	4° 4	9°54	24°30	7°42	2° 3	8°27	7° 9	5°53	n.a.	S 11
M12	7 3 12	17°14'16	20°53	5°12	25°40	2°54	4° 6	10° 0	24°33	7°43	2° 4	8°19	7° 6	6° 0	n.a.	M12
T 13	7 7 9	18°14'52	3♍15	6°21	26°51	3°30	4° 8	10° 6	24°36	7°43	2° 6	8°12	7° 3	6° 7	n.a.	T 13
W14	7 11 5	19°15'27	15°23	7°24	28° 3	4° 7	4°10	10°12	24°39	7°44	2° 7	8° 6	7° 0	6°14	n.a.	W14
T 15	7 15 2	20°16'00	27°21	8°18	29°14	4°43	4°12	10°18	24°42	7°45	2° 9	8° 2	6°56	6°20	n.a.	T 15
F 16	7 18 58	21°16'32	9♎14	9° 4	0♓26	5°19	4°14	10°24	24°45	7°46	2°11	7°59	6°53	6°27	n.a.	F 16
S 17	7 22 55	22°17'02	21° 5	9°42	1°37	5°56	4°15	10°29	24°48	7°47	2°12	7°D58	6°50	6°34	n.a.	S 17
S 18	7 26 51	23°17'31	2♏59	10°10	2°48	6°32	4°17	10°35	24°51	7°47	2°14	7°58	6°47	6°40	n.a.	S 18
M19	7 30 48	24°17'58	15° 3	10°28	3°59	7° 9	4°18	10°41	24°54	7°48	2°16	8° 0	6°44	6°47	n.a.	M19
T 20	7 34 44	25°18'24	27°20	10°R36	5°10	7°45	4°19	10°47	24°57	7°49	2°17	8° 1	6°41	6°54	n.a.	T 20
W21	7 38 41	26°18'49	9♐55	10°34	6°21	8°22	4°19	10°52	25° 0	7°50	2°19	8°R 1	6°37	7° 0	n.a.	W21
T 22	7 42 38	27°19'12	22°52	10°22	7°31	8°58	4°20	10°58	25° 3	7°51	2°21	8° 0	6°34	7° 7	n.a.	T 22
F 23	7 46 34	28°19'33	6♑13	10° 1	8°42	9°35	4°20	11° 3	25° 6	7°52	2°22	7°57	6°31	7°14	n.a.	F 23
S 24	7 50 31	29°19'53	19°57	9°30	9°53	10°12	4°R20	11° 9	25°10	7°53	2°24	7°51	6°28	7°21	n.a.	S 24
S 25	7 54 27	0♒20'10	4♒ 2	8°51	11° 3	10°48	4°20	11°14	25°13	7°54	2°26	7°44	6°25	7°27	n.a.	S 25
M26	7 58 24	1°20'26	18°24	8° 5	12°13	11°25	4°20	11°20	25°16	7°55	2°27	7°35	6°21	7°34	n.a.	M26
T 27	8 2 20	2°20'39	2♓56	7°13	13°23	12° 2	4°20	11°25	25°19	7°56	2°29	7°26	6°18	7°41	n.a.	T 27
W28	8 6 17	3°20'51	17°31	6°15	14°33	12°39	4°19	11°30	25°22	7°58	2°31	7°18	6°15	7°47	n.a.	W28
T 29	8 10 13	4°21'00	2♈ 3	5°15	15°43	13°15	4°18	11°35	25°26	7°59	2°32	7°12	6°12	7°54	n.a.	T 29
F 30	8 14 10	5°21'07	16°26	4°13	16°53	13°52	4°17	11°40	25°29	8° 0	2°34	7° 8	6° 9	8° 1	n.a.	F 30
S 31	8 18 7	6♒21'12	0♉37	3♒10	18♓ 2	14♈29	4♎16	11♐45	25♒32	8♈ 1	2♒36	7°D 6	6♐ 6	8♎ 7	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23s36	1n12	5n 6	24s 7	1s38	18s44	1s30	1s20	0n10	0s 4	1n28	21s 2	1n 2	14s23	0s45	1n15	1s59	31s44	12s 3	22s 2	21s52	6s 7			n.a.
F 2	23 33	6 30	4 40	23 46	1 32	18 21	1 28	1 5	0 11	0 6	1 28	21 3	1 2	14 22	0 45	1 15	1 59	31 43	12 3	22 2	21 52	6 9			n.a.
S 3	23 30	11 26	3 57	23 24	1 25	17 58	1 26	0 50	0 12	0 7	1 28	21 4	1 2	14 21	0 45	1 15	1 59	31 43	12 3	22 2	21 51	6 12			n.a.
S 4	23 26	15 45	3 0	22 59	1 17	17 34	1 24	0 34	0 13	0 8	1 29	21 5	1 2	14 20	0 45	1 15	1 59	31 42	12 3	22 2	21 51	6 14			n.a.
M 5	23 21	19 8	1 52	22 33	1 9	17 10	1 22	0 19	0 14	0 9	1 29	21 6	1 2	14 19	0 45	1 15	1 59	31 42	12 3	22 2	21 50	6 16			n.a.
T 6	23 16	21 23	0 39	22 6	1 0	16 45	1 20	0 4	0 15	0 11	1 29	21 7	1 2	14 18	0 45	1 16	1 59	31 41	12 3	22 2	21 50	6 19			n.a.
W 7	23 11	22 20	0s36	21 37	0 50	16 20	1 18	0n12	0 16	0 12	1 29	21 8	1 2	14 17	0 45	1 16	1 59	31 41	12 3	22 2	21 49	6 21			n.a.
T 8	23 5	21 56	1 48	21 7	0 39	15 55	1 16	0 27	0 17	0 13	1 30	21 9	1 2	14 16	0 45	1 16	1 59	31 41	12 3	22 2	21 49	6 23			n.a.
F 9	22 59	20 18	2 53	20 36	0 27	15 29	1 13	0 43	0 18	0 14	1 30	21 10	1 2	14 15	0 45	1 16	1 59	31 40	12 3	22 2	21 48	6 26			n.a.
S 10	22 52	17 37	3 47	20 4	0 15	15 3	1 11	0 58	0 19	0 15	1 30	21 11	1 2	14 14	0 45	1 17	1 58	31 40	12 3	22 1	21 47	6 28			n.a.
S 11	22 45	14 7	4 28	19 32	0 1	14 36	1 8	1 14	0 20	0 15	1 30	21 12	1 2	14 13	0 45	1 17	1 58	31 39	12 3	22 0	21 47	6 30			n.a.
M12	22 37	10 3	4 56	19 0	0n13	14 9	1 5	1 29	0 21	0 16	1 31	21 13	1 2	14 12	0 45	1 17	1 58	31 39	12 2	21 59	21 46	6 32			n.a.
T 13	22 29	5 39	5 8	18 29	0 27	13 42	1 3	1 44	0 21	0 17	1 31	21 13	1 2	14 11	0 45	1 18	1 58	31 38	12 2	21 57	21 46	6 35			n.a.
W14	22 21	1 7	5 7	17 58	0 43	13 14	1 0	2 0	0 22	0 17	1 31	21 14	1 2	14 10	0 45	1 18	1 58	31 38	12 2	21 56	21 45	6 37			n.a.
T 15	22 12	3s24	4 52	17 29	0 58	12 46	0 57	2 15	0 23	0 18	1 31	21 15	1 2	14 9	0 45	1 18	1 58	31 38	12 2	21 56	21 45	6 39			n.a.
F 16	22 2	7 45	4 25	17 1	1 15	12 18	0 54	2 31	0 24	0 18	1 32	21 16	1 2	14 8	0 45	1 19	1 58	31 37	12 2	21 55	21 44	6 42			n.a.
S 17	21 53	11 49	3 47	16 35	1 31	11 50	0 51	2 46	0 25	0 19	1 32	21 17	1 2	14 7	0 45	1 19	1 58	31 37	12 2	21 55	21 44	6 44			n.a.
S 18	21 42	15 27	2 58	16 12	1 48	11 21	0 48	3 1	0 26	0 19	1 32	21 18	1 2	14 6	0 45	1 20	1 58	31 36	12 2	21 55	21 43	6 46			n.a.
M19	21 32	18 29	2 1	15 51	2 4	10 52	0 45	3 17	0 27	0 19	1 33	21 19	1 2	14 5	0 45	1 20	1 58	31 36	12 2	21 55	21 43	6 48			n.a.
T 20	21 21	20 45	0 58	15 33	2 20	10 23	0 41	3 32	0 27	0 19	1 33	21 19	1 2	14 4	0 45	1 20	1 58	31 35	12 2	21 56	21 42	6 51			n.a.
W21	21 10	22 3	0n10	15 19	2 36	9 53	0 38	3 47	0 28	0 19	1 33	21 20	1 2	14 3	0 45	1 21	1 58	31 35	12 2	21 56	21 42	6 53			n.a.
T 22	20 58	22 14	1 19	15 8	2 50	9 23	0 35	4 3	0 29	0 19	1 33	21 21	1 2	14 2	0 44	1 21	1 58	31 35	12 2	21 55	21 41	6 55			n.a.
F 23	20 46	21 10	2 26	15 1	3 4	8 53	0 31	4 18	0 30	0 19	1 34	21 22	1 2	14 1	0 44	1 22	1 58	31 34	12 2	21 55	21 40	6 58			n.a.
S 24	20 33	18 51	3 26	14 57	3 16	8 23	0 28	4 33	0 31	0 19	1 34	21 23	1 2	14 0	0 44	1 22	1 58	31 34	12 2	21 54	21 40	7 0			n.a.
S 25	20 20	15 22	4 15	14 57	3 27	7 53	0 24	4 49	0 31	0 19	1 34	21 23	1 2	13 59	0 44	1 23	1 57	31 33	12 2	21 53	21 39	7 2			n.a.
M26	20 7	10 56	4 49	15 0	3 36	7 23	0 20	5 4	0 32	0 18	1 34	21 24	1 2	13 58	0 44	1 23	1 57	31 33	12 2	21 51	21 39	7 4			n.a.
T 27	19 53	5 50	5 4	15 6	3 43	6 52	0 17	5 19	0 33	0 18	1 35	21 25	1 2	13 57	0 44	1 24	1 57	31 33	12 3	21 50	21 38	7 7			n.a.
W28	19 39	0 23	5 1	15 16	3 48	6 21	0 13	5 34	0 33	0 17	1 35	21 25	1 2	13 55	0 44	1 24	1 57	31 32	12 3	21 48	21 38	7 9			n.a.
T 29	19 25	5n 3	4 37	15 28	3 51	5 50	0 9	5 49	0 34	0 17	1 35	21 26	1 2	13 54	0 44	1 25	1 57	31 32	12 3	21 47	21 37	7 11			n.a.
F 30	19 10	10 10	3 57	15 42	3 52	5 19	0 5	6 4	0 35	0 16	1 35	21 27	1 2	13 53	0 44	1 25	1 57	31 32	12 3	21 47	21 37	7 13			n.a.
S 31	18s55	14n40	3n 2	15s58	3n50	4s48	0s 1	6n20	0n36	0s15	1n36	21s28	1n 2	13s52	0s44	1n26	1s57	31s31	12s 3	21s46	21s36	7s16			n.a.

Julian Day Number = 1565461.5, Delta T = 04h21m17s
Ecliptic obliquity = 23°44'45, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'09, Lahiri = - 9°51'09 Julian Calendar 1 Jan. 427 BCE == Greg. Calendar 27 Dec. 428 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

FEBRUARY 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 22 3	7♒21'14	14♉36	2°R 9	19♓11	15♈ 6	4°R15	11♐50	25♒35	8♈ 3	2♒37	7♐ 6	6♐ 2	8♎14	n.a.	S 1
M 2	8 26 0	8°21'15	28°21	1♒10	20°21	15°43	4♎13	11°55	25°39	8° 4	2°39	7° 7	5°59	8°21	n.a.	M 2
T 3	8 29 56	9°21'13	11♊53	0°14	21°30	16°20	4°11	12° 0	25°42	8° 5	2°41	7°R 7	5°56	8°28	n.a.	T 3
W 4	8 33 53	10°21'08	25°13	29♋24	22°39	16°57	4° 9	12° 5	25°45	8° 7	2°42	7° 6	5°53	8°34	n.a.	W 4
T 5	8 37 49	11°21'02	8♌22	28°38	23°47	17°34	4° 7	12°10	25°49	8° 8	2°44	7° 2	5°50	8°41	n.a.	T 5
F 6	8 41 46	12°20'53	21°21	27°59	24°56	18°11	4° 5	12°14	25°52	8° 9	2°45	6°55	5°47	8°48	n.a.	F 6
S 7	8 45 42	13°20'42	4♎ 8	27°25	26° 4	18°48	4° 2	12°19	25°55	8°11	2°47	6°45	5°43	8°54	n.a.	S 7
S 8	8 49 39	14°20'29	16°44	26°58	27°12	19°25	4° 0	12°23	25°59	8°12	2°49	6°34	5°40	9° 1	n.a.	S 8
M 9	8 53 36	15°20'13	29° 9	26°38	28°20	20° 2	3°57	12°28	26° 2	8°14	2°50	6°21	5°37	9° 8	n.a.	M 9
T 10	8 57 32	16°19'56	11♍23	26°24	29°28	20°39	3°54	12°32	26° 5	8°15	2°52	6° 8	5°34	9°14	n.a.	T 10
W11	9 1 29	17°19'37	23°27	26°17	0♈36	21°16	3°51	12°36	26° 9	8°17	2°54	5°57	5°31	9°21	n.a.	W11
T 12	9 5 25	18°19'15	5♎24	26°D15	1°43	21°53	3°47	12°40	26°12	8°18	2°55	5°47	5°27	9°28	n.a.	T 12
F 13	9 9 22	19°18'52	17°15	26°20	2°51	22°30	3°44	12°45	26°16	8°20	2°57	5°40	5°24	9°35	n.a.	F 13
S 14	9 13 18	20°18'27	29° 4	26°31	3°58	23° 7	3°40	12°49	26°19	8°22	2°58	5°36	5°21	9°41	n.a.	S 14
S 15	9 17 15	21°18'00	10♏57	26°46	5° 4	23°44	3°36	12°53	26°22	8°23	3° 0	5°34	5°18	9°48	n.a.	S 15
M16	9 21 11	22°17'31	22°58	27° 8	6°11	24°21	3°32	12°56	26°26	8°25	3° 2	5°D33	5°15	9°55	n.a.	M16
T 17	9 25 8	23°17'00	5♐13	27°34	7°17	24°58	3°28	13° 0	26°29	8°27	3° 3	5°R33	5°12	10° 1	n.a.	T 17
W18	9 29 4	24°16'27	17°46	28° 4	8°24	25°35	3°23	13° 4	26°33	8°28	3° 5	5°33	5° 8	10° 8	n.a.	W18
T 19	9 33 1	25°15'53	0♋43	28°39	9°29	26°12	3°19	13° 8	26°36	8°30	3° 6	5°31	5° 5	10°15	n.a.	T 19
F 20	9 36 58	26°15'17	14° 7	29°18	10°35	26°49	3°14	13°11	26°40	8°32	3° 8	5°26	5° 2	10°21	n.a.	F 20
S 21	9 40 54	27°14'38	27°59	0♒ 1	11°41	27°27	3° 9	13°15	26°43	8°34	3°10	5°19	4°59	10°28	n.a.	S 21
S 22	9 44 51	28°13'58	12♒18	0°47	12°46	28° 4	3° 4	13°18	26°46	8°35	3°11	5° 9	4°56	10°35	n.a.	S 22
M23	9 48 47	29°13'15	27° 0	1°37	13°51	28°41	2°59	13°21	26°50	8°37	3°13	4°58	4°52	10°42	n.a.	M23
T 24	9 52 44	0♓12'31	11♓55	2°30	14°55	29°18	2°54	13°24	26°53	8°39	3°14	4°46	4°49	10°48	n.a.	T 24
W25	9 56 40	1°11'44	26°56	3°26	16° 0	29°55	2°48	13°28	26°57	8°41	3°16	4°36	4°46	10°55	n.a.	W25
T 26	10 0 37	2°10'55	11♈52	4°25	17° 4	0♉33	2°43	13°31	27° 0	8°43	3°17	4°27	4°43	11° 2	n.a.	T 26
F 27	10 4 33	3°10'03	26°35	5°27	18° 8	1°10	2°37	13°34	27° 3	8°45	3°19	4°21	4°40	11° 8	n.a.	F 27
S 28	10 8 30	4♓ 9'09	11♉ 1	6♒31	19♈12	1♉47	2♎31	13♐36	27♒ 7	8♈47	3♒20	4♐18	4♐37	11♎15	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	18s40	18n17	1n57	16s15	3n47	4s17	0n 3	6n35	0n36	0s15	1n36	21s28	1n 2	13s51	0s44	1n26	1s57	31s31	12s 3	21s46	21s35	7s18			n.a.
M 2	18 24	20 48	0 47	16 33	3 41	3 46	0 7	6 50	0 37	0 14	1 36	21 29	1 2	13 50	0 44	1 27	1 57	31 31	12 3	21 47	21 35	7 20			n.a.
T 3	18 9	22 5	0s25	16 52	3 34	3 15	0 11	7 5	0 38	0 13	1 36	21 30	1 2	13 49	0 44	1 28	1 57	31 30	12 3	21 47	21 34	7 23			n.a.
W 4	17 52	22 5	1 35	17 11	3 25	2 43	0 15	7 20	0 38	0 12	1 37	21 30	1 2	13 47	0 44	1 28	1 57	31 30	12 3	21 46	21 34	7 25			n.a.
T 5	17 36	20 51	2 38	17 31	3 15	2 12	0 20	7 35	0 39	0 11	1 37	21 31	1 2	13 46	0 44	1 29	1 57	31 30	12 3	21 46	21 33	7 27			n.a.
F 6	17 19	18 32	3 32	17 49	3 4	1 41	0 24	7 49	0 39	0 10	1 37	21 31	1 2	13 45	0 44	1 29	1 57	31 29	12 3	21 45	21 33	7 29			n.a.
S 7	17 2	15 21	4 15	18 8	2 52	1 9	0 28	8 4	0 40	0 8	1 37	21 32	1 2	13 44	0 44	1 30	1 57	31 29	12 3	21 43	21 32	7 31			n.a.
S 8	16 44	11 30	4 44	18 26	2 39	0 38	0 32	8 19	0 41	0 7	1 38	21 32	1 2	13 43	0 44	1 31	1 57	31 29	12 3	21 41	21 32	7 34			n.a.
M 9	16 27	7 15	4 59	18 42	2 26	0 6	0 37	8 34	0 41	0 6	1 38	21 33	1 2	13 42	0 44	1 31	1 57	31 28	12 3	21 39	21 31	7 36			n.a.
T 10	16 9	2 46	5 0	18 58	2 13	0n25	0 41	8 48	0 42	0 4	1 38	21 34	1 2	13 41	0 44	1 32	1 57	31 28	12 4	21 37	21 30	7 38			n.a.
W11	15 50	1s46	4 48	19 13	1 59	0 56	0 46	9 3	0 42	0 3	1 38	21 34	1 2	13 39	0 44	1 33	1 57	31 28	12 4	21 34	21 30	7 40			n.a.
T 12	15 32	6 11	4 23	19 27	1 45	1 28	0 50	9 18	0 43	0 1	1 38	21 35	1 2	13 38	0 44	1 33	1 56	31 27	12 4	21 33	21 29	7 43			n.a.
F 13	15 13	10 20	3 47	19 40	1 31	1 59	0 55	9 32	0 44	0n 0	1 39	21 35	1 2	13 37	0 44	1 34	1 56	31 27	12 4	21 32	21 29	7 45			n.a.
S 14	14 54	14 6	3 1	19 51	1 17	2 30	0 59	9 47	0 44	0 2	1 39	21 36	1 2	13 36	0 44	1 35	1 56	31 27	12 4	21 31	21 28	7 47			n.a.
S 15	14 35	17 18	2 7	20 2	1 4	3 1	1 4	10 1	0 45	0 4	1 39	21 36	1 2	13 35	0 44	1 35	1 56	31 26	12 4	21 30	21 28	7 49			n.a.
M16	14 16	19 49	1 6	20 11	0 50	3 32	1 9	10 15	0 45	0 6	1 39	21 37	1 2	13 33	0 44	1 36	1 56	31 26	12 4	21 30	21 27	7 52			n.a.
T 17	13 56	21 28	0 2	20 18	0 37	4 3	1 13	10 30	0 46	0 7	1 40	21 37	1 2	13 32	0 44	1 37	1 56	31 26	12 4	21 30	21 26	7 54			n.a.
W18	13 36	22 6	1n 4	20 24	0 25	4 34	1 18	10 44	0 46	0 9	1 40	21 38	1 2	13 31	0 44	1 38	1 56	31 26	12 5	21 30	21 26	7 56			n.a.
T 19	13 16	21 36	2 9	20 29	0 13	5 4	1 23	10 58	0 47	0 11	1 40	21 38	1 2	13 30	0 44	1 38	1 56	31 25	12 5	21 30	21 25	7 58			n.a.
F 20	12 56	19 51	3 9	20 33	0 1	5 35	1 27	11 12	0 47	0 13	1 40	21 38	1 2	13 29	0 44	1 39	1 56	31 25	12 5	21 29	21 25	8 0			n.a.
S 21	12 35	16 55	4 0	20 35	0s11	6 5	1 32	11 26	0 48	0 16	1 40	21 39	1 3	13 28	0 44	1 40	1 56	31 25	12 5	21 28	21 24	8 3			n.a.
S 22	12 14	12 53	4 37	20 36	0 22	6 35	1 37	11 40	0 48	0 18	1 40	21 39	1 3	13 26	0 44	1 40	1 56	31 25	12 5	21 26	21 23	8 5			n.a.
M23	11 53	8 1	4 58	20 35	0 33	7 5	1 41	11 54	0 49	0 20	1 41	21 40	1 3	13 25	0 44	1 41	1 56	31 24	12 5	21 24	21 23	8 7			n.a.
T 24	11 32	2 36	4 58	20 33	0 43	7 35	1 46	12 8	0 49	0 22	1 41	21 40	1 3	13 24	0 44	1 42	1 56	31 24	12 5	21 22	21 22	8 9			n.a.
W25	11 11	3n 1	4 38	20 29	0 52	8 4	1 51	12 22	0 50	0 25	1 41	21 40	1 3	13 23	0 44	1 43	1 56	31 24	12 6	21 20	21 22	8 11			n.a.
T 26	10 50	8 25	3 59	20 24	1 2	8 34	1 56	12 36	0 50	0 27	1 41	21 41	1 3	13 22	0 44	1 44	1 56	31 24	12 6	21 18	21 21	8 14			n.a.
F 27	10 28	13 15	3 5	20 17	1 10	9 3	2 0	12 49	0 51	0 29	1 41	21 41	1 3	13 20	0 44	1 44	1 56	31 24	12 6	21 17	21 21	8 16			n.a.
S 28	10s 7	17n13	2n 0	20s 9	1s19	9n32	2n 5	13n 3	0n51	0n32	1n41	21s41	1n 3	13s19	0s44	1n45	1s56	31s23	12s 6	21s17	21s20	8s18			n.a.

Julian Day Number = 1565492.5, Delta T = 04h21m16s
Ecliptic obliquity = 23°44'45, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'05, Lahiri = - 9°51'05 Julian Calendar 1 Feb. 427 BCE == Greg. Calendar 27 Jan. 427 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

MARCH 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 12 27	5♓ 8'13	25♉ 6	7♒38	20♈15	2♉24	2°R25	13♐39	27♒10	8♈49	3♒22	4°R17	4♐33	11♎22	n.a.	S 1
M 2	10 16 23	6° 7'14	8♊50	8°47	21°18	3° 1	2♎19	13°42	27°14	8°51	3°23	4♐17	4°30	11°28	n.a.	M 2
T 3	10 20 20	7° 6'13	22°14	9°58	22°20	3°39	2°13	13°44	27°17	8°52	3°24	4°17	4°27	11°35	n.a.	T 3
W 4	10 24 16	8° 5'09	5♋22	11°11	23°23	4°16	2° 7	13°47	27°20	8°54	3°26	4°15	4°24	11°42	n.a.	W 4
T 5	10 28 13	9° 4'03	18°14	12°27	24°25	4°53	2° 0	13°49	27°24	8°56	3°27	4°10	4°21	11°49	n.a.	T 5
F 6	10 32 9	10° 2'54	0♌55	13°44	25°26	5°30	1°54	13°52	27°27	8°58	3°29	4° 3	4°18	11°55	n.a.	F 6
S 7	10 36 6	11° 1'44	13°24	15° 4	26°27	6° 8	1°47	13°54	27°31	9° 1	3°30	3°53	4°14	12° 2	n.a.	S 7
S 8	10 40 2	12° 0'31	25°45	16°25	27°28	6°45	1°40	13°56	27°34	9° 3	3°31	3°40	4°11	12° 9	n.a.	S 8
M 9	10 43 59	12°59'15	7♍56	17°48	28°29	7°22	1°34	13°58	27°37	9° 5	3°33	3°26	4° 8	12°15	n.a.	M 9
T 10	10 47 55	13°57'58	20° 1	19°13	29°29	7°59	1°27	14° 0	27°41	9° 7	3°34	3°13	4° 5	12°22	n.a.	T 10
W11	10 51 52	14°56'39	1♎58	20°40	0♉28	8°37	1°20	14° 2	27°44	9° 9	3°35	3° 0	4° 2	12°29	n.a.	W11
T 12	10 55 49	15°55'17	13°51	22° 9	1°28	9°14	1°13	14° 4	27°47	9°11	3°37	2°49	3°58	12°35	n.a.	T 12
F 13	10 59 45	16°53'54	25°41	23°39	2°27	9°51	1° 5	14° 5	27°50	9°13	3°38	2°41	3°55	12°42	n.a.	F 13
S 14	11 3 42	17°52'29	7♏30	25°11	3°25	10°29	0°58	14° 7	27°54	9°15	3°39	2°36	3°52	12°49	n.a.	S 14
S 15	11 7 38	18°51'02	19°23	26°44	4°23	11° 6	0°51	14° 8	27°57	9°17	3°41	2°33	3°49	12°55	n.a.	S 15
M16	11 11 35	19°49'33	1♐23	28°20	5°20	11°43	0°43	14°10	28° 0	9°19	3°42	2°D33	3°46	13° 2	n.a.	M16
T 17	11 15 31	20°48'02	13°36	29°57	6°17	12°20	0°36	14°11	28° 3	9°22	3°43	2°33	3°43	13° 9	n.a.	T 17
W18	11 19 28	21°46'30	26° 6	1♓35	7°14	12°58	0°29	14°12	28° 7	9°24	3°44	2°R33	3°39	13°16	n.a.	W18
T 19	11 23 24	22°44'56	9♑ 0	3°15	8° 9	13°35	0°21	14°13	28°10	9°26	3°45	2°32	3°36	13°22	n.a.	T 19
F 20	11 27 21	23°43'21	22°20	4°57	9° 5	14°12	0°14	14°14	28°13	9°28	3°47	2°29	3°33	13°29	n.a.	F 20
S 21	11 31 18	24°41'43	6♒10	6°41	10° 0	14°50	0° 6	14°15	28°16	9°30	3°48	2°23	3°30	13°36	n.a.	S 21
S 22	11 35 14	25°40'04	20°29	8°26	10°54	15°27	29♍58	14°16	28°19	9°32	3°49	2°15	3°27	13°42	n.a.	S 22
M23	11 39 11	26°38'23	5♓14	10°13	11°48	16° 4	29°51	14°17	28°22	9°35	3°50	2° 6	3°24	13°49	n.a.	M23
T 24	11 43 7	27°36'40	20°18	12° 2	12°41	16°42	29°43	14°17	28°25	9°37	3°51	1°56	3°20	13°56	n.a.	T 24
W25	11 47 4	28°34'56	5♈32	13°52	13°33	17°19	29°35	14°18	28°29	9°39	3°52	1°47	3°17	14° 2	n.a.	W25
T 26	11 51 0	29°33'09	20°45	15°44	14°25	17°56	29°28	14°18	28°32	9°41	3°53	1°40	3°14	14° 9	n.a.	T 26
F 27	11 54 57	0♈31'21	5♉46	17°38	15°16	18°33	29°20	14°18	28°35	9°43	3°54	1°35	3°11	14°16	n.a.	F 27
S 28	11 58 53	1°29'31	20°28	19°33	16° 6	19°11	29°12	14°19	28°38	9°46	3°55	1°33	3° 8	14°22	n.a.	S 28
S 29	12 2 50	2°27'38	4♊46	21°30	16°56	19°48	29° 5	14°19	28°41	9°48	3°56	1°D32	3° 4	14°29	n.a.	S 29
M30	12 6 46	3°25'44	18°39	23°29	17°45	20°25	28°57	14°R19	28°44	9°50	3°57	1°33	3° 1	14°36	n.a.	M30
T 31	12 10 43	4♈23'47	2♋ 7	25♓29	18♉33	21♉ 3	28♍50	14♐19	28♒47	9♈52	3♒58	1°R34	2♐58	14♎43	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	9s45	20n 4	0n48	19s59	1s27	10n 1	2n10	13n16	0n52	0n35	1n42	21s42	1n 3	13s18	0s44	1n46	1s56	31s23	12s 6	21s16		21s19		8s20			n.a.
M 2	9 23	21 40	0s24	19 48	1 34	10 29	2 15	13 30	0 52	0 37	1 42	21 42	1 3	13 17	0 44	1 47	1 56	31 23	12 7	21 16		21 19		8 22			n.a.
T 3	9 1	21 58	1 33	19 35	1 41	10 57	2 19	13 43	0 53	0 40	1 42	21 42	1 3	13 16	0 44	1 48	1 56	31 23	12 7	21 16		21 18		8 24			n.a.
W 4	8 39	21 2	2 36	19 21	1 47	11 25	2 24	13 56	0 53	0 42	1 42	21 42	1 3	13 15	0 44	1 48	1 56	31 23	12 7	21 16		21 18		8 27			n.a.
T 5	8 16	19 1	3 30	19 5	1 53	11 53	2 29	14 9	0 53	0 45	1 42	21 43	1 3	13 13	0 44	1 49	1 56	31 23	12 7	21 15		21 17		8 29			n.a.
F 6	7 54	16 7	4 12	18 48	1 58	12 20	2 33	14 22	0 54	0 48	1 42	21 43	1 3	13 12	0 44	1 50	1 56	31 22	12 7	21 14		21 16		8 31			n.a.
S 7	7 31	12 31	4 41	18 29	2 3	12 47	2 38	14 35	0 54	0 51	1 42	21 43	1 3	13 11	0 44	1 51	1 56	31 22	12 8	21 12		21 16		8 33			n.a.
S 8	7 9	8 26	4 57	18 9	2 8	13 13	2 42	14 48	0 55	0 53	1 42	21 43	1 3	13 10	0 44	1 52	1 56	31 22	12 8	21 9		21 15		8 35			n.a.
M 9	6 46	4 5	4 59	17 47	2 12	13 40	2 47	15 1	0 55	0 56	1 43	21 44	1 3	13 9	0 44	1 53	1 55	31 22	12 8	21 7		21 15		8 37			n.a.
T 10	6 23	0s24	4 47	17 23	2 15	14 6	2 51	15 13	0 55	0 59	1 43	21 44	1 3	13 8	0 44	1 53	1 55	31 22	12 8	21 4		21 14		8 40			n.a.
W11	6 0	4 49	4 23	16 58	2 18	14 31	2 56	15 26	0 56	1 2	1 43	21 44	1 3	13 6	0 44	1 54	1 55	31 22	12 9	21 2		21 13		8 42			n.a.
T 12	5 37	9 1	3 48	16 31	2 20	14 57	3 0	15 38	0 56	1 5	1 43	21 44	1 3	13 5	0 44	1 55	1 55	31 22	12 9	20 59		21 13		8 44			n.a.
F 13	5 14	12 52	3 2	16 2	2 22	15 22	3 5	15 51	0 57	1 8	1 43	21 44	1 3	13 4	0 44	1 56	1 55	31 22	12 9	20 58		21 12		8 46			n.a.
S 14	4 51	16 13	2 9	15 33	2 24	15 46	3 9	16 3	0 57	1 11	1 43	21 45	1 3	13 3	0 44	1 57	1 55	31 22	12 9	20 57		21 12		8 48			n.a.
S 15	4 28	18 54	1 9	15 1	2 24	16 10	3 13	16 15	0 57	1 14	1 43	21 45	1 3	13 2	0 44	1 58	1 55	31 21	12 10	20 56		21 11		8 50			n.a.
M16	4 5	20 48	0 6	14 28	2 25	16 34	3 18	16 27	0 58	1 17	1 43	21 45	1 3	13 1	0 44	1 59	1 55	31 21	12 10	20 56		21 10		8 52			n.a.
T 17	3 41	21 45	0n58	13 53	2 25	16 57	3 22	16 39	0 58	1 20	1 43	21 45	1 3	13 0	0 44	1 59	1 55	31 21	12 10	20 56		21 10		8 55			n.a.
W18	3 18	21 39	2 2	13 17	2 24	17 20	3 26	16 51	0 58	1 23	1 43	21 45	1 3	12 59	0 44	2 0	1 55	31 21	12 10	20 56		21 9		8 57			n.a.
T 19	2 55	20 26	3 1	12 39	2 23	17 42	3 30	17 3	0 59	1 26	1 43	21 45	1 3	12 57	0 44	2 1	1 55	31 21	12 11	20 56		21 9		8 59			n.a.
F 20	2 31	18 3	3 53	12 0	2 21	18 4	3 34	17 15	0 59	1 29	1 43	21 45	1 3	12 56	0 44	2 2	1 55	31 21	12 11	20 55		21 8		9 1			n.a.
S 21	2 8	14 34	4 32	11 19	2 19	18 26	3 38	17 26	0 59	1 32	1 43	21 45	1 3	12 55	0 44	2 3	1 55	31 21	12 11	20 54		21 7		9 3			n.a.
S 22	1 45	10 9	4 57	10 36	2 16	18 47	3 41	17 38	1 0	1 35	1 43	21 45	1 3	12 54	0 44	2 4	1 55	31 21	12 11	20 53		21 7		9 5			n.a.
M23	1 21	5 1	5 3	9 52	2 12	19 8	3 45	17 49	1 0	1 38	1 43	21 45	1 3	12 53	0 45	2 5	1 55	31 21	12 12	20 51		21 6		9 7			n.a.
T 24	0 58	0n31	4 48	9 7	2 8	19 28	3 49	18 0	1 0	1 41	1 43	21 45	1 3	12 52	0 45	2 6	1 55	31 21	12 12	20 49		21 6		9 9			n.a.
W25	0 34	6 5	4 13	8 20	2 4	19 48	3 52	18 11	1 1	1 44	1 43	21 45	1 3	12 51	0 45	2 7	1 55	31 21	12 12	20 47		21 5		9 12			n.a.
T 26	0 11	11 17	3 20	7 31	1 59	20 7	3 56	18 22	1 1	1 47	1 43	21 46	1 3	12 50	0 45	2 7	1 55	31 21	12 12	20 46		21 4		9 14			n.a.
F 27	0n13	15 42	2 13	6 41	1 54	20 25	3 59	18 33	1 1	1 50	1 43	21 46	1 3	12 49	0 45	2 8	1 55	31 21	12 13	20 45		21 4		9 16			n.a.
S 28	0 36	19 2	0 59	5 50	1 47	20 44	4 2	18 44	1 1	1 54	1 43	21 46	1 4	12 48	0 45	2 9	1 55	31 21	12 13	20 44		21 3		9 18			n.a.
S 29	0 59	21 5	0s17	4 57	1 41	21 1	4 5	18 54	1 2	1 57	1 43	21 46	1 4	12 47	0 45	2 10	1 55	31 21	12 13	20 44		21 2		9 20			n.a.
M30	1 23	21 45	1 30	4 3	1 34	21 18	4 8	19 5	1 2	2 0	1 43	21 45	1 4	12 46	0 45	2 11	1 55	31 21	12 14	20 44		21 2		9 22			n.a.
T 31	1n46	21n 8	2s36	3s 8	1s26	21n35	4n11	19n15	1n 2	2n 3	1n43	21s45	1n 4	12s45	0s45	2n12	1s55	31s21	12s14	20s44		21s 1		9s24			n.a.

Julian Day Number = 1565520.5, Delta T = 04h21m15s
Ecliptic obliquity = 23°44'45, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°58'01, Lahiri = - 9°51'01 Julian Calendar 1 March 427 BCE == Greg. Calendar 24 Feb. 427 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

APRIL 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 14 40	5♈21'49	15♋12	27♓31	19♉20	21♉40	28°R42	14°R18	28♒49	9♈55	3♒59	1°R33	2♐55	14♎49	n.a.	W 1
T 2	12 18 36	6°19'48	27°59	29°35	20° 6	22°17	28♍34	14♐18	28°52	9°57	4° 0	1♐31	2°52	14°56	n.a.	T 2
F 3	12 22 33	7°17'45	10♌30	1♈39	20°52	22°55	28°27	14°18	28°55	9°59	4° 1	1°26	2°49	15° 3	n.a.	F 3
S 4	12 26 29	8°15'40	22°49	3°46	21°37	23°32	28°19	14°17	28°58	10° 1	4° 2	1°20	2°45	15° 9	n.a.	S 4
S 5	12 30 26	9°13'34	4♍58	5°53	22°20	24° 9	28°12	14°17	29° 1	10° 4	4° 3	1°11	2°42	15°16	n.a.	S 5
M 6	12 34 22	10°11'25	16°59	8° 1	23° 3	24°47	28° 5	14°16	29° 4	10° 6	4° 4	1° 2	2°39	15°23	n.a.	M 6
T 7	12 38 19	11° 9'15	28°56	10°10	23°44	25°24	27°57	14°15	29° 6	10° 8	4° 4	0°52	2°36	15°29	n.a.	T 7
W 8	12 42 15	12° 7'04	10♎48	12°20	24°25	26° 1	27°50	14°15	29° 9	10°10	4° 5	0°43	2°33	15°36	n.a.	W 8
T 9	12 46 12	13° 4'50	22°38	14°31	25° 4	26°39	27°43	14°14	29°12	10°13	4° 6	0°36	2°29	15°43	n.a.	T 9
F 10	12 50 9	14° 2'35	4♏28	16°41	25°42	27°16	27°36	14°13	29°14	10°15	4° 7	0°31	2°26	15°49	n.a.	F 10
S 11	12 54 5	15° 0'19	16°20	18°52	26°19	27°53	27°29	14°11	29°17	10°17	4° 7	0°28	2°23	15°56	n.a.	S 11
S 12	12 58 2	15°58'01	28°16	21° 2	26°55	28°31	27°22	14°10	29°20	10°19	4° 8	0°D27	2°20	16° 3	n.a.	S 12
M13	13 1 58	16°55'43	10♐21	23°11	27°30	29° 8	27°15	14° 9	29°22	10°22	4° 9	0°27	2°17	16° 9	n.a.	M13
T 14	13 5 55	17°53'22	22°37	25°19	28° 3	29°45	27° 8	14° 8	29°25	10°24	4° 9	0°28	2°14	16°16	n.a.	T 14
W15	13 9 51	18°51'01	5♑ 9	27°27	28°35	0♊23	27° 1	14° 6	29°27	10°26	4°10	0°30	2°10	16°23	n.a.	W15
T 16	13 13 48	19°48'39	18° 0	29°33	29° 5	1° 0	26°55	14° 4	29°30	10°28	4°11	0°R30	2° 7	16°30	n.a.	T 16
F 17	13 17 44	20°46'15	1♒16	1♉37	29°34	1°38	26°48	14° 3	29°32	10°31	4°11	0°30	2° 4	16°36	n.a.	F 17
S 18	13 21 41	21°43'51	14°59	3°39	0♊ 1	2°15	26°42	14° 1	29°35	10°33	4°12	0°28	2° 1	16°43	n.a.	S 18
S 19	13 25 38	22°41'25	29° 9	5°39	0°27	2°52	26°36	13°59	29°37	10°35	4°12	0°24	1°58	16°50	n.a.	S 19
M20	13 29 34	23°38'58	13♓45	7°37	0°51	3°30	26°29	13°57	29°39	10°37	4°13	0°20	1°55	16°56	n.a.	M20
T 21	13 33 31	24°36'30	28°42	9°32	1°13	4° 7	26°23	13°55	29°42	10°40	4°13	0°14	1°51	17° 3	n.a.	T 21
W22	13 37 27	25°34'01	13♈53	11°25	1°34	4°44	26°17	13°53	29°44	10°42	4°14	0°10	1°48	17°10	n.a.	W22
T 23	13 41 24	26°31'31	29° 7	13°15	1°52	5°22	26°12	13°51	29°46	10°44	4°14	0° 6	1°45	17°16	n.a.	T 23
F 24	13 45 20	27°29'00	14♉14	15° 2	2° 9	5°59	26° 6	13°49	29°48	10°46	4°15	0° 3	1°42	17°23	n.a.	F 24
S 25	13 49 17	28°26'27	29° 5	16°46	2°24	6°36	26° 0	13°46	29°50	10°48	4°15	0°D 3	1°39	17°30	n.a.	S 25
S 26	13 53 13	29°23'54	13♊34	18°28	2°37	7°14	25°55	13°44	29°52	10°50	4°15	0° 3	1°35	17°36	n.a.	S 26
M27	13 57 10	0♉21'19	27°37	20° 7	2°48	7°51	25°50	13°41	29°55	10°53	4°16	0° 4	1°32	17°43	n.a.	M27
T 28	14 1 7	1°18'42	11♋14	21°42	2°57	8°29	25°45	13°39	29°57	10°55	4°16	0° 6	1°29	17°50	n.a.	T 28
W29	14 5 3	2°16'05	24°25	23°15	3° 3	9° 6	25°40	13°36	29°59	10°57	4°16	0° 7	1°26	17°56	n.a.	W29
T 30	14 9 0	3♉13'26	7♌13	24♉45	3♊ 7	9♊43	25♍35	13♐33	0♓ 1	10♈59	4♒17	0°R 7	1♐23	18♎ 3	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n 9	19n21	3s32	2s12	1s18	21n51	4n14	19n25	1n 3	2n 6	1n43	21s45	1n 4	12s44	0s45	2n13	1s55	31s21	12s14	20s44	21s 1	9s26		n.a.
T 2	2 33	16 39	4 16	1 14	1 10	22 6	4 17	19 35	1 3	2 9	1 43	21 45	1 4	12 43	0 45	2 14	1 55	31 21	12 15	20 44	21 0	9 28		n.a.
F 3	2 56	13 14	4 46	0 16	1 1	22 21	4 19	19 45	1 3	2 12	1 43	21 45	1 4	12 42	0 45	2 15	1 55	31 21	12 15	20 43	20 59	9 30		n.a.
S 4	3 19	9 19	5 3	0n44	0 52	22 36	4 21	19 55	1 3	2 14	1 43	21 45	1 4	12 41	0 45	2 16	1 55	31 21	12 15	20 41	20 59	9 33		n.a.
S 5	3 42	5 5	5 5	1 43	0 42	22 49	4 23	20 5	1 4	2 17	1 43	21 45	1 4	12 40	0 45	2 16	1 55	31 22	12 15	20 40	20 58	9 35		n.a.
M 6	4 5	0 41	4 54	2 44	0 32	23 3	4 25	20 14	1 4	2 20	1 42	21 45	1 4	12 39	0 45	2 17	1 55	31 22	12 16	20 38	20 57	9 37		n.a.
T 7	4 28	3s42	4 31	3 45	0 22	23 15	4 27	20 24	1 4	2 23	1 42	21 45	1 4	12 38	0 45	2 18	1 55	31 22	12 16	20 36	20 57	9 39		n.a.
W 8	4 51	7 55	3 55	4 46	0 11	23 27	4 29	20 33	1 4	2 26	1 42	21 45	1 4	12 37	0 45	2 19	1 55	31 22	12 16	20 34	20 56	9 41		n.a.
T 9	5 14	11 50	3 10	5 47	0 1	23 38	4 30	20 42	1 5	2 29	1 42	21 45	1 4	12 36	0 45	2 20	1 55	31 22	12 17	20 32	20 56	9 43		n.a.
F 10	5 36	15 18	2 16	6 47	0n10	23 49	4 32	20 51	1 5	2 31	1 42	21 45	1 4	12 35	0 45	2 21	1 55	31 22	12 17	20 31	20 55	9 45		n.a.
S 11	5 59	18 8	1 16	7 48	0 20	23 59	4 33	21 0	1 5	2 34	1 42	21 44	1 4	12 34	0 45	2 22	1 55	31 22	12 17	20 30	20 54	9 47		n.a.
S 12	6 22	20 13	0 12	8 47	0 31	24 9	4 33	21 9	1 5	2 37	1 42	21 44	1 4	12 33	0 45	2 23	1 55	31 22	12 18	20 30	20 54	9 49		n.a.
M13	6 44	21 24	0n54	9 46	0 41	24 18	4 34	21 17	1 5	2 39	1 42	21 44	1 4	12 32	0 45	2 24	1 55	31 22	12 18	20 30	20 53	9 51		n.a.
T 14	7 6	21 35	1 57	10 43	0 52	24 26	4 34	21 26	1 6	2 42	1 41	21 44	1 4	12 32	0 45	2 24	1 55	31 23	12 18	20 31	20 52	9 53		n.a.
W15	7 29	20 42	2 57	11 39	1 1	24 33	4 34	21 34	1 6	2 45	1 41	21 44	1 4	12 31	0 45	2 25	1 55	31 23	12 19	20 31	20 52	9 55		n.a.
T 16	7 51	18 43	3 50	12 33	1 11	24 40	4 34	21 42	1 6	2 47	1 41	21 43	1 4	12 30	0 45	2 26	1 55	31 23	12 19	20 31	20 51	9 57		n.a.
F 17	8 13	15 43	4 32	13 26	1 20	24 46	4 34	21 50	1 6	2 50	1 41	21 43	1 4	12 29	0 45	2 27	1 55	31 23	12 19	20 31	20 50	9 59		n.a.
S 18	8 34	11 46	5 0	14 17	1 29	24 51	4 33	21 58	1 6	2 52	1 41	21 43	1 4	12 28	0 45	2 28	1 55	31 23	12 20	20 31	20 50	10 1		n.a.
S 19	8 56	7 4	5 11	15 6	1 37	24 56	4 32	22 5	1 7	2 54	1 41	21 43	1 4	12 27	0 45	2 29	1 55	31 23	12 20	20 30	20 49	10 3		n.a.
M20	9 18	1 49	5 3	15 52	1 44	25 0	4 31	22 13	1 7	2 57	1 40	21 43	1 4	12 27	0 45	2 30	1 55	31 24	12 20	20 29	20 49	10 5		n.a.
T 21	9 39	3n39	4 34	16 36	1 51	25 3	4 29	22 20	1 7	2 59	1 40	21 42	1 4	12 26	0 45	2 31	1 55	31 24	12 21	20 28	20 48	10 7		n.a.
W22	10 0	9 0	3 46	17 18	1 57	25 6	4 28	22 27	1 7	3 1	1 40	21 42	1 4	12 25	0 45	2 31	1 55	31 24	12 21	20 27	20 47	10 10		n.a.
T 23	10 22	13 48	2 41	17 58	2 3	25 8	4 25	22 35	1 7	3 3	1 40	21 42	1 4	12 24	0 45	2 32	1 55	31 24	12 21	20 26	20 47	10 12		n.a.
F 24	10 43	17 40	1 25	18 35	2 8	25 9	4 23	22 41	1 8	3 5	1 40	21 41	1 4	12 23	0 45	2 33	1 55	31 25	12 22	20 25	20 46	10 14		n.a.
S 25	11 3	20 18	0 5	19 10	2 12	25 9	4 20	22 48	1 8	3 7	1 39	21 41	1 4	12 23	0 45	2 34	1 55	31 25	12 22	20 25	20 45	10 16		n.a.
S 26	11 24	21 30	1s13	19 42	2 15	25 8	4 16	22 55	1 8	3 9	1 39	21 41	1 4	12 22	0 45	2 35	1 55	31 25	12 22	20 25	20 45	10 18		n.a.
M27	11 44	21 18	2 25	20 12	2 18	25 7	4 13	23 1	1 8	3 11	1 39	21 41	1 4	12 21	0 45	2 36	1 55	31 25	12 23	20 26	20 44	10 20		n.a.
T 28	12 5	19 50	3 27	20 40	2 20	25 4	4 8	23 7	1 8	3 13	1 39	21 40	1 4	12 21	0 45	2 36	1 55	31 25	12 23	20 26	20 43	10 22		n.a.
W29	12 25	17 19	4 15	21 6	2 21	25 1	4 4	23 13	1 8	3 15	1 38	21 40	1 4	12 20	0 45	2 37	1 55	31 26	12 24	20 26	20 43	10 24		n.a.
T 30	12n45	14n 2	4s49	21n29	2n21	24n57	3n59	23n19	1n 9	3n17	1n38	21s40	1n 4	12s19	0s46	2n38	1s55	31s26	12s24	20s26	20s42	10s26		n.a.

Julian Day Number = 1565551.5, Delta T = 04h21m13s
Ecliptic obliquity = 23°44'45, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'57, Lahiri = - 9°50'57 Julian Calendar 1 Apr. 427 BCE == Greg. Calendar 27 March 427 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

MAY 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 12 56	4♉10'45	19♌43	26♉11	3°R 9	10♊21	25°R30	13°R30	0♓ 2	11♈ 1	4♒17	0°R 6	1♐20	18♎10	n.a.	F 1
S 2	14 16 53	5° 8'04	1♍57	27°35	3♊ 9	10°58	25♍26	13♐28	0° 4	11° 3	4°17	0♐ 4	1°16	18°16	n.a.	S 2
S 3	14 20 49	6° 5'21	14° 1	28°55	3° 6	11°36	25°21	13°25	0° 6	11° 5	4°17	0° 1	1°13	18°23	n.a.	S 3
M 4	14 24 46	7° 2'37	25°57	0♊12	3° 1	12°13	25°17	13°22	0° 8	11° 7	4°17	29♏57	1°10	18°30	n.a.	M 4
T 5	14 28 42	7°59'52	7♎48	1°26	2°53	12°50	25°13	13°18	0°10	11° 9	4°18	29°54	1° 7	18°36	n.a.	T 5
W 6	14 32 39	8°57'06	19°38	2°37	2°43	13°28	25° 9	13°15	0°11	11°11	4°18	29°50	1° 4	18°43	n.a.	W 6
T 7	14 36 36	9°54'20	1♏29	3°44	2°31	14° 5	25° 5	13°12	0°13	11°14	4°18	29°48	1° 0	18°50	n.a.	T 7
F 8	14 40 32	10°51'32	13°23	4°48	2°16	14°43	25° 2	13° 9	0°15	11°16	4°18	29°46	0°57	18°57	n.a.	F 8
S 9	14 44 29	11°48'44	25°21	5°49	1°59	15°20	24°58	13° 5	0°16	11°18	4°18	29°D45	0°54	19° 3	n.a.	S 9
S 10	14 48 25	12°45'55	7♐26	6°46	1°39	15°57	24°55	13° 2	0°18	11°20	4°18	29°45	0°51	19°10	n.a.	S 10
M11	14 52 22	13°43'06	19°41	7°39	1°17	16°35	24°52	12°58	0°19	11°22	4°R18	29°46	0°48	19°17	n.a.	M11
T 12	14 56 18	14°40'16	2♑ 7	8°29	0°53	17°12	24°49	12°55	0°21	11°23	4°18	29°47	0°45	19°23	n.a.	T 12
W13	15 0 15	15°37'26	14°48	9°15	0°27	17°50	24°46	12°51	0°22	11°25	4°18	29°49	0°41	19°30	n.a.	W13
T 14	15 4 11	16°34'36	27°45	9°57	29♉59	18°27	24°44	12°48	0°23	11°27	4°18	29°49	0°38	19°37	n.a.	T 14
F 15	15 8 8	17°31'45	11♒ 2	10°35	29°30	19° 5	24°42	12°44	0°25	11°29	4°18	29°50	0°35	19°43	n.a.	F 15
S 16	15 12 5	18°28'54	24°40	11° 9	28°58	19°42	24°39	12°40	0°26	11°31	4°18	29°R50	0°32	19°50	n.a.	S 16
S 17	15 16 1	19°26'03	8♓40	11°38	28°25	20°20	24°37	12°36	0°27	11°33	4°18	29°50	0°29	19°57	n.a.	S 17
M18	15 19 58	20°23'12	23° 2	12° 4	27°51	20°57	24°36	12°32	0°28	11°35	4°17	29°49	0°26	20° 3	n.a.	M18
T 19	15 23 54	21°20'20	7♈42	12°25	27°16	21°35	24°34	12°28	0°30	11°37	4°17	29°48	0°22	20°10	n.a.	T 19
W20	15 27 51	22°17'29	22°36	12°41	26°40	22°12	24°32	12°25	0°31	11°39	4°17	29°47	0°19	20°17	n.a.	W20
T 21	15 31 47	23°14'37	7♉35	12°53	26° 3	22°50	24°31	12°21	0°32	11°40	4°17	29°46	0°16	20°23	n.a.	T 21
F 22	15 35 44	24°11'45	22°33	13° 1	25°26	23°27	24°30	12°16	0°33	11°42	4°16	29°D46	0°13	20°30	n.a.	F 22
S 23	15 39 40	25° 8'53	7♊20	13°R 3	24°48	24° 5	24°29	12°12	0°34	11°44	4°16	29°46	0°10	20°37	n.a.	S 23
S 24	15 43 37	26° 6'01	21°50	13° 2	24°11	24°42	24°28	12° 8	0°35	11°46	4°16	29°46	0° 6	20°43	n.a.	S 24
M25	15 47 34	27° 3'08	5♋58	12°56	23°34	25°20	24°28	12° 4	0°35	11°47	4°16	29°47	0° 3	20°50	n.a.	M25
T 26	15 51 30	28° 0'15	19°40	12°45	22°57	25°57	24°27	12° 0	0°36	11°49	4°15	29°47	0° 0	20°57	n.a.	T 26
W27	15 55 27	28°57'22	2♌57	12°30	22°21	26°35	24°27	11°56	0°37	11°51	4°15	29°47	29♏57	21° 3	n.a.	W27
T 28	15 59 23	29°54'28	15°50	12°11	21°46	27°12	24°D27	11°51	0°38	11°52	4°14	29°R47	29°54	21°10	n.a.	T 28
F 29	16 3 20	0♊51'34	28°22	11°48	21°12	27°50	24°27	11°47	0°38	11°54	4°14	29°D47	29°51	21°17	n.a.	F 29
S 30	16 7 16	1°48'39	10♍37	11°22	20°40	28°27	24°28	11°43	0°39	11°56	4°14	29°47	29°47	21°23	n.a.	S 30
S 31	16 11 13	2♊45'44	22♍39	10♊53	20♉ 9	29♊ 5	24♍28	11♐39	0♓40	11♈57	4♒13	29♏47	29♏44	21♎30	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n 4	10n12	5s 9	21n49	2n21	24n52	3n53	23n25	1n 9	3n18	1n38	21s39	1n 4	12s19	0s46	2n39	1s55	31s26	12s24	20s26	20s41	10s28		n.a.
S 2	13 24	6 2	5 14	22 8	2 19	24 46	3 47	23 31	1 9	3 20	1 38	21 39	1 4	12 18	0 46	2 40	1 55	31 27	12 25	20 25	20 41	10 30		n.a.
S 3	13 43	1 41	5 5	22 24	2 17	24 39	3 41	23 36	1 9	3 21	1 37	21 39	1 4	12 17	0 46	2 40	1 55	31 27	12 25	20 25	20 40	10 32		n.a.
M 4	14 2	2s41	4 43	22 38	2 14	24 32	3 34	23 41	1 9	3 23	1 37	21 38	1 4	12 17	0 46	2 41	1 55	31 27	12 25	20 24	20 39	10 34		n.a.
T 5	14 21	6 56	4 8	22 51	2 11	24 23	3 27	23 46	1 9	3 24	1 37	21 38	1 4	12 16	0 46	2 42	1 56	31 27	12 26	20 23	20 39	10 36		n.a.
W 6	14 40	10 55	3 23	23 1	2 6	24 13	3 19	23 51	1 9	3 26	1 37	21 37	1 4	12 16	0 46	2 43	1 56	31 28	12 26	20 23	20 38	10 38		n.a.
T 7	14 58	14 29	2 30	23 9	2 1	24 2	3 10	23 56	1 9	3 27	1 36	21 37	1 4	12 15	0 46	2 44	1 56	31 28	12 26	20 22	20 37	10 40		n.a.
F 8	15 16	17 28	1 29	23 15	1 55	23 51	3 2	24 1	1 10	3 28	1 36	21 37	1 4	12 14	0 46	2 44	1 56	31 28	12 27	20 22	20 37	10 42		n.a.
S 9	15 34	19 44	0 24	23 20	1 48	23 38	2 52	24 5	1 10	3 29	1 36	21 36	1 4	12 14	0 46	2 45	1 56	31 29	12 27	20 21	20 36	10 44		n.a.
S 10	15 52	21 8	0n42	23 22	1 41	23 24	2 42	24 9	1 10	3 30	1 36	21 36	1 4	12 13	0 46	2 46	1 56	31 29	12 27	20 21	20 35	10 46		n.a.
M11	16 10	21 33	1 48	23 23	1 33	23 9	2 32	24 13	1 10	3 31	1 35	21 35	1 4	12 13	0 46	2 47	1 56	31 29	12 28	20 22	20 35	10 47		n.a.
T 12	16 27	20 54	2 50	23 22	1 23	22 54	2 21	24 17	1 10	3 32	1 35	21 35	1 4	12 12	0 46	2 47	1 56	31 30	12 28	20 22	20 34	10 49		n.a.
W13	16 44	19 12	3 44	23 20	1 14	22 37	2 10	24 21	1 10	3 33	1 35	21 35	1 4	12 12	0 46	2 48	1 56	31 30	12 28	20 22	20 33	10 51		n.a.
T 14	17 0	16 29	4 29	23 16	1 3	22 20	1 58	24 24	1 10	3 34	1 34	21 34	1 4	12 11	0 46	2 49	1 56	31 30	12 29	20 22	20 33	10 53		n.a.
F 15	17 17	12 52	5 0	23 10	0 52	22 1	1 46	24 27	1 10	3 34	1 34	21 34	1 4	12 11	0 46	2 50	1 56	31 31	12 29	20 22	20 32	10 55		n.a.
S 16	17 33	8 31	5 16	23 4	0 40	21 42	1 33	24 31	1 10	3 35	1 34	21 33	1 4	12 11	0 46	2 50	1 56	31 31	12 29	20 22	20 31	10 57		n.a.
S 17	17 49	3 35	5 13	22 55	0 27	21 22	1 20	24 34	1 11	3 35	1 34	21 33	1 4	12 10	0 46	2 51	1 56	31 31	12 30	20 22	20 31	10 59		n.a.
M18	18 4	1n39	4 51	22 46	0 14	21 1	1 7	24 36	1 11	3 36	1 33	21 32	1 4	12 10	0 46	2 52	1 56	31 32	12 30	20 22	20 30	11 1		n.a.
T 19	18 20	6 55	4 10	22 35	0 0	20 40	0 53	24 39	1 11	3 36	1 33	21 32	1 4	12 9	0 46	2 52	1 56	31 32	12 30	20 22	20 29	11 3		n.a.
W20	18 35	11 52	3 12	22 22	0s14	20 18	0 40	24 41	1 11	3 37	1 33	21 31	1 3	12 9	0 46	2 53	1 56	31 33	12 31	20 22	20 29	11 5		n.a.
T 21	18 49	16 6	2 0	22 9	0 29	19 56	0 26	24 44	1 11	3 37	1 32	21 31	1 3	12 9	0 46	2 54	1 56	31 33	12 31	20 22	20 28	11 7		n.a.
F 22	19 4	19 17	0 40	21 55	0 44	19 34	0 12	24 46	1 11	3 37	1 32	21 30	1 3	12 8	0 46	2 54	1 56	31 33	12 31	20 22	20 27	11 9		n.a.
S 23	19 18	21 7	0s42	21 40	1 0	19 11	0s 2	24 48	1 11	3 37	1 32	21 30	1 3	12 8	0 46	2 55	1 56	31 34	12 32	20 22	20 27	11 11		n.a.
S 24	19 32	21 30	2 0	21 24	1 16	18 48	0 16	24 49	1 11	3 37	1 32	21 29	1 3	12 8	0 46	2 56	1 56	31 34	12 32	20 22	20 26	11 13		n.a.
M25	19 45	20 29	3 8	21 7	1 32	18 25	0 30	24 51	1 11	3 37	1 31	21 29	1 3	12 8	0 46	2 56	1 56	31 35	12 32	20 22	20 25	11 15		n.a.
T 26	19 58	18 16	4 3	20 50	1 48	18 2	0 44	24 52	1 11	3 37	1 31	21 28	1 3	12 7	0 46	2 57	1 56	31 35	12 33	20 22	20 25	11 17		n.a.
W27	20 11	15 9	4 44	20 32	2 5	17 40	0 57	24 53	1 11	3 37	1 31	21 28	1 3	12 7	0 47	2 58	1 56	31 35	12 33	20 22	20 24	11 19		n.a.
T 28	20 23	11 23	5 8	20 13	2 21	17 18	1 11	24 54	1 11	3 37	1 30	21 27	1 3	12 7	0 47	2 58	1 56	31 36	12 33	20 22	20 23	11 21		n.a.
F 29	20 35	7 14	5 17	19 55	2 36	16 56	1 24	24 55	1 11	3 36	1 30	21 27	1 3	12 7	0 47	2 59	1 56	31 36	12 34	20 22	20 23	11 22		n.a.
S 30	20 47	2 53	5 12	19 36	2 52	16 35	1 37	24 56	1 11	3 36	1 30	21 26	1 3	12 7	0 47	2 59	1 57	31 37	12 34	20 22	20 22	11 24		n.a.
S 31	20n59	1s31	4s53	19n17	3s 6	16n15	1s50	24n56	1n11	3n35	1n29	21s26	1n 3	12s 6	0s47	3n 0	1s57	31s37	12s34	20s22	20s21	11s26		n.a.

Julian Day Number = 1565581.5, Delta T = 04h21m12s
Ecliptic obliquity = 23°44'45, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'53, Lahiri = - 9°50'53 Julian Calendar 1 May 427 BCE == Greg. Calendar 26 Apr. 427 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

JUNE 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 15 9	3♊42'49	4♎34	10°R20	19°R40	29♊43	24♍29	11°R34	0♓40	11♈59	4°R13	29♏47	29♏41	21♎37	n.a.	M 1
T 2	16 19 6	4°39'54	16°24	9♊46	19♉12	0♋20	24°30	11♐30	0°41	12° 0	4♒12	29°48	29°38	21°43	n.a.	T 2
W 3	16 23 3	5°36'59	28°14	9°10	18°47	0°58	24°31	11°26	0°41	12° 2	4°11	29°48	29°35	21°50	n.a.	W 3
T 4	16 26 59	6°34'04	10♏ 7	8°33	18°23	1°35	24°32	11°21	0°41	12° 3	4°11	29°49	29°32	21°57	n.a.	T 4
F 5	16 30 56	7°31'09	22° 7	7°56	18° 2	2°13	24°33	11°17	0°42	12° 5	4°10	29°49	29°28	22° 4	n.a.	F 5
S 6	16 34 52	8°28'14	4♐15	7°18	17°43	2°51	24°35	11°12	0°42	12° 6	4°10	29°R49	29°25	22°10	n.a.	S 6
S 7	16 38 49	9°25'19	16°34	6°42	17°27	3°28	24°37	11° 8	0°42	12° 8	4° 9	29°49	29°22	22°17	n.a.	S 7
M 8	16 42 45	10°22'25	29° 5	6° 7	17°12	4° 6	24°39	11° 4	0°42	12° 9	4° 9	29°48	29°19	22°24	n.a.	M 8
T 9	16 46 42	11°19'31	11♑48	5°34	17° 0	4°43	24°41	10°59	0°42	12°10	4° 8	29°47	29°16	22°30	n.a.	T 9
W10	16 50 39	12°16'38	24°46	5° 4	16°51	5°21	24°43	10°55	0°43	12°12	4° 7	29°45	29°12	22°37	n.a.	W10
T 11	16 54 35	13°13'45	7♒57	4°37	16°44	5°59	24°46	10°50	0°R43	12°13	4° 6	29°44	29° 9	22°44	n.a.	T 11
F 12	16 58 32	14°10'53	21°24	4°14	16°39	6°36	24°48	10°46	0°43	12°14	4° 6	29°42	29° 6	22°50	n.a.	F 12
S 13	17 2 28	15° 8'01	5♓ 6	3°55	16°D37	7°14	24°51	10°42	0°43	12°15	4° 5	29°41	29° 3	22°57	n.a.	S 13
S 14	17 6 25	16° 5'10	19° 2	3°41	16°37	7°52	24°54	10°37	0°42	12°17	4° 4	29°D41	29° 0	23° 4	n.a.	S 14
M15	17 10 21	17° 2'20	3♈12	3°32	16°40	8°30	24°57	10°33	0°42	12°18	4° 3	29°42	28°57	23°10	n.a.	M15
T 16	17 14 18	17°59'31	17°34	3°D27	16°44	9° 7	25° 0	10°29	0°42	12°19	4° 3	29°43	28°53	23°17	n.a.	T 16
W17	17 18 14	18°56'43	2♉ 6	3°28	16°51	9°45	25° 4	10°24	0°42	12°20	4° 2	29°44	28°50	23°24	n.a.	W17
T 18	17 22 11	19°53'56	16°42	3°35	17° 0	10°23	25° 8	10°20	0°41	12°21	4° 1	29°45	28°47	23°30	n.a.	T 18
F 19	17 26 8	20°51'09	1♊18	3°47	17°11	11° 1	25°11	10°16	0°41	12°22	4° 0	29°R45	28°44	23°37	n.a.	F 19
S 20	17 30 4	21°48'24	15°48	4° 5	17°24	11°38	25°15	10°11	0°41	12°23	3°59	29°45	28°41	23°44	n.a.	S 20
S 21	17 34 1	22°45'39	0♋ 6	4°29	17°39	12°16	25°19	10° 7	0°40	12°24	3°58	29°43	28°38	23°50	n.a.	S 21
M22	17 37 57	23°42'55	14° 6	4°59	17°57	12°54	25°24	10° 3	0°40	12°25	3°58	29°40	28°34	23°57	n.a.	M22
T 23	17 41 54	24°40'11	27°46	5°34	18°15	13°32	25°28	9°59	0°39	12°26	3°57	29°37	28°31	24° 4	n.a.	T 23
W24	17 45 50	25°37'28	11♌ 4	6°15	18°36	14°10	25°33	9°54	0°39	12°27	3°56	29°33	28°28	24°10	n.a.	W24
T 25	17 49 47	26°34'46	23°58	7° 2	18°59	14°48	25°38	9°50	0°38	12°28	3°55	29°29	28°25	24°17	n.a.	T 25
F 26	17 53 43	27°32'04	6♍32	7°54	19°23	15°26	25°43	9°46	0°37	12°29	3°54	29°27	28°22	24°24	n.a.	F 26
S 27	17 57 40	28°29'23	18°49	8°52	19°48	16° 3	25°48	9°42	0°37	12°30	3°53	29°25	28°18	24°30	n.a.	S 27
S 28	18 1 37	29°26'43	0♎52	9°56	20°16	16°41	25°53	9°38	0°36	12°31	3°52	29°D24	28°15	24°37	n.a.	S 28
M29	18 5 33	0♋24'03	12°46	11° 5	20°45	17°19	25°58	9°34	0°35	12°32	3°51	29°25	28°12	24°44	n.a.	M29
T 30	18 9 30	1♋21'24	24♎36	12♊19	21♉15	17♋57	26♍ 4	9♐30	0♓34	12♈32	3♒50	29♏27	28♏ 9	24♎50	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n10	5s49	4s21	18n59	3s20	15n55	2s 2	24n56	1n11	3n35	1n29	21s25	1n 3	12s 6	0s47	3n 0	1s57	31s38	12s35	20s22	20s20	11s28		n.a.
T 2	21 21	9 53	3 38	18 41	3 33	15 37	2 13	24 56	1 12	3 34	1 29	21 25	1 3	12 6	0 47	3 1	1 57	31 38	12 35	20 22	20 20	11 30		n.a.
W 3	21 31	13 34	2 47	18 24	3 45	15 19	2 25	24 56	1 12	3 34	1 29	21 24	1 3	12 6	0 47	3 2	1 57	31 38	12 35	20 22	20 19	11 32		n.a.
T 4	21 41	16 44	1 47	18 8	3 56	15 2	2 36	24 56	1 12	3 33	1 28	21 24	1 3	12 6	0 47	3 2	1 57	31 39	12 36	20 22	20 18	11 34		n.a.
F 5	21 51	19 13	0 43	17 52	4 6	14 46	2 46	24 55	1 12	3 32	1 28	21 23	1 3	12 6	0 47	3 3	1 57	31 39	12 36	20 22	20 18	11 36		n.a.
S 6	22 0	20 52	0n25	17 38	4 14	14 31	2 56	24 55	1 12	3 31	1 28	21 23	1 2	12 6	0 47	3 3	1 57	31 40	12 36	20 22	20 17	11 38		n.a.
S 7	22 9	21 32	1 32	17 26	4 20	14 18	3 5	24 54	1 12	3 30	1 27	21 22	1 2	12 6	0 47	3 4	1 57	31 40	12 37	20 22	20 16	11 40		n.a.
M 8	22 17	21 9	2 35	17 15	4 26	14 5	3 14	24 53	1 12	3 29	1 27	21 22	1 2	12 6	0 47	3 4	1 57	31 41	12 37	20 22	20 16	11 41		n.a.
T 9	22 25	19 41	3 32	17 6	4 29	13 54	3 22	24 51	1 12	3 28	1 27	21 21	1 2	12 6	0 47	3 5	1 57	31 41	12 37	20 22	20 15	11 43		n.a.
W10	22 33	17 12	4 19	16 58	4 31	13 44	3 30	24 50	1 12	3 27	1 26	21 21	1 2	12 6	0 47	3 5	1 57	31 42	12 37	20 21	20 14	11 45		n.a.
T 11	22 41	13 47	4 54	16 53	4 32	13 34	3 38	24 48	1 12	3 25	1 26	21 20	1 2	12 6	0 47	3 6	1 57	31 42	12 38	20 21	20 14	11 47		n.a.
F 12	22 48	9 37	5 13	16 50	4 31	13 27	3 45	24 46	1 12	3 24	1 26	21 19	1 2	12 6	0 47	3 6	1 57	31 42	12 38	20 21	20 13	11 49		n.a.
S 13	22 54	4 53	5 15	16 49	4 28	13 20	3 51	24 44	1 12	3 23	1 26	21 19	1 2	12 6	0 47	3 6	1 57	31 43	12 38	20 21	20 12	11 51		n.a.
S 14	23 0	0n10	4 58	16 50	4 24	13 14	3 57	24 42	1 12	3 21	1 25	21 18	1 2	12 6	0 47	3 7	1 57	31 43	12 39	20 21	20 11	11 53		n.a.
M15	23 6	5 19	4 24	16 53	4 19	13 9	4 2	24 40	1 12	3 20	1 25	21 18	1 2	12 6	0 47	3 7	1 57	31 44	12 39	20 21	20 11	11 54		n.a.
T 16	23 12	10 15	3 32	16 59	4 13	13 6	4 7	24 37	1 12	3 18	1 25	21 17	1 2	12 6	0 47	3 8	1 57	31 44	12 39	20 21	20 10	11 56		n.a.
W17	23 17	14 39	2 27	17 7	4 5	13 3	4 12	24 34	1 12	3 16	1 24	21 17	1 1	12 6	0 47	3 8	1 58	31 45	12 39	20 21	20 9	11 58		n.a.
T 18	23 21	18 11	1 11	17 16	3 56	13 2	4 16	24 32	1 12	3 15	1 24	21 16	1 1	12 6	0 47	3 9	1 58	31 45	12 40	20 21	20 9	12 0		n.a.
F 19	23 26	20 33	0s 9	17 28	3 47	13 1	4 20	24 28	1 12	3 13	1 24	21 16	1 1	12 6	0 47	3 9	1 58	31 46	12 40	20 21	20 8	12 2		n.a.
S 20	23 29	21 32	1 27	17 42	3 36	13 2	4 24	24 25	1 12	3 11	1 24	21 15	1 1	12 7	0 47	3 9	1 58	31 46	12 40	20 21	20 7	12 4		n.a.
S 21	23 33	21 5	2 39	17 57	3 25	13 3	4 27	24 22	1 12	3 9	1 23	21 15	1 1	12 7	0 47	3 10	1 58	31 47	12 40	20 21	20 6	12 6		n.a.
M22	23 36	19 20	3 40	18 15	3 13	13 5	4 29	24 18	1 12	3 7	1 23	21 14	1 1	12 7	0 48	3 10	1 58	31 47	12 41	20 20	20 6	12 7		n.a.
T 23	23 38	16 31	4 27	18 33	3 0	13 8	4 32	24 14	1 12	3 5	1 23	21 14	1 1	12 7	0 48	3 10	1 58	31 48	12 41	20 20	20 5	12 9		n.a.
W24	23 40	12 54	4 58	18 53	2 47	13 12	4 34	24 10	1 12	3 3	1 22	21 13	1 1	12 8	0 48	3 11	1 58	31 48	12 41	20 19	20 4	12 11		n.a.
T 25	23 42	8 47	5 12	19 14	2 33	13 17	4 35	24 6	1 12	3 1	1 22	21 13	1 1	12 8	0 48	3 11	1 58	31 49	12 41	20 18	20 4	12 13		n.a.
F 26	23 43	4 25	5 11	19 37	2 20	13 22	4 37	24 2	1 12	2 58	1 22	21 12	1 1	12 8	0 48	3 11	1 58	31 49	12 42	20 17	20 3	12 15		n.a.
S 27	23 44	0s 3	4 56	20 0	2 5	13 28	4 38	23 57	1 12	2 56	1 22	21 12	1 0	12 8	0 48	3 11	1 58	31 50	12 42	20 17	20 2	12 17		n.a.
S 28	23 45	4 26	4 28	20 23	1 51	13 34	4 38	23 52	1 12	2 54	1 21	21 11	1 0	12 9	0 48	3 12	1 58	31 50	12 42	20 17	20 2	12 18		n.a.
M29	23 45	8 36	3 49	20 48	1 37	13 41	4 39	23 47	1 11	2 51	1 21	21 11	1 0	12 9	0 48	3 12	1 58	31 50	12 42	20 17	20 1	12 20		n.a.
T 30	23n44	12s25	3s 0	21n12	1s22	13n49	4s39	23n42	1n11	2n49	1n21	21s10	1n 0	12s 9	0s48	3n12	1s58	31s51	12s43	20s17	20s 0	12s22		n.a.

Julian Day Number = 1565612.5, Delta T = 04h21m11s
Ecliptic obliquity = 23°44'44, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'49, Lahiri = - 9°50'48 Julian Calendar 1 June 427 BCE == Greg. Calendar 27 May 427 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

JULY 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 13 26	2♋18'46	6♏27	13♊38	21♉47	18♋35	26♍10	9°R26	0°R33	12♈33	3°R49	29♏28	28♏ 6	24♎57	n.a.	W 1
T 2	18 17 23	3°16'09	18°23	15° 2	22°20	19°13	26°15	9♐22	0♓32	12°34	3♒48	29°30	28° 3	25° 4	n.a.	T 2
F 3	18 21 19	4°13'32	0♐29	16°31	22°54	19°51	26°21	9°19	0°31	12°34	3°47	29°R30	27°59	25°10	n.a.	F 3
S 4	18 25 16	5°10'57	12°48	18° 4	23°30	20°29	26°28	9°15	0°30	12°35	3°45	29°29	27°56	25°17	n.a.	S 4
S 5	18 29 13	6° 8'23	25°21	19°42	24° 7	21° 7	26°34	9°11	0°29	12°36	3°44	29°27	27°53	25°24	n.a.	S 5
M 6	18 33 9	7° 5'50	8♑11	21°23	24°45	21°45	26°40	9° 8	0°28	12°36	3°43	29°23	27°50	25°30	n.a.	M 6
T 7	18 37 6	8° 3'18	21°16	23° 8	25°24	22°23	26°47	9° 4	0°27	12°37	3°42	29°17	27°47	25°37	n.a.	T 7
W 8	18 41 2	9° 0'47	4♒37	24°57	26° 4	23° 1	26°53	9° 1	0°26	12°37	3°41	29°11	27°44	25°44	n.a.	W 8
T 9	18 44 59	9°58'18	18°12	26°48	26°45	23°39	27° 0	8°57	0°25	12°38	3°40	29° 4	27°40	25°50	n.a.	T 9
F 10	18 48 55	10°55'50	1♓58	28°42	27°28	24°17	27° 7	8°54	0°23	12°38	3°39	28°59	27°37	25°57	n.a.	F 10
S 11	18 52 52	11°53'24	15°53	0♋38	28°11	24°55	27°14	8°50	0°22	12°38	3°38	28°54	27°34	26° 4	n.a.	S 11
S 12	18 56 48	12°50'59	29°55	2°36	28°55	25°34	27°22	8°47	0°21	12°39	3°36	28°52	27°31	26°10	n.a.	S 12
M13	19 0 45	13°48'36	14♈ 2	4°36	29°41	26°12	27°29	8°44	0°19	12°39	3°35	28°D51	27°28	26°17	n.a.	M13
T 14	19 4 42	14°46'14	28°13	6°36	0♊27	26°50	27°36	8°41	0°18	12°39	3°34	28°52	27°24	26°24	n.a.	T 14
W15	19 8 38	15°43'55	12♉25	8°37	1°13	27°28	27°44	8°38	0°16	12°40	3°33	28°53	27°21	26°30	n.a.	W15
T 16	19 12 35	16°41'37	26°38	10°39	2° 1	28° 6	27°52	8°35	0°15	12°40	3°32	28°R54	27°18	26°37	n.a.	T 16
F 17	19 16 31	17°39'21	10♊48	12°41	2°50	28°45	28° 0	8°32	0°13	12°40	3°30	28°53	27°15	26°44	n.a.	F 17
S 18	19 20 28	18°37'07	24°53	14°43	3°39	29°23	28° 8	8°29	0°11	12°40	3°29	28°50	27°12	26°50	n.a.	S 18
S 19	19 24 24	19°34'54	8♋49	16°44	4°29	0♌ 1	28°16	8°26	0°10	12°40	3°28	28°46	27° 9	26°57	n.a.	S 19
M20	19 28 21	20°32'43	22°32	18°45	5°20	0°39	28°24	8°23	0° 8	12°40	3°27	28°39	27° 5	27° 4	n.a.	M20
T 21	19 32 17	21°30'34	5♌59	20°45	6°11	1°18	28°32	8°21	0° 6	12°41	3°25	28°30	27° 2	27°10	n.a.	T 21
W22	19 36 14	22°28'26	19° 9	22°44	7° 3	1°56	28°41	8°18	0° 5	12°R41	3°24	28°21	26°59	27°17	n.a.	W22
T 23	19 40 11	23°26'19	1♍59	24°43	7°56	2°34	28°49	8°16	0° 3	12°41	3°23	28°12	26°56	27°24	n.a.	T 23
F 24	19 44 7	24°24'14	14°31	26°40	8°49	3°13	28°58	8°13	0° 1	12°40	3°22	28° 4	26°53	27°30	n.a.	F 24
S 25	19 48 4	25°22'10	26°46	28°36	9°43	3°51	29° 7	8°11	29♒59	12°40	3°20	27°58	26°50	27°37	n.a.	S 25
S 26	19 52 0	26°20'08	8♎48	0♌31	10°37	4°30	29°16	8° 9	29°57	12°40	3°19	27°54	26°46	27°44	n.a.	S 26
M27	19 55 57	27°18'07	20°41	2°25	11°32	5° 8	29°25	8° 7	29°56	12°40	3°18	27°52	26°43	27°50	n.a.	M27
T 28	19 59 53	28°16'08	2♏31	4°18	12°27	5°47	29°34	8° 5	29°54	12°40	3°17	27°D52	26°40	27°57	n.a.	T 28
W29	20 3 50	29°14'10	14°22	6° 9	13°23	6°25	29°43	8° 3	29°52	12°40	3°15	27°53	26°37	28° 4	n.a.	W29
T 30	20 7 46	0♌12'14	26°20	7°59	14°20	7° 4	29°53	8° 1	29°50	12°40	3°14	27°R53	26°34	28°10	n.a.	T 30
F 31	20 11 43	1♌10'20	8♐29	9♌48	15♊17	7♌42	0♎ 2	7♐59	29♒48	12♈39	3♒13	27♏53	26♏30	28♎17	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23n43	15s46	2s 3	21n36	1s 8	13n57	4s39	23n37	1n11	2n46	1n20	21s10	1n 0	12s10	0s48	3n12	1s58	31s51	12s43	20s18	19s59	12s24			n.a.
T 2	23 42	18 29	1 0	22 0	0 54	14 6	4 39	23 31	1 11	2 44	1 20	21 9	1 0	12 10	0 48	3 13	1 58	31 52	12 43	20 18	19 59	12 26			n.a.
F 3	23 41	20 26	0n 5	22 23	0 40	14 15	4 38	23 26	1 11	2 41	1 20	21 9	1 0	12 10	0 48	3 13	1 59	31 52	12 43	20 18	19 58	12 27			n.a.
S 4	23 39	21 26	1 12	22 46	0 27	14 25	4 37	23 20	1 11	2 38	1 20	21 8	1 0	12 11	0 48	3 13	1 59	31 53	12 43	20 18	19 57	12 29			n.a.
S 5	23 36	21 24	2 16	23 7	0 13	14 34	4 36	23 14	1 11	2 36	1 19	21 8	0 59	12 11	0 48	3 13	1 59	31 53	12 44	20 17	19 56	12 31			n.a.
M 6	23 33	20 15	3 15	23 27	0 1	14 45	4 35	23 8	1 11	2 33	1 19	21 8	0 59	12 12	0 48	3 13	1 59	31 54	12 44	20 16	19 56	12 33			n.a.
T 7	23 30	18 1	4 5	23 45	0n12	14 55	4 34	23 2	1 11	2 30	1 19	21 7	0 59	12 12	0 48	3 13	1 59	31 54	12 44	20 15	19 55	12 35			n.a.
W 8	23 26	14 47	4 42	24 2	0 23	15 6	4 32	22 55	1 11	2 27	1 19	21 7	0 59	12 13	0 48	3 14	1 59	31 55	12 44	20 14	19 54	12 36			n.a.
T 9	23 22	10 45	5 4	24 17	0 34	15 17	4 31	22 49	1 11	2 24	1 18	21 6	0 59	12 13	0 48	3 14	1 59	31 55	12 44	20 12	19 54	12 38			n.a.
F 10	23 17	6 6	5 9	24 29	0 45	15 29	4 29	22 42	1 11	2 21	1 18	21 6	0 59	12 14	0 48	3 14	1 59	31 56	12 44	20 11	19 53	12 40			n.a.
S 11	23 12	1 6	4 56	24 39	0 54	15 41	4 27	22 35	1 11	2 18	1 18	21 6	0 59	12 14	0 48	3 14	1 59	31 56	12 45	20 10	19 52	12 42			n.a.
S 12	23 7	4n 1	4 25	24 46	1 3	15 52	4 25	22 28	1 11	2 15	1 18	21 5	0 58	12 15	0 48	3 14	1 59	31 57	12 45	20 10	19 51	12 43			n.a.
M13	23 1	8 57	3 39	24 51	1 11	16 4	4 22	22 20	1 11	2 12	1 17	21 5	0 58	12 15	0 48	3 14	1 59	31 57	12 45	20 10	19 51	12 45			n.a.
T 14	22 55	13 26	2 38	24 53	1 18	16 16	4 20	22 13	1 11	2 8	1 17	21 4	0 58	12 16	0 48	3 14	1 59	31 57	12 45	20 10	19 50	12 47			n.a.
W15	22 48	17 9	1 28	24 52	1 24	16 28	4 17	22 5	1 10	2 5	1 17	21 4	0 58	12 16	0 48	3 14	1 59	31 58	12 45	20 10	19 49	12 49			n.a.
T 16	22 41	19 51	0 12	24 48	1 30	16 41	4 14	21 57	1 10	2 2	1 17	21 4	0 58	12 17	0 48	3 14	1 59	31 58	12 45	20 10	19 48	12 50			n.a.
F 17	22 34	21 18	1s 4	24 42	1 35	16 53	4 11	21 49	1 10	1 58	1 16	21 3	0 58	12 17	0 48	3 14	2 0	31 59	12 45	20 10	19 48	12 52			n.a.
S 18	22 26	21 23	2 15	24 33	1 39	17 5	4 8	21 41	1 10	1 55	1 16	21 3	0 58	12 18	0 48	3 14	2 0	31 59	12 46	20 9	19 47	12 54			n.a.
S 19	22 18	20 9	3 18	24 22	1 42	17 18	4 5	21 33	1 10	1 51	1 16	21 3	0 57	12 19	0 48	3 14	2 0	32 0	12 46	20 8	19 46	12 56			n.a.
M20	22 9	17 46	4 8	24 8	1 44	17 30	4 2	21 24	1 10	1 48	1 16	21 3	0 57	12 19	0 48	3 14	2 0	32 0	12 46	20 7	19 46	12 57			n.a.
T 21	22 0	14 27	4 43	23 52	1 46	17 42	3 59	21 16	1 10	1 44	1 15	21 2	0 57	12 20	0 48	3 14	2 0	32 0	12 46	20 5	19 45	12 59			n.a.
W22	21 51	10 30	5 2	23 34	1 47	17 54	3 55	21 7	1 10	1 41	1 15	21 2	0 57	12 21	0 49	3 14	2 0	32 1	12 46	20 3	19 44	13 1			n.a.
T 23	21 41	6 10	5 5	23 13	1 47	18 6	3 52	20 58	1 10	1 37	1 15	21 2	0 57	12 21	0 49	3 14	2 0	32 1	12 46	20 1	19 43	13 3			n.a.
F 24	21 31	1 40	4 53	22 51	1 47	18 18	3 48	20 49	1 10	1 33	1 15	21 2	0 57	12 22	0 49	3 14	2 0	32 2	12 46	19 59	19 43	13 4			n.a.
S 25	21 20	2s48	4 28	22 26	1 46	18 30	3 44	20 40	1 9	1 30	1 14	21 1	0 57	12 23	0 49	3 14	2 0	32 2	12 46	19 58	19 42	13 6			n.a.
S 26	21 9	7 4	3 52	22 0	1 45	18 41	3 40	20 30	1 9	1 26	1 14	21 1	0 56	12 23	0 49	3 14	2 0	32 3	12 46	19 57	19 41	13 8			n.a.
M27	20 58	11 2	3 6	21 33	1 43	18 53	3 36	20 21	1 9	1 22	1 14	21 1	0 56	12 24	0 49	3 14	2 0	32 3	12 47	19 56	19 40	13 9			n.a.
T 28	20 46	14 33	2 12	21 3	1 41	19 4	3 32	20 11	1 9	1 18	1 14	21 1	0 56	12 25	0 49	3 13	2 0	32 3	12 47	19 56	19 40	13 11			n.a.
W29	20 34	17 30	1 12	20 33	1 38	19 15	3 28	20 1	1 9	1 14	1 14	21 1	0 56	12 25	0 49	3 13	2 0	32 4	12 47	19 56	19 39	13 13			n.a.
T 30	20 22	19 43	0 8	20 1	1 34	19 26	3 24	19 51	1 9	1 10	1 13	21 1	0 56	12 26	0 49	3 13	2 0	32 4	12 47	19 57	19 38	13 15			n.a.
F 31	20n 9	21s 4	0n56	19n28	1n31	19n36	3s20	19n41	1n 9	1n 6	1n13	21s 0	0n56	12s27	0s49	3n13	2s 0	32s 4	12s47	19s56	19s37	13s16			n.a.

Julian Day Number = 1565642.5, Delta T = 04h21m10s
Ecliptic obliquity = 23°44'43, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'45, Lahiri = - 9°50'44 Julian Calendar 1 July 427 BCE == Greg. Calendar 26 June 427 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

AUGUST 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 15 40	2♌ 8'27	20♐55	11♌36	16♊14	8♌21	0♎12	7°R57	29°R46	12°R39	3°R12	27°R50	26♏27	28♎24	n.a.	S 1
S 2	20 19 36	3° 6'35	3♑39	13°22	17°12	8°59	0°22	7♐56	29♒44	12♈39	3♒10	27♏45	26°24	28°30	n.a.	S 2
M 3	20 23 33	4° 4'46	16°45	15° 7	18°10	9°38	0°31	7°54	29°41	12°38	3° 9	27°38	26°21	28°37	n.a.	M 3
T 4	20 27 29	5° 2'58	0♒12	16°51	19° 9	10°16	0°41	7°53	29°39	12°38	3° 8	27°29	26°18	28°44	n.a.	T 4
W 5	20 31 26	6° 1'12	13°58	18°34	20° 8	10°55	0°51	7°52	29°37	12°37	3° 6	27°18	26°15	28°50	n.a.	W 5
T 6	20 35 22	6°59'28	27°59	20°15	21° 8	11°34	1° 1	7°50	29°35	12°37	3° 5	27° 7	26°11	28°57	n.a.	T 6
F 7	20 39 19	7°57'46	12♓12	21°56	22° 8	12°12	1°11	7°49	29°33	12°37	3° 4	26°57	26° 8	29° 4	n.a.	F 7
S 8	20 43 15	8°56'06	26°29	23°35	23° 8	12°51	1°22	7°48	29°31	12°36	3° 3	26°49	26° 5	29°10	n.a.	S 8
S 9	20 47 12	9°54'28	10♈47	25°13	24° 9	13°30	1°32	7°47	29°28	12°35	3° 1	26°44	26° 2	29°17	n.a.	S 9
M10	20 51 8	10°52'52	25° 2	26°50	25°10	14° 9	1°42	7°46	29°26	12°35	3° 0	26°41	25°59	29°24	n.a.	M10
T 11	20 55 5	11°51'19	9♉12	28°26	26°11	14°47	1°53	7°46	29°24	12°34	2°59	26°D40	25°55	29°30	n.a.	T 11
W12	20 59 2	12°49'48	23°16	0♍ 0	27°13	15°26	2° 4	7°45	29°22	12°34	2°58	26°R40	25°52	29°37	n.a.	W12
T 13	21 2 58	13°48'20	7♊12	1°34	28°15	16° 5	2°14	7°44	29°19	12°33	2°56	26°40	25°49	29°44	n.a.	T 13
F 14	21 6 55	14°46'53	21° 0	3° 7	29°18	16°44	2°25	7°44	29°17	12°32	2°55	26°38	25°46	29°50	n.a.	F 14
S 15	21 10 51	15°45'30	4♋40	4°38	0♋21	17°23	2°36	7°43	29°15	12°31	2°54	26°34	25°43	29°57	n.a.	S 15
S 16	21 14 48	16°44'08	18°11	6° 8	1°24	18° 2	2°47	7°43	29°12	12°31	2°53	26°27	25°40	0♏ 4	n.a.	S 16
M17	21 18 44	17°42'48	1♌32	7°38	2°27	18°41	2°58	7°43	29°10	12°30	2°51	26°17	25°36	0°10	n.a.	M17
T 18	21 22 41	18°41'31	14°39	9° 6	3°31	19°20	3° 9	7°D43	29° 8	12°29	2°50	26° 4	25°33	0°17	n.a.	T 18
W19	21 26 37	19°40'16	27°33	10°33	4°35	19°59	3°20	7°43	29° 5	12°28	2°49	25°51	25°30	0°24	n.a.	W19
T 20	21 30 34	20°39'03	10♍12	11°59	5°39	20°38	3°31	7°43	29° 3	12°27	2°48	25°38	25°27	0°30	n.a.	T 20
F 21	21 34 31	21°37'51	22°36	13°24	6°44	21°17	3°43	7°43	29° 1	12°26	2°46	25°26	25°24	0°37	n.a.	F 21
S 22	21 38 27	22°36'42	4♎47	14°47	7°49	21°56	3°54	7°44	28°58	12°25	2°45	25°17	25°21	0°44	n.a.	S 22
S 23	21 42 24	23°35'35	16°46	16°10	8°54	22°35	4° 6	7°44	28°56	12°24	2°44	25°10	25°17	0°50	n.a.	S 23
M24	21 46 20	24°34'29	28°37	17°31	9°59	23°14	4°17	7°44	28°53	12°23	2°43	25° 6	25°14	0°57	n.a.	M24
T 25	21 50 17	25°33'26	10♏25	18°51	11° 5	23°53	4°29	7°45	28°51	12°22	2°42	25° 4	25°11	1° 3	n.a.	T 25
W26	21 54 13	26°32'24	22°14	20°10	12°11	24°32	4°40	7°46	28°48	12°21	2°41	25° 3	25° 8	1°10	n.a.	W26
T 27	21 58 10	27°31'24	4♐10	21°27	13°17	25°12	4°52	7°47	28°46	12°20	2°39	25° 3	25° 5	1°17	n.a.	T 27
F 28	22 2 6	28°30'27	16°19	22°43	14°23	25°51	5° 4	7°47	28°44	12°19	2°38	25° 2	25° 1	1°23	n.a.	F 28
S 29	22 6 3	29°29'31	28°46	23°57	15°29	26°30	5°16	7°48	28°41	12°18	2°37	25° 0	24°58	1°30	n.a.	S 29
S 30	22 9 59	0♍28'37	11♑35	25°10	16°36	27°10	5°28	7°50	28°39	12°17	2°36	24°55	24°55	1°37	n.a.	S 30
M31	22 13 56	1♍27'45	24♑49	26♍21	17♋43	27♌49	5♎40	7♐51	28♒36	12♈16	2♒35	24♏47	24♏52	1♏43	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	19n56	21s26	2n 0	18n54	1n26	19n47	3s16	19n31	1n 9	1n 2	1n13	21s 0	0n55	12s28	0s49	3n13	2s 1	32s 5	12s47	19s56	19s37	13s18		n.a.	S 1
S 2	19 43	20 43	2 59	18 20	1 22	19 57	3 11	19 20	1 8	0 58	1 13	21 0	0 55	12 28	0 49	3 13	2 1	32 5	12 47	19 55	19 36	13 20		n.a.	S 2
M 3	19 29	18 53	3 50	17 44	1 17	20 6	3 7	19 10	1 8	0 54	1 13	21 0	0 55	12 29	0 49	3 12	2 1	32 6	12 47	19 53	19 35	13 21		n.a.	M 3
T 4	19 15	15 59	4 29	17 8	1 12	20 16	3 3	18 59	1 8	0 50	1 12	21 0	0 55	12 30	0 49	3 12	2 1	32 6	12 47	19 51	19 34	13 23		n.a.	T 4
W 5	19 0	12 9	4 54	16 30	1 6	20 25	2 58	18 48	1 8	0 45	1 12	21 0	0 55	12 31	0 49	3 12	2 1	32 6	12 47	19 48	19 34	13 25		n.a.	W 5
T 6	18 46	7 36	5 2	15 53	1 1	20 33	2 54	18 37	1 8	0 41	1 12	21 0	0 55	12 31	0 49	3 12	2 1	32 7	12 47	19 46	19 33	13 26		n.a.	T 6
F 7	18 31	2 35	4 52	15 14	0 55	20 42	2 49	18 26	1 8	0 37	1 12	21 0	0 54	12 32	0 49	3 11	2 1	32 7	12 47	19 44	19 32	13 28		n.a.	F 7
S 8	18 15	2n36	4 23	14 36	0 49	20 49	2 45	18 15	1 8	0 33	1 12	21 0	0 54	12 33	0 49	3 11	2 1	32 7	12 47	19 42	19 31	13 30		n.a.	S 8
S 9	18 0	7 39	3 38	13 56	0 42	20 57	2 40	18 4	1 7	0 28	1 11	21 0	0 54	12 34	0 49	3 11	2 1	32 8	12 47	19 40	19 31	13 31		n.a.	S 9
M10	17 44	12 17	2 39	13 17	0 35	21 4	2 35	17 52	1 7	0 24	1 11	21 0	0 54	12 35	0 49	3 11	2 1	32 8	12 47	19 40	19 30	13 33		n.a.	M10
T 11	17 27	16 11	1 31	12 37	0 29	21 11	2 31	17 40	1 7	0 20	1 11	21 0	0 54	12 35	0 49	3 10	2 1	32 8	12 47	19 40	19 29	13 35		n.a.	T 11
W12	17 11	19 7	0 18	11 57	0 22	21 17	2 26	17 29	1 7	0 15	1 11	21 0	0 54	12 36	0 49	3 10	2 1	32 9	12 47	19 40	19 28	13 36		n.a.	W12
T 13	16 54	20 53	0s55	11 17	0 15	21 23	2 21	17 17	1 7	0 11	1 11	21 0	0 53	12 37	0 49	3 10	2 1	32 9	12 47	19 40	19 27	13 38		n.a.	T 13
F 14	16 36	21 21	2 5	10 36	0 7	21 28	2 17	17 5	1 7	0 6	1 10	21 0	0 53	12 38	0 49	3 9	2 1	32 9	12 47	19 39	19 27	13 40		n.a.	F 14
S 15	16 19	20 33	3 7	9 56	0s 0	21 33	2 12	16 53	1 6	0 2	1 10	21 0	0 53	12 39	0 49	3 9	2 1	32 9	12 47	19 38	19 26	13 41		n.a.	S 15
S 16	16 1	18 35	3 57	9 15	0 8	21 37	2 7	16 40	1 6	0s 3	1 10	21 0	0 53	12 40	0 49	3 9	2 1	32 10	12 47	19 36	19 25	13 43		n.a.	S 16
M17	15 43	15 38	4 33	8 35	0 15	21 41	2 2	16 28	1 6	0 8	1 10	21 0	0 53	12 40	0 49	3 8	2 2	32 10	12 47	19 34	19 24	13 45		n.a.	M17
T 18	15 25	11 57	4 54	7 54	0 23	21 44	1 58	16 15	1 6	0 12	1 10	21 1	0 53	12 41	0 49	3 8	2 2	32 10	12 47	19 31	19 24	13 46		n.a.	T 18
W19	15 6	7 47	5 0	7 14	0 31	21 47	1 53	16 3	1 6	0 17	1 10	21 1	0 52	12 42	0 49	3 7	2 2	32 11	12 47	19 28	19 23	13 48		n.a.	W19
T 20	14 48	3 21	4 51	6 34	0 38	21 49	1 48	15 50	1 6	0 21	1 9	21 1	0 52	12 43	0 49	3 7	2 2	32 11	12 47	19 25	19 22	13 50		n.a.	T 20
F 21	14 28	1s 7	4 28	5 54	0 46	21 51	1 43	15 37	1 5	0 26	1 9	21 1	0 52	12 44	0 49	3 7	2 2	32 11	12 47	19 22	19 21	13 51		n.a.	F 21
S 22	14 9	5 28	3 53	5 14	0 54	21 52	1 39	15 24	1 5	0 31	1 9	21 1	0 52	12 45	0 49	3 6	2 2	32 11	12 47	19 20	19 21	13 53		n.a.	S 22
S 23	13 50	9 33	3 8	4 35	1 2	21 53	1 34	15 11	1 5	0 36	1 9	21 2	0 52	12 46	0 49	3 6	2 2	32 11	12 47	19 18	19 20	13 54		n.a.	S 23
M24	13 30	13 13	2 15	3 55	1 10	21 53	1 29	14 58	1 5	0 40	1 9	21 2	0 52	12 46	0 49	3 5	2 2	32 12	12 46	19 17	19 19	13 56		n.a.	M24
T 25	13 10	16 21	1 17	3 17	1 18	21 53	1 24	14 45	1 5	0 45	1 9	21 2	0 51	12 47	0 49	3 5	2 2	32 12	12 46	19 17	19 18	13 58		n.a.	T 25
W26	12 50	18 48	0 15	2 38	1 26	21 51	1 20	14 31	1 4	0 50	1 8	21 2	0 51	12 48	0 49	3 4	2 2	32 12	12 46	19 16	19 17	13 59		n.a.	W26
T 27	12 29	20 28	0n48	2 0	1 33	21 50	1 15	14 18	1 4	0 55	1 8	21 3	0 51	12 49	0 49	3 4	2 2	32 12	12 46	19 16	19 17	14 1		n.a.	T 27
F 28	12 9	21 12	1 50	1 23	1 41	21 48	1 10	14 4	1 4	1 0	1 8	21 3	0 51	12 50	0 49	3 4	2 2	32 12	12 46	19 16	19 16	14 3		n.a.	F 28
S 29	11 48	20 56	2 48	0 46	1 49	21 45	1 6	13 50	1 4	1 5	1 8	21 3	0 51	12 51	0 49	3 3	2 2	32 13	12 46	19 16	19 15	14 4		n.a.	S 29
S 30	11 27	19 35	3 40	0 10	1 56	21 41	1 1	13 36	1 4	1 10	1 8	21 4	0 51	12 52	0 49	3 3	2 2	32 13	12 46	19 14	19 14	14 6		n.a.	S 30
M31	11n 5	17s 9	4n21	0s25	2s 4	21n37	0s56	13n22	1n 3	1s15	1n 8	21s 4	0n51	12s52	0s49	3n 2	2s 2	32s13	12s46	19s12	19s14	14s 7		n.a.	M31

Julian Day Number = 1565673.5, Delta T = 04h21m09s
Ecliptic obliquity = 23°44'43, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'41, Lahiri = - 9°50'40 Julian Calendar 1 Aug. 427 BCE == Greg. Calendar 27 July 427 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

SEPTEMBER 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 17 53	2♍26'55	8♒29	27♍30	18♋50	28♌28	5♎52	7♐52	28°R34	12°R15	2°R34	24°R37	24♏49	1♏50	n.a.	T 1
W 2	22 21 49	3°26'06	22°33	28°37	19°58	29° 8	6° 4	7°53	28♒32	12♈13	2♒33	24♏26	24°46	1°57	n.a.	W 2
T 3	22 25 46	4°25'20	6♓58	29°43	21° 5	29°47	6°16	7°55	28°29	12°12	2°32	24°14	24°42	2° 3	n.a.	T 3
F 4	22 29 42	5°24'36	21°36	0♎45	22°13	0♍26	6°28	7°57	28°27	12°11	2°31	24° 3	24°39	2°10	n.a.	F 4
S 5	22 33 39	6°23'55	6♈20	1°46	23°21	1° 6	6°41	7°58	28°24	12°10	2°30	23°54	24°36	2°17	n.a.	S 5
S 6	22 37 35	7°23'15	21° 2	2°44	24°29	1°45	6°53	8° 0	28°22	12° 8	2°29	23°48	24°33	2°23	n.a.	S 6
M 7	22 41 32	8°22'39	5♉36	3°39	25°37	2°25	7° 5	8° 2	28°20	12° 7	2°28	23°45	24°30	2°30	n.a.	M 7
T 8	22 45 28	9°22'04	19°57	4°30	26°46	3° 5	7°18	8° 4	28°17	12° 6	2°27	23°D44	24°27	2°37	n.a.	T 8
W 9	22 49 25	10°21'32	4♊ 4	5°19	27°55	3°44	7°30	8° 6	28°15	12° 4	2°26	23°R44	24°23	2°43	n.a.	W 9
T 10	22 53 22	11°21'03	17°55	6° 3	29° 3	4°24	7°43	8° 8	28°13	12° 3	2°25	23°44	24°20	2°50	n.a.	T 10
F 11	22 57 18	12°20'36	1♋32	6°43	0♌13	5° 3	7°55	8°10	28°10	12° 1	2°24	23°43	24°17	2°57	n.a.	F 11
S 12	23 1 15	13°20'11	14°55	7°19	1°22	5°43	8° 8	8°13	28° 8	12° 0	2°23	23°39	24°14	3° 3	n.a.	S 12
S 13	23 5 11	14°19'49	28° 6	7°50	2°31	6°23	8°20	8°15	28° 6	11°59	2°22	23°32	24°11	3°10	n.a.	S 13
M14	23 9 8	15°19'29	11♌ 4	8°15	3°41	7° 3	8°33	8°18	28° 3	11°57	2°21	23°23	24° 7	3°17	n.a.	M14
T 15	23 13 4	16°19'12	23°51	8°35	4°50	7°42	8°46	8°20	28° 1	11°56	2°20	23°12	24° 4	3°23	n.a.	T 15
W16	23 17 1	17°18'56	6♍26	8°47	6° 0	8°22	8°59	8°23	27°59	11°54	2°20	23° 0	24° 1	3°30	n.a.	W16
T 17	23 20 57	18°18'43	18°50	8°R53	7°10	9° 2	9°12	8°26	27°57	11°53	2°19	22°47	23°58	3°37	n.a.	T 17
F 18	23 24 54	19°18'32	1♎ 3	8°51	8°21	9°42	9°24	8°29	27°54	11°51	2°18	22°36	23°55	3°43	n.a.	F 18
S 19	23 28 50	20°18'23	13° 6	8°41	9°31	10°22	9°37	8°32	27°52	11°49	2°17	22°27	23°52	3°50	n.a.	S 19
S 20	23 32 47	21°18'15	25° 0	8°23	10°41	11° 2	9°50	8°35	27°50	11°48	2°16	22°21	23°48	3°57	n.a.	S 20
M21	23 36 44	22°18'10	6♏48	7°56	11°52	11°42	10° 3	8°38	27°48	11°46	2°16	22°17	23°45	4° 3	n.a.	M21
T 22	23 40 40	23°18'07	18°34	7°20	13° 3	12°22	10°16	8°41	27°46	11°45	2°15	22°D16	23°42	4°10	n.a.	T 22
W23	23 44 37	24°18'05	0♐22	6°34	14°13	13° 2	10°29	8°44	27°44	11°43	2°14	22°16	23°39	4°17	n.a.	W23
T 24	23 48 33	25°18'06	12°16	5°41	15°24	13°42	10°42	8°48	27°42	11°42	2°13	22°17	23°36	4°23	n.a.	T 24
F 25	23 52 30	26°18'08	24°22	4°39	16°36	14°22	10°55	8°51	27°39	11°40	2°13	22°R18	23°32	4°30	n.a.	F 25
S 26	23 56 26	27°18'12	6♑46	3°31	17°47	15° 2	11° 8	8°55	27°37	11°38	2°12	22°17	23°29	4°36	n.a.	S 26
S 27	0 0 23	28°18'17	19°31	2°18	18°58	15°42	11°22	8°59	27°35	11°37	2°12	22°15	23°26	4°43	n.a.	S 27
M28	0 4 19	29°18'25	2♒43	1° 1	20°10	16°23	11°35	9° 2	27°34	11°35	2°11	22°10	23°23	4°50	n.a.	M28
T 29	0 8 16	0♎18'34	16°24	29♍44	21°21	17° 3	11°48	9° 6	27°32	11°33	2°10	22° 4	23°20	4°56	n.a.	T 29
W30	0 12 13	1♎18'44	0♓34	28♍28	22♌33	17♍43	12♎ 1	9♐10	27♒30	11♈32	2♒10	21♏56	23♏17	5♏ 3	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n44	13s43	4n49	1s 0	2s11	21n33	0s52	13n 8	1n 3	1s19	1n 8	21s 4	0n50	12s53	0s49	3n 2	2s 2	32s13	12s46	19s10	19s13	14s 9		n.a.
W 2	10 22	9 26	5 1	1 33	2 18	21 28	0 47	12 54	1 3	1 24	1 8	21 5	0 50	12 54	0 49	3 1	2 2	32 13	12 46	19 7	19 12	14 10		n.a.
T 3	10 1	4 31	4 54	2 6	2 25	21 22	0 43	12 40	1 3	1 29	1 7	21 5	0 50	12 55	0 49	3 0	2 2	32 13	12 45	19 4	19 11	14 12		n.a.
F 4	9 39	0n43	4 27	2 37	2 32	21 16	0 38	12 26	1 2	1 34	1 7	21 6	0 50	12 56	0 49	3 0	2 2	32 14	12 45	19 1	19 10	14 14		n.a.
S 5	9 17	5 57	3 43	3 8	2 38	21 9	0 34	12 11	1 2	1 39	1 7	21 6	0 50	12 57	0 49	2 59	2 2	32 14	12 45	18 59	19 10	14 15		n.a.
S 6	8 54	10 50	2 44	3 37	2 45	21 1	0 29	11 57	1 2	1 45	1 7	21 6	0 50	12 57	0 49	2 59	2 3	32 14	12 45	18 58	19 9	14 17		n.a.
M 7	8 32	15 2	1 35	4 4	2 50	20 53	0 25	11 42	1 2	1 50	1 7	21 7	0 49	12 58	0 49	2 58	2 3	32 14	12 45	18 57	19 8	14 18		n.a.
T 8	8 9	18 17	0 20	4 30	2 56	20 44	0 21	11 28	1 1	1 55	1 7	21 7	0 49	12 59	0 49	2 58	2 3	32 14	12 45	18 57	19 7	14 20		n.a.
W 9	7 47	20 20	0s55	4 54	3 1	20 35	0 16	11 13	1 1	2 0	1 7	21 8	0 49	13 0	0 49	2 57	2 3	32 14	12 45	18 57	19 7	14 21		n.a.
T 10	7 24	21 7	2 5	5 16	3 6	20 25	0 12	10 58	1 1	2 5	1 6	21 8	0 49	13 1	0 49	2 57	2 3	32 14	12 44	18 57	19 6	14 23		n.a.
F 11	7 1	20 38	3 6	5 36	3 10	20 14	0 8	10 43	1 1	2 10	1 6	21 9	0 49	13 2	0 49	2 56	2 3	32 14	12 44	18 56	19 5	14 25		n.a.
S 12	6 38	18 59	3 57	5 53	3 13	20 3	0 4	10 28	1 0	2 15	1 6	21 9	0 49	13 2	0 49	2 55	2 3	32 14	12 44	18 55	19 4	14 26		n.a.
S 13	6 15	16 20	4 34	6 8	3 16	19 51	0n 0	10 13	1 0	2 20	1 6	21 10	0 48	13 3	0 49	2 55	2 3	32 14	12 44	18 54	19 3	14 28		n.a.
M14	5 51	12 56	4 56	6 20	3 18	19 39	0 4	9 58	1 0	2 25	1 6	21 11	0 48	13 4	0 49	2 54	2 3	32 14	12 44	18 51	19 3	14 29		n.a.
T 15	5 28	8 59	5 3	6 29	3 19	19 26	0 8	9 42	1 0	2 31	1 6	21 11	0 48	13 5	0 49	2 54	2 3	32 14	12 44	18 49	19 2	14 31		n.a.
W16	5 4	4 42	4 54	6 34	3 19	19 12	0 12	9 27	0 59	2 36	1 6	21 12	0 48	13 5	0 49	2 53	2 3	32 15	12 43	18 45	19 1	14 32		n.a.
T 17	4 41	0 18	4 32	6 36	3 18	18 58	0 16	9 12	0 59	2 41	1 6	21 12	0 48	13 6	0 49	2 52	2 3	32 15	12 43	18 42	19 0	14 34		n.a.
F 18	4 17	4s 3	3 58	6 33	3 16	18 43	0 20	8 56	0 59	2 46	1 6	21 13	0 48	13 7	0 49	2 52	2 3	32 15	12 43	18 39	18 59	14 35		n.a.
S 19	3 53	8 12	3 13	6 25	3 12	18 28	0 23	8 41	0 59	2 51	1 6	21 14	0 48	13 8	0 49	2 51	2 3	32 15	12 43	18 37	18 59	14 37		n.a.
S 20	3 29	11 58	2 21	6 13	3 7	18 13	0 27	8 25	0 58	2 57	1 5	21 14	0 47	13 8	0 49	2 50	2 3	32 15	12 43	18 36	18 58	14 38		n.a.
M21	3 5	15 15	1 22	5 56	3 0	17 56	0 30	8 9	0 58	3 2	1 5	21 15	0 47	13 9	0 49	2 50	2 3	32 15	12 42	18 35	18 57	14 40		n.a.
T 22	2 42	17 53	0 20	5 34	2 52	17 39	0 34	7 54	0 58	3 7	1 5	21 15	0 47	13 10	0 49	2 49	2 3	32 15	12 42	18 34	18 56	14 41		n.a.
W23	2 17	19 47	0n43	5 6	2 41	17 22	0 37	7 38	0 57	3 12	1 5	21 16	0 47	13 11	0 49	2 48	2 3	32 14	12 42	18 34	18 55	14 43		n.a.
T 24	1 53	20 49	1 45	4 33	2 29	17 4	0 41	7 22	0 57	3 18	1 5	21 17	0 47	13 11	0 49	2 48	2 3	32 14	12 42	18 34	18 55	14 44		n.a.
F 25	1 29	20 54	2 44	3 56	2 15	16 46	0 44	7 6	0 57	3 23	1 5	21 17	0 47	13 12	0 49	2 47	2 3	32 14	12 41	18 35	18 54	14 46		n.a.
S 26	1 5	19 59	3 36	3 13	1 58	16 27	0 47	6 50	0 57	3 28	1 5	21 18	0 46	13 13	0 49	2 46	2 3	32 14	12 41	18 35	18 53	14 47		n.a.
S 27	0 41	18 2	4 19	2 28	1 41	16 8	0 50	6 34	0 56	3 33	1 5	21 19	0 46	13 13	0 49	2 46	2 3	32 14	12 41	18 34	18 52	14 49		n.a.
M28	0 17	15 6	4 50	1 40	1 22	15 48	0 54	6 18	0 56	3 39	1 5	21 20	0 46	13 14	0 49	2 45	2 3	32 14	12 41	18 33	18 51	14 50		n.a.
T 29	0s 7	11 16	5 6	0 50	1 2	15 27	0 57	6 2	0 56	3 44	1 5	21 20	0 46	13 15	0 49	2 44	2 3	32 14	12 41	18 31	18 51	14 52		n.a.
W30	0s32	6s41	5n 4	0s 1	0s41	15n 7	0n59	5n46	0n55	3s49	1n 5	21s21	0n46	13s15	0s49	2n44	2s 3	32s14	12s40	18s29	18s50	14s53		n.a.

Julian Day Number = 1565704.5, Delta T = 04h21m07s
Ecliptic obliquity = 23°44'44, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'36, Lahiri = - 9°50'36 Julian Calendar 1 Sept. 427 BCE == Greg. Calendar 27 Aug. 427 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

OCTOBER 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 16 9	2♎18'56	15♓ 8	27°R15	23♌45	18♍23	12♎14	9♐14	27°R28	11°R30	2°R 9	21°R48	23♏13	5♏10	n.a.	T 1
F 2	0 20 6	3°19'10	0♈ 2	26♍ 9	24°56	19° 4	12°27	9°18	27♒26	11♈28	2♒ 9	21♏40	23°10	5°16	n.a.	F 2
S 3	0 24 2	4°19'26	15° 6	25°11	26° 8	19°44	12°41	9°22	27°24	11°27	2° 8	21°34	23° 7	5°23	n.a.	S 3
S 4	0 27 59	5°19'44	0♉11	24°22	27°21	20°24	12°54	9°27	27°22	11°25	2° 8	21°30	23° 4	5°30	n.a.	S 4
M 5	0 31 55	6°20'04	15° 8	23°44	28°33	21° 5	13° 7	9°31	27°21	11°23	2° 7	21°D28	23° 1	5°36	n.a.	M 5
T 6	0 35 52	7°20'26	29°50	23°18	29°45	21°45	13°21	9°35	27°19	11°22	2° 7	21°29	22°58	5°43	n.a.	T 6
W 7	0 39 48	8°20'51	14♊12	23° 4	0♍58	22°26	13°34	9°40	27°17	11°20	2° 7	21°30	22°54	5°50	n.a.	W 7
T 8	0 43 45	9°21'17	28°12	23°D 0	2°10	23° 6	13°47	9°44	27°16	11°18	2° 6	21°31	22°51	5°56	n.a.	T 8
F 9	0 47 42	10°21'45	11♋50	23° 9	3°23	23°47	14° 0	9°49	27°14	11°17	2° 6	21°R31	22°48	6° 3	n.a.	F 9
S 10	0 51 38	11°22'15	25° 7	23°27	4°35	24°28	14°14	9°54	27°13	11°15	2° 6	21°31	22°45	6°10	n.a.	S 10
S 11	0 55 35	12°22'48	8♌ 7	23°55	5°48	25° 8	14°27	9°58	27°11	11°13	2° 5	21°28	22°42	6°16	n.a.	S 11
M12	0 59 31	13°23'22	20°51	24°32	7° 1	25°49	14°40	10° 3	27°10	11°11	2° 5	21°23	22°38	6°23	n.a.	M12
T 13	1 3 28	14°23'58	3♍21	25°17	8°14	26°30	14°54	10° 8	27° 8	11°10	2° 5	21°17	22°35	6°30	n.a.	T 13
W14	1 7 24	15°24'36	15°40	26° 9	9°27	27°10	15° 7	10°13	27° 7	11° 8	2° 5	21°10	22°32	6°36	n.a.	W14
T 15	1 11 21	16°25'15	27°49	27° 8	10°40	27°51	15°21	10°18	27° 5	11° 6	2° 4	21° 4	22°29	6°43	n.a.	T 15
F 16	1 15 17	17°25'57	9♎50	28°11	11°54	28°32	15°34	10°23	27° 4	11° 5	2° 4	20°58	22°26	6°49	n.a.	F 16
S 17	1 19 14	18°26'39	21°45	29°19	13° 7	29°13	15°47	10°28	27° 3	11° 3	2° 4	20°53	22°23	6°56	n.a.	S 17
S 18	1 23 10	19°27'24	3♏34	0♎32	14°20	29°54	16° 1	10°34	27° 2	11° 1	2° 4	20°50	22°19	7° 3	n.a.	S 18
M19	1 27 7	20°28'10	15°21	1°47	15°34	0♎35	16°14	10°39	27° 1	11° 0	2° 4	20°D48	22°16	7° 9	n.a.	M19
T 20	1 31 4	21°28'57	27° 8	3° 6	16°47	1°16	16°27	10°44	26°59	10°58	2° 4	20°48	22°13	7°16	n.a.	T 20
W21	1 35 0	22°29'46	8♐57	4°27	18° 1	1°57	16°41	10°50	26°58	10°56	2° 4	20°49	22°10	7°23	n.a.	W21
T 22	1 38 57	23°30'35	20°52	5°50	19°14	2°38	16°54	10°55	26°57	10°55	2°D 4	20°51	22° 7	7°29	n.a.	T 22
F 23	1 42 53	24°31'26	2♑59	7°15	20°28	3°19	17° 7	11° 1	26°56	10°53	2° 4	20°53	22° 3	7°36	n.a.	F 23
S 24	1 46 50	25°32'18	15°20	8°42	21°42	4° 0	17°21	11° 6	26°55	10°51	2° 4	20°54	22° 0	7°43	n.a.	S 24
S 25	1 50 46	26°33'11	28° 1	10°10	22°56	4°41	17°34	11°12	26°54	10°50	2° 4	20°R55	21°57	7°49	n.a.	S 25
M26	1 54 43	27°34'06	11♒ 5	11°38	24° 9	5°22	17°47	11°18	26°54	10°48	2° 4	20°54	21°54	7°56	n.a.	M26
T 27	1 58 39	28°35'01	24°37	13° 8	25°23	6° 3	18° 0	11°23	26°53	10°47	2° 4	20°52	21°51	8° 3	n.a.	T 27
W28	2 2 36	29°35'56	8♓37	14°38	26°37	6°44	18°14	11°29	26°52	10°45	2° 4	20°50	21°48	8° 9	n.a.	W28
T 29	2 6 33	0♏36'53	23° 5	16° 9	27°51	7°26	18°27	11°35	26°51	10°43	2° 4	20°47	21°44	8°16	n.a.	T 29
F 30	2 10 29	1°37'51	7♈56	17°41	29° 5	8° 7	18°40	11°41	26°51	10°42	2° 5	20°44	21°41	8°23	n.a.	F 30
S 31	2 14 26	2♏38'50	23♈ 4	19♎12	0♎19	8♎48	18♎53	11♐47	26♒50	10♈40	2♒ 5	20♏42	21♏38	8♏29	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	0s56	1s36	4n43	0n47	0s21	14n45	1n 2	5n29	0n55	3s55	1n 5	21s22	0n46	13s16	0s49	2n43	2s 3	32s14	12s40	18s27	18s49	14s55			n.a.
F 2	1 20	3n42	4 2	1 33	0 0	14 24	1 5	5 13	0 55	4 0	1 4	21 23	0 46	13 17	0 49	2 42	2 3	32 14	12 40	18 25	18 48	14 56			n.a.
S 3	1 44	8 50	3 4	2 14	0n19	14 1	1 8	4 57	0 54	4 5	1 4	21 23	0 45	13 17	0 49	2 42	2 3	32 14	12 40	18 23	18 47	14 58			n.a.
S 4	2 9	13 26	1 53	2 51	0 38	13 39	1 10	4 40	0 54	4 10	1 4	21 24	0 45	13 18	0 48	2 41	2 3	32 14	12 39	18 22	18 47	14 59			n.a.
M 5	2 33	17 8	0 34	3 22	0 55	13 16	1 13	4 24	0 54	4 16	1 4	21 25	0 45	13 18	0 48	2 40	2 3	32 13	12 39	18 22	18 46	15 1			n.a.
T 6	2 57	19 38	0s45	3 46	1 11	12 52	1 15	4 7	0 53	4 21	1 4	21 26	0 45	13 19	0 48	2 40	2 3	32 13	12 39	18 22	18 45	15 2			n.a.
W 7	3 21	20 48	2 0	4 5	1 25	12 29	1 18	3 51	0 53	4 26	1 4	21 27	0 45	13 19	0 48	2 39	2 3	32 13	12 39	18 22	18 44	15 4			n.a.
T 8	3 45	20 38	3 6	4 17	1 37	12 5	1 20	3 34	0 53	4 31	1 4	21 27	0 45	13 20	0 48	2 38	2 3	32 13	12 38	18 22	18 43	15 5			n.a.
F 9	4 9	19 14	4 0	4 24	1 47	11 40	1 22	3 18	0 52	4 37	1 4	21 28	0 45	13 21	0 48	2 38	2 3	32 13	12 38	18 23	18 42	15 6			n.a.
S 10	4 33	16 49	4 39	4 24	1 56	11 15	1 24	3 1	0 52	4 42	1 4	21 29	0 45	13 21	0 48	2 37	2 3	32 13	12 38	18 22	18 42	15 8			n.a.
S 11	4 57	13 36	5 3	4 19	2 3	10 50	1 26	2 45	0 52	4 47	1 4	21 30	0 44	13 22	0 48	2 36	2 3	32 13	12 38	18 22	18 41	15 9			n.a.
M12	5 21	9 49	5 11	4 9	2 9	10 24	1 28	2 28	0 51	4 53	1 4	21 31	0 44	13 22	0 48	2 36	2 3	32 12	12 37	18 20	18 40	15 11			n.a.
T 13	5 45	5 41	5 4	3 55	2 13	9 58	1 30	2 11	0 51	4 58	1 4	21 32	0 44	13 23	0 48	2 35	2 3	32 12	12 37	18 19	18 39	15 12			n.a.
W14	6 9	1 23	4 43	3 37	2 15	9 32	1 32	1 54	0 50	5 3	1 4	21 32	0 44	13 23	0 48	2 34	2 3	32 12	12 37	18 17	18 38	15 14			n.a.
T 15	6 32	2s56	4 10	3 15	2 17	9 6	1 33	1 38	0 50	5 8	1 4	21 33	0 44	13 23	0 48	2 34	2 3	32 12	12 37	18 15	18 38	15 15			n.a.
F 16	6 56	7 5	3 25	2 50	2 18	8 39	1 35	1 21	0 50	5 14	1 4	21 34	0 44	13 24	0 48	2 33	2 3	32 12	12 36	18 14	18 37	15 16			n.a.
S 17	7 19	10 56	2 33	2 22	2 17	8 12	1 36	1 4	0 49	5 19	1 4	21 35	0 44	13 24	0 48	2 32	2 3	32 11	12 36	18 12	18 36	15 18			n.a.
S 18	7 42	14 19	1 33	1 52	2 16	7 44	1 38	0 47	0 49	5 24	1 4	21 36	0 43	13 25	0 48	2 32	2 3	32 11	12 36	18 11	18 35	15 19			n.a.
M19	8 6	17 7	0 30	1 19	2 14	7 17	1 39	0 31	0 49	5 29	1 4	21 37	0 43	13 25	0 48	2 31	2 3	32 11	12 36	18 11	18 34	15 21			n.a.
T 20	8 29	19 12	0n35	0 45	2 11	6 49	1 40	0 14	0 48	5 34	1 3	21 38	0 43	13 25	0 48	2 30	2 3	32 11	12 35	18 11	18 33	15 22			n.a.
W21	8 52	20 27	1 38	0 10	2 8	6 21	1 41	0s 3	0 48	5 40	1 3	21 39	0 43	13 26	0 48	2 30	2 3	32 10	12 35	18 11	18 33	15 24			n.a.
T 22	9 15	20 48	2 38	0s27	2 4	5 53	1 42	0 20	0 47	5 45	1 3	21 39	0 43	13 26	0 48	2 29	2 3	32 10	12 35	18 12	18 32	15 25			n.a.
F 23	9 37	20 11	3 32	1 5	2 0	5 24	1 43	0 37	0 47	5 50	1 3	21 40	0 43	13 26	0 48	2 29	2 3	32 10	12 34	18 12	18 31	15 26			n.a.
S 24	10 0	18 36	4 17	1 44	1 55	4 55	1 44	0 54	0 47	5 55	1 3	21 41	0 43	13 27	0 48	2 28	2 3	32 10	12 34	18 13	18 30	15 28			n.a.
S 25	10 22	16 4	4 51	2 24	1 50	4 27	1 45	1 11	0 46	6 0	1 3	21 42	0 43	13 27	0 48	2 27	2 3	32 9	12 34	18 13	18 29	15 29			n.a.
M26	10 44	12 41	5 11	3 4	1 44	3 58	1 46	1 28	0 46	6 5	1 3	21 43	0 43	13 27	0 48	2 27	2 3	32 9	12 34	18 13	18 28	15 30			n.a.
T 27	11 6	8 32	5 15	3 44	1 39	3 29	1 46	1 44	0 45	6 11	1 3	21 44	0 42	13 27	0 48	2 26	2 3	32 9	12 33	18 12	18 28	15 32			n.a.
W28	11 28	3 48	5 1	4 25	1 33	2 59	1 47	2 1	0 45	6 16	1 3	21 45	0 42	13 28	0 48	2 25	2 3	32 8	12 33	18 11	18 27	15 33			n.a.
T 29	11 50	1n18	4 27	5 6	1 27	2 30	1 47	2 18	0 44	6 21	1 3	21 46	0 42	13 28	0 48	2 25	2 3	32 8	12 33	18 11	18 26	15 35			n.a.
F 30	12 11	6 28	3 35	5 47	1 20	2 0	1 47	2 35	0 44	6 26	1 3	21 47	0 42	13 28	0 48	2 24	2 3	32 8	12 33	18 10	18 25	15 36			n.a.
S 31	12s33	11n21	2n27	6s28	1n14	1n31	1n48	2s52	0n44	6s31	1n 3	21s48	0n42	13s28	0s48	2n24	2s 3	32s 7	12s32	18s 9	18s24	15s37			n.a.

Julian Day Number = 1565734.5, Delta T = 04h21m06s
Ecliptic obliquity = 23°44'44, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'32, Lahiri = - 9°50'32 Julian Calendar 1 Oct. 427 BCE == Greg. Calendar 26 Sept. 427 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

NOVEMBER 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 18 22	3♏39'50	8♉19	20♎44	1♎34	9♎30	19♎ 6	11♐53	26°R50	10°R39	2♒ 5	20°R41	21♏35	8♏36	n.a.	S 1
M 2	2 22 19	4°40'51	23°32	22°17	2°48	10°11	19°20	11°59	26♒49	10♈37	2° 5	20°D40	21°32	8°43	n.a.	M 2
T 3	2 26 15	5°41'53	8♊32	23°49	4° 2	10°52	19°33	12° 5	26°49	10°36	2° 6	20♏41	21°29	8°49	n.a.	T 3
W 4	2 30 12	6°42'56	23°13	25°22	5°16	11°34	19°46	12°11	26°48	10°34	2° 6	20°42	21°25	8°56	n.a.	W 4
T 5	2 34 8	7°44'01	7♋29	26°55	6°31	12°15	19°59	12°17	26°48	10°33	2° 6	20°43	21°22	9° 2	n.a.	T 5
F 6	2 38 5	8°45'06	21°19	28°28	7°45	12°57	20°12	12°24	26°48	10°31	2° 7	20°44	21°19	9° 9	n.a.	F 6
S 7	2 42 2	9°46'13	4♌42	0♏ 1	9° 0	13°38	20°25	12°30	26°47	10°30	2° 7	20°R44	21°16	9°16	n.a.	S 7
S 8	2 45 58	10°47'21	17°42	1°34	10°14	14°20	20°38	12°36	26°47	10°28	2° 8	20°44	21°13	9°22	n.a.	S 8
M 9	2 49 55	11°48'30	0♍21	3° 7	11°29	15° 2	20°51	12°43	26°47	10°27	2° 8	20°44	21° 9	9°29	n.a.	M 9
T 10	2 53 51	12°49'40	12°43	4°41	12°43	15°43	21° 4	12°49	26°47	10°26	2° 9	20°43	21° 6	9°36	n.a.	T 10
W11	2 57 48	13°50'51	24°52	6°14	13°58	16°25	21°17	12°56	26°D47	10°24	2° 9	20°42	21° 3	9°42	n.a.	W11
T 12	3 1 44	14°52'03	6♎51	7°48	15°12	17° 7	21°29	13° 2	26°47	10°23	2°10	20°41	21° 0	9°49	n.a.	T 12
F 13	3 5 41	15°53'15	18°44	9°21	16°27	17°49	21°42	13° 9	26°47	10°22	2°10	20°40	20°57	9°56	n.a.	F 13
S 14	3 9 37	16°54'29	0♏33	10°55	17°42	18°30	21°55	13°15	26°47	10°20	2°11	20°40	20°54	10° 2	n.a.	S 14
S 15	3 13 34	17°55'43	12°20	12°29	18°56	19°12	22° 8	13°22	26°47	10°19	2°11	20°40	20°50	10° 9	n.a.	S 15
M16	3 17 31	18°56'57	24° 8	14° 3	20°11	19°54	22°20	13°28	26°47	10°18	2°12	20°D40	20°47	10°16	n.a.	M16
T 17	3 21 27	19°58'13	5♐59	15°37	21°26	20°36	22°33	13°35	26°48	10°16	2°13	20°40	20°44	10°22	n.a.	T 17
W18	3 25 24	20°59'28	17°55	17°11	22°40	21°18	22°46	13°42	26°48	10°15	2°13	20°R40	20°41	10°29	n.a.	W18
T 19	3 29 20	22° 0'44	29°58	18°46	23°55	22° 0	22°58	13°48	26°48	10°14	2°14	20°40	20°38	10°36	n.a.	T 19
F 20	3 33 17	23° 2'00	12♑11	20°20	25°10	22°42	23°11	13°55	26°49	10°13	2°15	20°39	20°35	10°42	n.a.	F 20
S 21	3 37 13	24° 3'16	24°37	21°55	26°25	23°24	23°23	14° 2	26°49	10°12	2°15	20°39	20°31	10°49	n.a.	S 21
S 22	3 41 10	25° 4'32	7♒19	23°30	27°40	24° 6	23°35	14° 9	26°50	10°11	2°16	20°39	20°28	10°56	n.a.	S 22
M23	3 45 7	26° 5'48	20°19	25° 5	28°55	24°48	23°48	14°16	26°50	10°10	2°17	20°D38	20°25	11° 2	n.a.	M23
T 24	3 49 3	27° 7'04	3♓42	26°41	0♏ 9	25°30	24° 0	14°23	26°51	10° 9	2°18	20°38	20°22	11° 9	n.a.	T 24
W25	3 53 0	28° 8'20	17°28	28°16	1°24	26°13	24°12	14°29	26°52	10° 8	2°19	20°39	20°19	11°15	n.a.	W25
T 26	3 56 56	29° 9'36	1♈38	29°52	2°39	26°55	24°24	14°36	26°52	10° 7	2°20	20°39	20°15	11°22	n.a.	T 26
F 27	4 0 53	0♗10'51	16°12	1♗28	3°54	27°37	24°36	14°43	26°53	10° 6	2°20	20°40	20°12	11°29	n.a.	F 27
S 28	4 4 49	1°12'07	1♉ 5	3° 5	5° 9	28°19	24°49	14°50	26°54	10° 5	2°21	20°41	20° 9	11°35	n.a.	S 28
S 29	4 8 46	2°13'22	16°10	4°42	6°24	29° 2	25° 1	14°57	26°55	10° 4	2°22	20°R42	20° 6	11°42	n.a.	S 29
M30	4 12 42	3♗14'37	1♊20	6♗19	7♏39	29♎44	25♎12	15♗ 4	26♒56	10♈ 3	2♒23	20♏41	20♏ 3	11♏49	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s54	15n32	1n 8	7s 9	1n 7	1n 1	1n48	3s 9	0n43	6s36	1n 3	21s49	0n42	13s28	0s48	2n23	2s 3	32s 7	12s32	18s 9	18s23	15s39		n.a.
M 2	13 15	18 38	0s16	7 50	1 1	0 31	1 48	3 26	0 43	6 41	1 3	21 50	0 42	13 28	0 48	2 22	2 3	32 7	12 32	18 9	18 23	15 40		n.a.
T 3	13 35	20 24	1 38	8 31	0 54	0 1	1 48	3 43	0 42	6 46	1 3	21 50	0 42	13 29	0 47	2 22	2 3	32 6	12 31	18 9	18 22	15 41		n.a.
W 4	13 56	20 43	2 51	9 12	0 47	0s28	1 48	3 59	0 42	6 51	1 3	21 51	0 41	13 29	0 47	2 21	2 3	32 6	12 31	18 9	18 21	15 43		n.a.
T 5	14 16	19 41	3 52	9 52	0 41	0 58	1 48	4 16	0 41	6 56	1 3	21 52	0 41	13 29	0 47	2 21	2 3	32 6	12 31	18 10	18 20	15 44		n.a.
F 6	14 36	17 28	4 37	10 32	0 34	1 28	1 47	4 33	0 41	7 1	1 3	21 53	0 41	13 29	0 47	2 20	2 3	32 5	12 31	18 10	18 19	15 45		n.a.
S 7	14 56	14 23	5 5	11 12	0 27	1 58	1 47	4 50	0 40	7 6	1 3	21 54	0 41	13 29	0 47	2 20	2 3	32 5	12 30	18 10	18 18	15 47		n.a.
S 8	15 15	10 41	5 17	11 51	0 20	2 28	1 47	5 7	0 40	7 11	1 3	21 55	0 41	13 29	0 47	2 19	2 3	32 5	12 30	18 10	18 18	15 48		n.a.
M 9	15 34	6 36	5 13	12 30	0 13	2 58	1 46	5 23	0 39	7 16	1 3	21 56	0 41	13 29	0 47	2 19	2 3	32 4	12 30	18 10	18 17	15 49		n.a.
T 10	15 53	2 20	4 55	13 9	0 6	3 28	1 46	5 40	0 39	7 21	1 3	21 57	0 41	13 29	0 47	2 18	2 3	32 4	12 30	18 10	18 16	15 51		n.a.
W11	16 12	1s57	4 23	13 46	0s 0	3 58	1 45	5 57	0 38	7 26	1 3	21 58	0 41	13 29	0 47	2 18	2 3	32 4	12 29	18 9	18 15	15 52		n.a.
T 12	16 30	6 7	3 40	14 24	0 7	4 28	1 44	6 13	0 38	7 30	1 3	21 59	0 41	13 29	0 47	2 17	2 3	32 3	12 29	18 9	18 14	15 53		n.a.
F 13	16 48	10 1	2 49	15 0	0 14	4 57	1 43	6 30	0 37	7 35	1 3	22 0	0 41	13 29	0 47	2 17	2 3	32 3	12 29	18 9	18 13	15 55		n.a.
S 14	17 6	13 31	1 50	15 37	0 20	5 27	1 43	6 46	0 37	7 40	1 3	22 1	0 40	13 29	0 47	2 16	2 2	32 2	12 29	18 9	18 12	15 56		n.a.
S 15	17 24	16 28	0 46	16 12	0 26	5 57	1 42	7 3	0 36	7 45	1 3	22 2	0 40	13 29	0 47	2 16	2 2	32 2	12 28	18 9	18 12	15 57		n.a.
M16	17 41	18 44	0n19	16 47	0 33	6 26	1 41	7 20	0 36	7 50	1 3	22 3	0 40	13 29	0 47	2 15	2 2	32 2	12 28	18 9	18 11	15 59		n.a.
T 17	17 58	20 12	1 24	17 21	0 39	6 55	1 40	7 36	0 35	7 54	1 3	22 3	0 40	13 28	0 47	2 15	2 2	32 1	12 28	18 9	18 10	16 0		n.a.
W18	18 14	20 46	2 26	17 54	0 45	7 25	1 38	7 52	0 35	7 59	1 3	22 4	0 40	13 28	0 47	2 14	2 2	32 1	12 28	18 9	18 9	16 1		n.a.
T 19	18 30	20 23	3 22	18 27	0 51	7 54	1 37	8 9	0 34	8 4	1 3	22 5	0 40	13 28	0 47	2 14	2 2	32 0	12 27	18 9	18 8	16 3		n.a.
F 20	18 46	19 2	4 9	18 58	0 57	8 22	1 36	8 25	0 34	8 8	1 3	22 6	0 40	13 28	0 47	2 14	2 2	32 0	12 27	18 9	18 7	16 4		n.a.
S 21	19 2	16 47	4 46	19 29	1 3	8 51	1 35	8 41	0 33	8 13	1 3	22 7	0 40	13 28	0 47	2 13	2 2	32 0	12 27	18 9	18 6	16 5		n.a.
S 22	19 17	13 41	5 10	19 59	1 8	9 20	1 33	8 57	0 33	8 18	1 3	22 8	0 40	13 27	0 47	2 13	2 2	31 59	12 27	18 8	18 6	16 6		n.a.
M23	19 31	9 52	5 18	20 28	1 14	9 48	1 32	9 14	0 32	8 22	1 4	22 9	0 40	13 27	0 47	2 12	2 2	31 59	12 26	18 8	18 5	16 8		n.a.
T 24	19 46	5 28	5 10	20 56	1 19	10 16	1 30	9 30	0 32	8 27	1 4	22 10	0 40	13 27	0 47	2 12	2 2	31 58	12 26	18 8	18 4	16 9		n.a.
W25	20 0	0 40	4 44	21 23	1 24	10 44	1 29	9 46	0 31	8 31	1 4	22 11	0 39	13 27	0 47	2 12	2 2	31 58	12 26	18 8	18 3	16 10		n.a.
T 26	20 14	4n20	4 0	21 49	1 29	11 11	1 27	10 2	0 31	8 36	1 4	22 12	0 39	13 26	0 47	2 11	2 2	31 57	12 26	18 9	18 2	16 11		n.a.
F 27	20 27	9 13	3 0	22 14	1 33	11 39	1 25	10 18	0 30	8 40	1 4	22 12	0 39	13 26	0 47	2 11	2 2	31 57	12 25	18 9	18 1	16 13		n.a.
S 28	20 40	13 40	1 47	22 38	1 37	12 6	1 24	10 33	0 29	8 44	1 4	22 13	0 39	13 26	0 46	2 11	2 2	31 56	12 25	18 9	18 0	16 14		n.a.
S 29	20 52	17 17	0 25	23 1	1 41	12 32	1 22	10 49	0 29	8 49	1 4	22 14	0 39	13 25	0 46	2 10	2 2	31 56	12 25	18 9	18 0	16 15		n.a.
M30	21s 4	19n44	0s59	23s22	1s45	12s59	1n20	11s 5	0n28	8s53	1n 4	22s15	0n39	13s25	0s46	2n10	2s 2	31s56	12s25	18s 9	17s59	16s16		n.a.

Julian Day Number = 1565765.5, Delta T = 04h21m05s
Ecliptic obliquity = 23°44'43, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'28, Lahiri = - 9°50'28 Julian Calendar 1 Nov. 427 BCE == Greg. Calendar 27 Oct. 427 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 427 BCE
geocentric

DECEMBER 427 BCE (-426) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 16 39	4♐15'52	16♊24	7♐56	8♏54	0♏26	25♎24	15♐11	26♒57	10°R 2	2♒24	20°R41	20♏ 0	11♏55	n.a.	T 1
W 2	4 20 36	5°17'07	1♋15	9°34	10° 9	1° 9	25°36	15°18	26°58	10♈ 1	2°25	20♏39	19°56	12° 2	n.a.	W 2
T 3	4 24 32	6°18'22	15°44	11°12	11°24	1°51	25°48	15°25	26°59	10° 0	2°26	20°37	19°53	12° 9	n.a.	T 3
F 4	4 28 29	7°19'37	29°47	12°51	12°39	2°34	25°59	15°32	27° 0	10° 0	2°27	20°35	19°50	12°15	n.a.	F 4
S 5	4 32 25	8°20'52	13♌22	14°29	13°54	3°16	26°11	15°39	27° 1	9°59	2°28	20°33	19°47	12°22	n.a.	S 5
S 6	4 36 22	9°22'07	26°29	16° 8	15° 9	3°59	26°22	15°46	27° 3	9°58	2°29	20°31	19°44	12°29	n.a.	S 6
M 7	4 40 18	10°23'22	9♍12	17°48	16°24	4°42	26°34	15°53	27° 4	9°58	2°31	20°D31	19°41	12°35	n.a.	M 7
T 8	4 44 15	11°24'37	21°35	19°27	17°39	5°24	26°45	16° 0	27° 5	9°57	2°32	20°31	19°37	12°42	n.a.	T 8
W 9	4 48 11	12°25'51	3♎41	21° 7	18°54	6° 7	26°56	16° 7	27° 7	9°56	2°33	20°32	19°34	12°49	n.a.	W 9
T 10	4 52 8	13°27'06	15°36	22°47	20° 9	6°50	27° 8	16°14	27° 8	9°56	2°34	20°34	19°31	12°55	n.a.	T 10
F 11	4 56 5	14°28'20	27°25	24°27	21°24	7°32	27°19	16°21	27° 9	9°55	2°35	20°36	19°28	13° 2	n.a.	F 11
S 12	5 0 1	15°29'34	9♏11	26° 8	22°39	8°15	27°30	16°29	27°11	9°55	2°36	20°37	19°25	13° 8	n.a.	S 12
S 13	5 3 58	16°30'47	20°58	27°48	23°54	8°58	27°41	16°36	27°13	9°54	2°38	20°R38	19°21	13°15	n.a.	S 13
M14	5 7 54	17°32'00	2♐50	29°28	25° 9	9°41	27°52	16°43	27°14	9°54	2°39	20°37	19°18	13°22	n.a.	M14
T 15	5 11 51	18°33'13	14°48	1♑ 8	26°24	10°24	28° 2	16°50	27°16	9°53	2°40	20°35	19°15	13°28	n.a.	T 15
W16	5 15 47	19°34'25	26°56	2°47	27°39	11° 7	28°13	16°57	27°17	9°53	2°41	20°31	19°12	13°35	n.a.	W16
T 17	5 19 44	20°35'36	9♑13	4°26	28°54	11°49	28°24	17° 4	27°19	9°53	2°43	20°26	19° 9	13°42	n.a.	T 17
F 18	5 23 41	21°36'47	21°41	6° 3	0♐ 9	12°32	28°34	17°11	27°21	9°52	2°44	20°21	19° 6	13°48	n.a.	F 18
S 19	5 27 37	22°37'56	4♒21	7°40	1°24	13°15	28°44	17°18	27°23	9°52	2°45	20°15	19° 2	13°55	n.a.	S 19
S 20	5 31 34	23°39'04	17°15	9°15	2°39	13°58	28°55	17°25	27°25	9°52	2°47	20°10	18°59	14° 2	n.a.	S 20
M21	5 35 30	24°40'12	0♓22	10°49	3°54	14°42	29° 5	17°32	27°27	9°52	2°48	20° 6	18°56	14° 8	n.a.	M21
T 22	5 39 27	25°41'18	13°45	12°20	5° 9	15°25	29°15	17°39	27°29	9°51	2°49	20° 4	18°53	14°15	n.a.	T 22
W23	5 43 23	26°42'22	27°24	13°49	6°24	16° 8	29°25	17°46	27°31	9°51	2°51	20°D 3	18°50	14°22	n.a.	W23
T 24	5 47 20	27°43'26	11♈20	15°15	7°39	16°51	29°35	17°53	27°33	9°51	2°52	20° 4	18°47	14°28	n.a.	T 24
F 25	5 51 16	28°44'28	25°33	16°37	8°54	17°34	29°45	18° 0	27°35	9°51	2°53	20° 5	18°43	14°35	n.a.	F 25
S 26	5 55 13	29°45'29	10♉ 2	17°54	10° 9	18°17	29°54	18° 7	27°37	9°D51	2°55	20° 6	18°40	14°41	n.a.	S 26
S 27	5 59 10	0♑46'29	24°44	19° 6	11°24	19° 0	0♏ 4	18°14	27°39	9°51	2°56	20°R 7	18°37	14°48	n.a.	S 27
M28	6 3 6	1°47'27	9♊33	20°13	12°39	19°44	0°13	18°21	27°41	9°51	2°58	20° 5	18°34	14°55	n.a.	M28
T 29	6 7 3	2°48'24	24°22	21°12	13°54	20°27	0°23	18°28	27°44	9°51	2°59	20° 1	18°31	15° 1	n.a.	T 29
W30	6 10 59	3°49'20	9♋ 4	22° 4	15° 9	21°10	0°32	18°35	27°46	9°51	3° 1	19°56	18°27	15° 8	n.a.	W30
T 31	6 14 56	4♑50'15	23♋32	22♑48	16♐24	21♏54	0♏41	18♐42	27♒48	9♈52	3♒ 2	19♏49	18♏24	15♏15	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	21s16	20n45	2s18	23s42	1s49	13s25	1n18	11s20	0n28	8s57	1n 4	22s16	0n39	13s25	0s46	2n10	2s 2	31s55	12s24	18s 9	17s58	16s18			n.a.
W 2	21 27	20 18	3 27	24 1	1 52	13 51	1 16	11 36	0 27	9 2	1 4	22 17	0 39	13 24	0 46	2 9	2 2	31 55	12 24	18 9	17 57	16 19			n.a.
T 3	21 38	18 30	4 20	24 18	1 55	14 16	1 14	11 51	0 27	9 6	1 4	22 18	0 39	13 24	0 46	2 9	2 2	31 54	12 24	18 8	17 56	16 20			n.a.
F 4	21 49	15 38	4 56	24 34	1 58	14 41	1 12	12 7	0 26	9 10	1 4	22 18	0 39	13 23	0 46	2 9	2 1	31 54	12 24	18 7	17 55	16 21			n.a.
S 5	21 59	12 0	5 14	24 49	2 0	15 6	1 10	12 22	0 25	9 14	1 4	22 19	0 39	13 23	0 46	2 9	2 1	31 53	12 24	18 7	17 54	16 23			n.a.
S 6	22 8	7 55	5 15	25 2	2 2	15 30	1 8	12 37	0 25	9 19	1 4	22 20	0 39	13 23	0 46	2 9	2 1	31 53	12 23	18 6	17 54	16 24			n.a.
M 7	22 17	3 35	5 0	25 13	2 3	15 54	1 6	12 52	0 24	9 23	1 4	22 21	0 38	13 22	0 46	2 8	2 1	31 52	12 23	18 6	17 53	16 25			n.a.
T 8	22 26	0s46	4 31	25 23	2 4	16 18	1 3	13 7	0 23	9 27	1 4	22 22	0 38	13 22	0 46	2 8	2 1	31 52	12 23	18 6	17 52	16 26			n.a.
W 9	22 34	5 1	3 51	25 31	2 5	16 41	1 1	13 22	0 23	9 31	1 4	22 23	0 38	13 21	0 46	2 8	2 1	31 51	12 23	18 7	17 51	16 28			n.a.
T 10	22 42	9 0	3 2	25 38	2 5	17 4	0 59	13 37	0 22	9 35	1 4	22 23	0 38	13 21	0 46	2 8	2 1	31 51	12 23	18 7	17 50	16 29			n.a.
F 11	22 50	12 37	2 5	25 43	2 5	17 26	0 57	13 52	0 22	9 39	1 4	22 24	0 38	13 20	0 46	2 8	2 1	31 50	12 22	18 8	17 49	16 30			n.a.
S 12	22 57	15 44	1 3	25 45	2 4	17 48	0 54	14 6	0 21	9 43	1 5	22 25	0 38	13 19	0 46	2 7	2 1	31 50	12 22	18 8	17 48	16 31			n.a.
S 13	23 3	18 12	0n 2	25 47	2 3	18 9	0 52	14 21	0 20	9 47	1 5	22 26	0 38	13 19	0 46	2 7	2 1	31 49	12 22	18 8	17 47	16 32			n.a.
M14	23 9	19 54	1 7	25 46	2 1	18 30	0 49	14 35	0 20	9 50	1 5	22 27	0 38	13 18	0 46	2 7	2 1	31 49	12 22	18 8	17 47	16 34			n.a.
T 15	23 15	20 44	2 9	25 43	1 59	18 50	0 47	14 50	0 19	9 54	1 5	22 27	0 38	13 18	0 46	2 7	2 1	31 48	12 22	18 7	17 46	16 35			n.a.
W16	23 20	20 36	3 6	25 38	1 55	19 10	0 45	15 4	0 18	9 58	1 5	22 28	0 38	13 17	0 46	2 7	2 1	31 48	12 22	18 6	17 45	16 36			n.a.
T 17	23 24	19 30	3 56	25 32	1 52	19 29	0 42	15 18	0 18	10 2	1 5	22 29	0 38	13 16	0 46	2 7	2 1	31 47	12 21	18 5	17 44	16 37			n.a.
F 18	23 29	17 27	4 34	25 23	1 47	19 48	0 40	15 32	0 17	10 5	1 5	22 30	0 38	13 16	0 46	2 7	2 1	31 47	12 21	18 4	17 43	16 38			n.a.
S 19	23 32	14 33	5 0	25 13	1 42	20 6	0 37	15 46	0 16	10 9	1 5	22 30	0 38	13 15	0 46	2 7	2 0	31 47	12 21	18 2	17 42	16 39			n.a.
S 20	23 35	10 55	5 12	25 0	1 36	20 23	0 35	15 59	0 16	10 13	1 5	22 31	0 38	13 14	0 46	2 7	2 0	31 46	12 21	18 1	17 41	16 41			n.a.
M21	23 38	6 42	5 7	24 46	1 29	20 40	0 32	16 13	0 15	10 16	1 5	22 32	0 37	13 14	0 46	2 7	2 0	31 46	12 21	18 0	17 40	16 42			n.a.
T 22	23 40	2 5	4 46	24 30	1 21	20 57	0 30	16 26	0 14	10 20	1 5	22 33	0 37	13 13	0 46	2 7	2 0	31 45	12 21	17 59	17 40	16 43			n.a.
W23	23 42	2n45	4 9	24 13	1 12	21 13	0 27	16 40	0 14	10 23	1 5	22 33	0 37	13 12	0 46	2 7	2 0	31 45	12 20	17 59	17 39	16 44			n.a.
T 24	23 43	7 32	3 16	23 54	1 2	21 28	0 25	16 53	0 13	10 27	1 5	22 34	0 37	13 11	0 46	2 7	2 0	31 44	12 20	17 59	17 38	16 45			n.a.
F 25	23 44	12 1	2 10	23 33	0 52	21 42	0 22	17 6	0 12	10 30	1 6	22 35	0 37	13 11	0 46	2 7	2 0	31 44	12 20	17 59	17 37	16 46			n.a.
S 26	23 45	15 52	0 55	23 12	0 40	21 56	0 19	17 19	0 11	10 33	1 6	22 35	0 37	13 10	0 45	2 7	2 0	31 43	12 20	18 0	17 36	16 48			n.a.
S 27	23 45	18 47	0s25	22 49	0 28	22 9	0 17	17 31	0 11	10 37	1 6	22 36	0 37	13 9	0 45	2 7	2 0	31 43	12 20	18 0	17 35	16 49			n.a.
M28	23 44	20 27	1 44	22 26	0 14	22 22	0 14	17 44	0 10	10 40	1 6	22 37	0 37	13 8	0 45	2 7	2 0	31 42	12 20	17 59	17 34	16 50			n.a.
T 29	23 43	20 42	2 55	22 3	0n 0	22 34	0 12	17 56	0 9	10 43	1 6	22 37	0 37	13 7	0 45	2 7	2 0	31 42	12 20	17 58	17 33	16 51			n.a.
W30	23 41	19 32	3 54	21 39	0 16	22 45	0 9	18 9	0 9	10 46	1 6	22 38	0 37	13 7	0 45	2 7	2 0	31 41	12 20	17 57	17 32	16 52			n.a.
T 31	23s39	17n 7	4s37	21s16	0n32	22s56	0n 7	18s21	0n 8	10s49	1n 6	22s39	0n37	13s 6	0s45	2n 7	2s 0	31s41	12s19	17s55	17s32	16s53			n.a.

Julian Day Number = 1565795.5, Delta T = 04h21m04s
Ecliptic obliquity = 23°44'42, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'24, Lahiri = - 9°50'23 Julian Calendar 1 Dec. 427 BCE == Greg. Calendar 26 Nov. 427 BCE

The year -426 astronomical counting style corresponds to year 427 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

JANUARY 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 18 52	5♑51'09	7♌37	23♑23	17♐38	22♏37	0♏50	18♐49	27♒51	9♈52	3♒ 4	19°R41	18♏21	15♏21	n.a.	F 1
S 2	6 22 49	6°52'01	21°18	23°48	18°53	23°21	0°59	18°56	27°53	9°52	3° 5	19♏33	18°18	15°28	n.a.	S 2
S 3	6 26 45	7°52'52	4♍32	24° 3	20° 8	24° 4	1° 7	19° 3	27°55	9°52	3° 7	19°27	18°15	15°35	n.a.	S 3
M 4	6 30 42	8°53'42	17°21	24°R 7	21°23	24°47	1°16	19° 9	27°58	9°53	3° 8	19°22	18°12	15°41	n.a.	M 4
T 5	6 34 39	9°54'31	29°47	23°59	22°38	25°31	1°25	19°16	28° 0	9°53	3°10	19°20	18° 8	15°48	n.a.	T 5
W 6	6 38 35	10°55'19	11♎56	23°41	23°53	26°15	1°33	19°23	28° 3	9°53	3°11	19°D19	18° 5	15°55	n.a.	W 6
T 7	6 42 32	11°56'06	23°52	23°12	25° 8	26°58	1°41	19°30	28° 6	9°54	3°13	19°20	18° 2	16° 1	n.a.	T 7
F 8	6 46 28	12°56'51	5♏40	22°34	26°23	27°42	1°49	19°36	28° 8	9°54	3°14	19°21	17°59	16° 8	n.a.	F 8
S 9	6 50 25	13°57'36	17°26	21°46	27°38	28°25	1°57	19°43	28°11	9°54	3°16	19°R22	17°56	16°15	n.a.	S 9
S 10	6 54 21	14°58'19	29°16	20°50	28°53	29° 9	2° 5	19°50	28°13	9°55	3°18	19°21	17°52	16°21	n.a.	S 10
M11	6 58 18	15°59'01	11♐12	19°49	0♑ 8	29°53	2°13	19°56	28°16	9°55	3°19	19°18	17°49	16°28	n.a.	M11
T 12	7 2 14	16°59'41	23°19	18°42	1°23	0♐36	2°20	20° 3	28°19	9°56	3°21	19°13	17°46	16°34	n.a.	T 12
W13	7 6 11	18° 0'20	5♑38	17°34	2°37	1°20	2°28	20°10	28°22	9°57	3°22	19° 6	17°43	16°41	n.a.	W13
T 14	7 10 8	19° 0'57	18°12	16°24	3°52	2° 4	2°35	20°16	28°24	9°57	3°24	18°56	17°40	16°48	n.a.	T 14
F 15	7 14 4	20° 1'33	1♒ 0	15°16	5° 7	2°48	2°42	20°23	28°27	9°58	3°26	18°44	17°37	16°54	n.a.	F 15
S 16	7 18 1	21° 2'07	14° 2	14°10	6°22	3°32	2°49	20°29	28°30	9°59	3°27	18°33	17°33	17° 1	n.a.	S 16
S 17	7 21 57	22° 2'39	27°16	13° 9	7°37	4°15	2°56	20°35	28°33	9°59	3°29	18°22	17°30	17° 8	n.a.	S 17
M18	7 25 54	23° 3'09	10♓42	12°13	8°52	4°59	3° 3	20°42	28°36	10° 0	3°30	18°14	17°27	17°14	n.a.	M18
T 19	7 29 50	24° 3'37	24°18	11°23	10° 6	5°43	3° 9	20°48	28°39	10° 1	3°32	18° 7	17°24	17°21	n.a.	T 19
W20	7 33 47	25° 4'03	8♈ 4	10°39	11°21	6°27	3°16	20°54	28°42	10° 2	3°34	18° 4	17°21	17°28	n.a.	W20
T 21	7 37 43	26° 4'27	21°58	10° 4	12°36	7°11	3°22	21° 1	28°45	10° 3	3°35	18°D 3	17°18	17°34	n.a.	T 21
F 22	7 41 40	27° 4'49	6♉ 0	9°35	13°51	7°55	3°28	21° 7	28°48	10° 4	3°37	18° 3	17°14	17°41	n.a.	F 22
S 23	7 45 37	28° 5'08	20°11	9°14	15° 6	8°39	3°34	21°13	28°51	10° 4	3°39	18°R 3	17°11	17°48	n.a.	S 23
S 24	7 49 33	29° 5'26	4♊29	9° 0	16°20	9°23	3°40	21°19	28°54	10° 5	3°40	18° 2	17° 8	17°54	n.a.	S 24
M25	7 53 30	0♒ 5'42	18°51	8°D54	17°35	10° 7	3°46	21°25	28°57	10° 6	3°42	17°59	17° 5	18° 1	n.a.	M25
T 26	7 57 26	1° 5'55	3♋14	8°54	18°50	10°51	3°51	21°31	29° 0	10° 7	3°44	17°53	17° 2	18° 8	n.a.	T 26
W27	8 1 23	2° 6'06	17°33	9° 0	20° 5	11°35	3°57	21°37	29° 3	10° 9	3°45	17°44	16°58	18°14	n.a.	W27
T 28	8 5 19	3° 6'16	1♌42	9°13	21°19	12°19	4° 2	21°43	29° 6	10°10	3°47	17°33	16°55	18°21	n.a.	T 28
F 29	8 9 16	4° 6'23	15°35	9°31	22°34	13° 3	4° 7	21°49	29°10	10°11	3°49	17°21	16°52	18°27	n.a.	F 29
S 30	8 13 12	5° 6'28	29° 8	9°55	23°49	13°47	4°12	21°55	29°13	10°12	3°50	17° 8	16°49	18°34	n.a.	S 30
S 31	8 17 9	6♒ 6'32	12♍19	10♑24	25♑ 3	14♐32	4♏16	22♐ 0	29♒16	10♈13	3♒52	16♏58	16♏46	18♏41	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s37	13n44	5s 2	20s54	0n48	23s 6	0n 4	18s33	0n 7	10s53	1n 6	22s39	0n37	13s 5	0s45	2n 8	2s 0	31s40	12s19	17s53	17s31	16s54		n.a.
S 2	23 34	9 43	5 8	20 32	1 6	23 15	0 1	18 45	0 6	10 56	1 6	22 40	0 37	13 4	0 45	2 8	2 0	31 40	12 19	17 51	17 30	16 55		n.a.
S 3	23 30	5 21	4 58	20 12	1 23	23 23	0s 1	18 56	0 6	10 59	1 6	22 41	0 37	13 3	0 45	2 8	1 59	31 39	12 19	17 49	17 29	16 57		n.a.
M 4	23 27	0 53	4 33	19 54	1 41	23 31	0 4	19 8	0 5	11 1	1 7	22 41	0 37	13 2	0 45	2 8	1 59	31 39	12 19	17 48	17 28	16 58		n.a.
T 5	23 22	3s30	3 55	19 38	1 59	23 38	0 6	19 19	0 4	11 4	1 7	22 42	0 37	13 1	0 45	2 8	1 59	31 38	12 19	17 47	17 27	16 59		n.a.
W 6	23 17	7 39	3 8	19 24	2 17	23 45	0 9	19 30	0 3	11 7	1 7	22 42	0 37	13 0	0 45	2 8	1 59	31 38	12 19	17 47	17 26	17 0		n.a.
T 7	23 12	11 26	2 13	19 12	2 33	23 50	0 11	19 41	0 2	11 10	1 7	22 43	0 36	13 0	0 45	2 9	1 59	31 37	12 19	17 47	17 25	17 1		n.a.
F 8	23 6	14 44	1 13	19 3	2 49	23 55	0 14	19 52	0 2	11 13	1 7	22 44	0 36	12 59	0 45	2 9	1 59	31 37	12 19	17 47	17 24	17 2		n.a.
S 9	23 0	17 25	0 10	18 56	3 3	23 59	0 16	20 3	0 1	11 15	1 7	22 44	0 36	12 58	0 45	2 9	1 59	31 37	12 19	17 48	17 23	17 3		n.a.
S 10	22 54	19 23	0n53	18 52	3 16	24 3	0 18	20 13	0 0	11 18	1 7	22 45	0 36	12 57	0 45	2 9	1 59	31 36	12 19	17 47	17 23	17 4		n.a.
M11	22 46	20 31	1 55	18 51	3 27	24 6	0 21	20 24	0s 1	11 21	1 7	22 45	0 36	12 56	0 45	2 10	1 59	31 36	12 19	17 47	17 22	17 5		n.a.
T 12	22 39	20 43	2 52	18 51	3 36	24 8	0 23	20 34	0 2	11 23	1 8	22 46	0 36	12 55	0 45	2 10	1 59	31 35	12 19	17 45	17 21	17 6		n.a.
W13	22 31	19 56	3 42	18 54	3 42	24 9	0 26	20 44	0 2	11 26	1 8	22 46	0 36	12 54	0 45	2 10	1 59	31 35	12 19	17 43	17 20	17 8		n.a.
T 14	22 23	18 10	4 22	18 58	3 47	24 9	0 28	20 53	0 3	11 28	1 8	22 47	0 36	12 53	0 45	2 11	1 59	31 34	12 18	17 40	17 19	17 9		n.a.
F 15	22 14	15 29	4 49	19 5	3 48	24 9	0 30	21 3	0 4	11 30	1 8	22 47	0 36	12 52	0 45	2 11	1 59	31 34	12 18	17 37	17 18	17 10		n.a.
S 16	22 5	12 0	5 3	19 12	3 48	24 8	0 33	21 12	0 5	11 33	1 8	22 48	0 36	12 51	0 45	2 11	1 59	31 33	12 18	17 34	17 17	17 11		n.a.
S 17	21 55	7 53	5 0	19 21	3 45	24 6	0 35	21 22	0 6	11 35	1 8	22 48	0 36	12 50	0 45	2 12	1 59	31 33	12 18	17 31	17 16	17 12		n.a.
M18	21 45	3 19	4 41	19 31	3 41	24 4	0 37	21 30	0 6	11 37	1 8	22 49	0 36	12 49	0 45	2 12	1 58	31 33	12 18	17 29	17 15	17 13		n.a.
T 19	21 34	1n28	4 6	19 41	3 35	24 0	0 39	21 39	0 7	11 39	1 8	22 49	0 36	12 48	0 45	2 12	1 58	31 32	12 18	17 27	17 14	17 14		n.a.
W20	21 23	6 14	3 16	19 52	3 27	23 56	0 41	21 48	0 8	11 41	1 9	22 50	0 36	12 46	0 45	2 13	1 58	31 32	12 18	17 26	17 14	17 15		n.a.
T 21	21 12	10 44	2 14	20 4	3 18	23 52	0 43	21 56	0 9	11 43	1 9	22 50	0 36	12 45	0 45	2 13	1 58	31 31	12 18	17 25	17 13	17 16		n.a.
F 22	21 1	14 42	1 4	20 16	3 8	23 46	0 45	22 4	0 10	11 45	1 9	22 51	0 36	12 44	0 45	2 14	1 58	31 31	12 18	17 25	17 12	17 17		n.a.
S 23	20 49	17 50	0s11	20 28	2 57	23 40	0 47	22 12	0 11	11 47	1 9	22 51	0 36	12 43	0 45	2 14	1 58	31 30	12 18	17 26	17 11	17 18		n.a.
S 24	20 36	19 54	1 26	20 41	2 46	23 33	0 49	22 20	0 12	11 49	1 9	22 52	0 36	12 42	0 45	2 14	1 58	31 30	12 18	17 25	17 10	17 19		n.a.
M25	20 23	20 41	2 36	20 53	2 34	23 25	0 51	22 27	0 12	11 51	1 9	22 52	0 36	12 41	0 45	2 15	1 58	31 30	12 18	17 24	17 9	17 20		n.a.
T 26	20 10	20 7	3 35	21 5	2 22	23 17	0 53	22 35	0 13	11 53	1 9	22 53	0 36	12 40	0 45	2 15	1 58	31 29	12 18	17 23	17 8	17 21		n.a.
W27	19 57	18 16	4 21	21 17	2 9	23 8	0 55	22 42	0 14	11 54	1 9	22 53	0 36	12 39	0 45	2 16	1 58	31 29	12 18	17 20	17 7	17 22		n.a.
T 28	19 43	15 19	4 50	21 29	1 57	22 58	0 57	22 49	0 15	11 56	1 10	22 53	0 36	12 38	0 45	2 16	1 58	31 28	12 18	17 17	17 6	17 23		n.a.
F 29	19 29	11 35	5 1	21 40	1 44	22 48	0 59	22 55	0 16	11 58	1 10	22 54	0 36	12 37	0 45	2 17	1 58	31 28	12 18	17 14	17 5	17 24		n.a.
S 30	19 14	7 19	4 55	21 51	1 31	22 36	1 0	23 2	0 17	11 59	1 10	22 54	0 35	12 35	0 45	2 17	1 58	31 28	12 19	17 10	17 4	17 25		n.a.
S 31	18s59	2n50	4s33	22s 1	1n19	22s25	1s 2	23s 8	0s18	12s 0	1n10	22s55	0n35	12s34	0s45	2n18	1s58	31s27	12s19	17s 7	17s 4	17s26		n.a.

Julian Day Number = 1565826.5, Delta T = 04h21m03s
Ecliptic obliquity = 23°44'42, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'20, Lahiri = - 9°50'19 Julian Calendar 1 Jan. 426 BCE == Greg. Calendar 27 Dec. 427 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

FEBRUARY 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 21 6	7♒ 6'33	25♍ 8	10♉57	26♉18	15♐16	4♏21	22♐ 6	29♒19	10♈14	3♒54	16°R49	16♏43	18♏47	n.a.	M 1
T 2	8 25 2	8° 6'33	7♎36	11°35	27°33	16° 0	4°25	22°12	29°22	10°15	3°55	16♏43	16°39	18°54	n.a.	T 2
W 3	8 28 59	9° 6'31	19°47	12°17	28°47	16°44	4°29	22°17	29°26	10°17	3°57	16°40	16°36	19° 1	n.a.	W 3
T 4	8 32 55	10° 6'27	1♏44	13° 3	0♒ 2	17°29	4°33	22°23	29°29	10°18	3°59	16°38	16°33	19° 7	n.a.	T 4
F 5	8 36 52	11° 6'22	13°34	13°52	1°17	18°13	4°37	22°28	29°32	10°19	4° 0	16°38	16°30	19°14	n.a.	F 5
S 6	8 40 48	12° 6'15	25°21	14°44	2°31	18°57	4°41	22°34	29°35	10°21	4° 2	16°38	16°27	19°21	n.a.	S 6
S 7	8 44 45	13° 6'06	7♐12	15°40	3°46	19°41	4°44	22°39	29°39	10°22	4° 3	16°37	16°24	19°27	n.a.	S 7
M 8	8 48 41	14° 5'55	19°12	16°38	5° 0	20°26	4°47	22°45	29°42	10°23	4° 5	16°34	16°20	19°34	n.a.	M 8
T 9	8 52 38	15° 5'42	1♑24	17°39	6°15	21°10	4°51	22°50	29°45	10°25	4° 7	16°28	16°17	19°41	n.a.	T 9
W10	8 56 35	16° 5'28	13°53	18°43	7°30	21°55	4°54	22°55	29°49	10°26	4° 8	16°19	16°14	19°47	n.a.	W10
T 11	9 0 31	17° 5'11	26°41	19°49	8°44	22°39	4°56	23° 0	29°52	10°28	4°10	16° 8	16°11	19°54	n.a.	T 11
F 12	9 4 28	18° 4'52	9♒47	20°57	9°59	23°23	4°59	23° 5	29°55	10°29	4°12	15°55	16° 8	20° 0	n.a.	F 12
S 13	9 8 24	19° 4'32	23°11	22° 7	11°13	24° 8	5° 1	23°10	29°59	10°31	4°13	15°42	16° 4	20° 7	n.a.	S 13
S 14	9 12 21	20° 4'09	6♓51	23°20	12°28	24°52	5° 3	23°15	0♓ 2	10°32	4°15	15°29	16° 1	20°14	n.a.	S 14
M15	9 16 17	21° 3'43	20°42	24°34	13°42	25°37	5° 5	23°20	0° 6	10°34	4°16	15°19	15°58	20°20	n.a.	M15
T 16	9 20 14	22° 3'16	4♈42	25°50	14°57	26°21	5° 7	23°25	0° 9	10°36	4°18	15°12	15°55	20°27	n.a.	T 16
W17	9 24 10	23° 2'46	18°46	27° 8	16°11	27° 6	5° 9	23°29	0°12	10°37	4°20	15° 7	15°52	20°34	n.a.	W17
T 18	9 28 7	24° 2'14	2♉52	28°28	17°26	27°50	5°10	23°34	0°16	10°39	4°21	15° 5	15°49	20°40	n.a.	T 18
F 19	9 32 3	25° 1'39	16°59	29°50	18°40	28°35	5°12	23°38	0°19	10°41	4°23	15° 5	15°45	20°47	n.a.	F 19
S 20	9 36 0	26° 1'02	1♊ 5	1♒13	19°55	29°19	5°13	23°43	0°23	10°42	4°24	15° 5	15°42	20°54	n.a.	S 20
S 21	9 39 57	27° 0'23	15° 9	2°37	21° 9	0♉ 4	5°14	23°47	0°26	10°44	4°26	15° 4	15°39	21° 0	n.a.	S 21
M22	9 43 53	27°59'41	29°11	4° 3	22°23	0°48	5°14	23°52	0°29	10°46	4°27	15° 1	15°36	21° 7	n.a.	M22
T 23	9 47 50	28°58'56	13♋ 9	5°31	23°38	1°33	5°15	23°56	0°33	10°48	4°29	14°55	15°33	21°14	n.a.	T 23
W24	9 51 46	29°58'09	27° 0	7° 0	24°52	2°17	5°15	24° 0	0°36	10°49	4°31	14°46	15°30	21°20	n.a.	W24
T 25	9 55 43	0♓57'20	10♌42	8°31	26° 7	3° 2	5°R15	24° 4	0°40	10°51	4°32	14°36	15°26	21°27	n.a.	T 25
F 26	9 59 39	1°56'29	24°12	10° 3	27°21	3°46	5°15	24° 8	0°43	10°53	4°34	14°24	15°23	21°34	n.a.	F 26
S 27	10 3 36	2°55'35	7♍27	11°37	28°35	4°31	5°15	24°12	0°47	10°55	4°35	14°12	15°20	21°40	n.a.	S 27
S 28	10 7 32	3♓54'39	20♍25	13♒12	29♒50	5♉15	5♏15	24♐16	0♓50	10♈57	4♒37	14♏ 1	15♏17	21♏47	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s44	1s40	3s57	22s10	1n 7	22s12	1s 4	23s14	0s19	12s 2	1n10	22s55	0n35	12s33	0s45	2n18	1s58	31s27	12s19	17s 4	17s 3	17s27		n.a.
T 2	18 28	5 59	3 11	22 19	0 55	21 59	1 5	23 19	0 20	12 3	1 10	22 55	0 35	12 32	0 45	2 19	1 58	31 26	12 19	17 3	17 2	17 28		n.a.
W 3	18 12	9 57	2 17	22 27	0 43	21 45	1 7	23 25	0 21	12 5	1 10	22 56	0 35	12 31	0 45	2 19	1 57	31 26	12 19	17 2	17 1	17 29		n.a.
T 4	17 56	13 27	1 18	22 34	0 32	21 31	1 8	23 30	0 22	12 6	1 11	22 56	0 35	12 30	0 45	2 20	1 57	31 26	12 19	17 1	17 0	17 30		n.a.
F 5	17 40	16 22	0 16	22 40	0 21	21 16	1 10	23 35	0 22	12 7	1 11	22 56	0 35	12 28	0 45	2 21	1 57	31 25	12 19	17 1	16 59	17 31		n.a.
S 6	17 23	18 36	0n46	22 45	0 10	21 0	1 11	23 40	0 23	12 8	1 11	22 57	0 35	12 27	0 45	2 21	1 57	31 25	12 19	17 1	16 58	17 32		n.a.
S 7	17 6	20 2	1 47	22 49	0s 1	20 44	1 12	23 45	0 24	12 9	1 11	22 57	0 35	12 26	0 45	2 22	1 57	31 25	12 19	17 1	16 57	17 33		n.a.
M 8	16 48	20 35	2 43	22 52	0 11	20 27	1 13	23 49	0 25	12 10	1 11	22 57	0 35	12 25	0 45	2 22	1 57	31 24	12 19	17 0	16 56	17 34		n.a.
T 9	16 31	20 11	3 33	22 54	0 21	20 9	1 15	23 53	0 26	12 11	1 11	22 58	0 35	12 24	0 44	2 23	1 57	31 24	12 19	16 58	16 55	17 35		n.a.
W10	16 13	18 48	4 14	22 55	0 30	19 51	1 16	23 57	0 27	12 12	1 11	22 58	0 35	12 22	0 44	2 24	1 57	31 24	12 19	16 56	16 54	17 36		n.a.
T 11	15 55	16 27	4 44	22 55	0 39	19 32	1 17	24 0	0 28	12 13	1 12	22 58	0 35	12 21	0 44	2 24	1 57	31 23	12 19	16 52	16 53	17 37		n.a.
F 12	15 36	13 14	4 59	22 53	0 48	19 13	1 18	24 4	0 29	12 13	1 12	22 59	0 35	12 20	0 44	2 25	1 57	31 23	12 20	16 49	16 52	17 38		n.a.
S 13	15 18	9 16	4 58	22 50	0 56	18 53	1 19	24 7	0 30	12 14	1 12	22 59	0 35	12 19	0 44	2 26	1 57	31 23	12 20	16 45	16 52	17 39		n.a.
S 14	14 59	4 47	4 40	22 45	1 4	18 33	1 20	24 10	0 31	12 15	1 12	22 59	0 35	12 18	0 44	2 26	1 57	31 22	12 20	16 41	16 51	17 40		n.a.
M15	14 40	0n 2	4 6	22 40	1 12	18 12	1 20	24 12	0 32	12 15	1 12	23 0	0 35	12 16	0 44	2 27	1 57	31 22	12 20	16 38	16 50	17 41		n.a.
T 16	14 20	4 53	3 16	22 33	1 19	17 51	1 21	24 15	0 33	12 16	1 12	23 0	0 35	12 15	0 44	2 28	1 57	31 22	12 20	16 36	16 49	17 42		n.a.
W17	14 1	9 31	2 14	22 24	1 26	17 29	1 22	24 17	0 34	12 16	1 12	23 0	0 35	12 14	0 44	2 28	1 57	31 22	12 20	16 35	16 48	17 43		n.a.
T 18	13 41	13 38	1 4	22 14	1 32	17 7	1 22	24 19	0 35	12 16	1 13	23 0	0 35	12 13	0 44	2 29	1 57	31 21	12 20	16 34	16 47	17 44		n.a.
F 19	13 21	16 58	0s10	22 3	1 38	16 44	1 23	24 20	0 36	12 17	1 13	23 1	0 35	12 12	0 44	2 30	1 57	31 21	12 20	16 34	16 46	17 45		n.a.
S 20	13 0	19 16	1 24	21 50	1 44	16 21	1 24	24 21	0 37	12 17	1 13	23 1	0 35	12 10	0 44	2 30	1 57	31 21	12 21	16 34	16 45	17 45		n.a.
S 21	12 40	20 23	2 32	21 35	1 49	15 57	1 24	24 23	0 38	12 17	1 13	23 1	0 35	12 9	0 44	2 31	1 57	31 20	12 21	16 34	16 44	17 46		n.a.
M22	12 19	20 13	3 31	21 19	1 54	15 33	1 24	24 23	0 39	12 17	1 13	23 1	0 35	12 8	0 44	2 32	1 56	31 20	12 21	16 33	16 43	17 47		n.a.
T 23	11 59	18 49	4 17	21 2	1 58	15 9	1 25	24 24	0 40	12 17	1 13	23 2	0 35	12 7	0 44	2 33	1 56	31 20	12 21	16 31	16 42	17 48		n.a.
W24	11 38	16 19	4 47	20 43	2 2	14 44	1 25	24 24	0 41	12 17	1 13	23 2	0 35	12 5	0 44	2 33	1 56	31 20	12 21	16 29	16 41	17 49		n.a.
T 25	11 16	12 57	5 1	20 22	2 5	14 18	1 25	24 24	0 42	12 17	1 14	23 2	0 35	12 4	0 44	2 34	1 56	31 20	12 21	16 25	16 40	17 50		n.a.
F 26	10 55	8 57	4 57	20 0	2 8	13 53	1 25	24 24	0 43	12 17	1 14	23 2	0 35	12 3	0 44	2 35	1 56	31 19	12 21	16 22	16 39	17 51		n.a.
S 27	10 34	4 36	4 38	19 36	2 11	13 27	1 25	24 24	0 44	12 17	1 14	23 2	0 35	12 2	0 44	2 36	1 56	31 19	12 22	16 18	16 38	17 52		n.a.
S 28	10s12	0n 7	4s 4	19s11	2s13	13s 0	1s25	24s23	0s45	12s17	1n14	23s 3	0n35	12s 1	0s44	2n36	1s56	31s19	12s22	16s15	16s38	17s53		n.a.

Julian Day Number = 1565857.5, Delta T = 04h21m01s
Ecliptic obliquity = 23°44'42, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'15, Lahiri = - 9°50'15 Julian Calendar 1 Feb. 426 BCE == Greg. Calendar 27 Jan. 426 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

MARCH 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 11 29	4♓53'41	3♎ 4	14♒48	1♓ 4	6♑ 0	5°R14	24♐20	0♓53	10♈59	4♒38	13°R52	15♏14	21♏53	n.a.	M 1
T 2	10 15 26	5°52'41	15°27	16°26	2°18	6°45	5♏13	24°24	0°57	11° 0	4°39	13♏46	15°10	22° 0	n.a.	T 2
W 3	10 19 22	6°51'39	27°36	18° 6	3°33	7°29	5°13	24°27	1° 0	11° 2	4°41	13°43	15° 7	22° 7	n.a.	W 3
T 4	10 23 19	7°50'36	9♏33	19°47	4°47	8°14	5°11	24°31	1° 4	11° 4	4°42	13°D41	15° 4	22°13	n.a.	T 4
F 5	10 27 15	8°49'30	21°23	21°29	6° 1	8°58	5°10	24°34	1° 7	11° 6	4°44	13°42	15° 1	22°20	n.a.	F 5
S 6	10 31 12	9°48'22	3♐11	23°13	7°15	9°43	5° 9	24°38	1°10	11° 8	4°45	13°42	14°58	22°27	n.a.	S 6
S 7	10 35 8	10°47'13	15° 3	24°58	8°30	10°28	5° 7	24°41	1°14	11°10	4°47	13°R42	14°55	22°33	n.a.	S 7
M 8	10 39 5	11°46'02	27° 3	26°45	9°44	11°12	5° 5	24°44	1°17	11°12	4°48	13°41	14°51	22°40	n.a.	M 8
T 9	10 43 1	12°44'49	9♑18	28°33	10°58	11°57	5° 3	24°47	1°21	11°14	4°49	13°38	14°48	22°47	n.a.	T 9
W10	10 46 58	13°43'34	21°51	0♓23	12°12	12°42	5° 1	24°50	1°24	11°16	4°51	13°32	14°45	22°53	n.a.	W10
T 11	10 50 54	14°42'17	4♒45	2°14	13°27	13°26	4°58	24°53	1°27	11°18	4°52	13°24	14°42	23° 0	n.a.	T 11
F 12	10 54 51	15°40'59	18° 2	4° 7	14°41	14°11	4°56	24°56	1°31	11°20	4°53	13°15	14°39	23° 7	n.a.	F 12
S 13	10 58 48	16°39'38	1♓42	6° 1	15°55	14°56	4°53	24°59	1°34	11°23	4°55	13° 5	14°35	23°13	n.a.	S 13
S 14	11 2 44	17°38'15	15°42	7°57	17° 9	15°40	4°50	25° 2	1°37	11°25	4°56	12°56	14°32	23°20	n.a.	S 14
M15	11 6 41	18°36'51	29°58	9°54	18°23	16°25	4°47	25° 4	1°41	11°27	4°57	12°49	14°29	23°27	n.a.	M15
T 16	11 10 37	19°35'24	14♈23	11°52	19°37	17° 9	4°43	25° 7	1°44	11°29	4°58	12°43	14°26	23°33	n.a.	T 16
W17	11 14 34	20°33'55	28°53	13°53	20°51	17°54	4°40	25° 9	1°47	11°31	5° 0	12°41	14°23	23°40	n.a.	W17
T 18	11 18 30	21°32'24	13♉21	15°54	22° 6	18°39	4°36	25°11	1°50	11°33	5° 1	12°D40	14°20	23°46	n.a.	T 18
F 19	11 22 27	22°30'51	27°44	17°57	23°20	19°23	4°32	25°14	1°54	11°35	5° 2	12°40	14°16	23°53	n.a.	F 19
S 20	11 26 23	23°29'15	11♊59	20° 1	24°34	20° 8	4°28	25°16	1°57	11°37	5° 3	12°41	14°13	24° 0	n.a.	S 20
S 21	11 30 20	24°27'38	26° 3	22° 6	25°48	20°52	4°24	25°18	2° 0	11°40	5° 5	12°R42	14°10	24° 6	n.a.	S 21
M22	11 34 17	25°25'58	9♋56	24°13	27° 2	21°37	4°20	25°20	2° 3	11°42	5° 6	12°41	14° 7	24°13	n.a.	M22
T 23	11 38 13	26°24'15	23°39	26°20	28°16	22°21	4°15	25°22	2° 7	11°44	5° 7	12°38	14° 4	24°20	n.a.	T 23
W24	11 42 10	27°22'31	7♌ 9	28°27	29°30	23° 6	4°11	25°23	2°10	11°46	5° 8	12°33	14° 1	24°26	n.a.	W24
T 25	11 46 6	28°20'44	20°27	0♈36	0♈44	23°50	4° 6	25°25	2°13	11°48	5° 9	12°27	13°57	24°33	n.a.	T 25
F 26	11 50 3	29°18'56	3♍32	2°44	1°58	24°35	4° 1	25°27	2°16	11°51	5°10	12°19	13°54	24°40	n.a.	F 26
S 27	11 53 59	0♈17'05	16°24	4°53	3°12	25°19	3°56	25°28	2°19	11°53	5°11	12°12	13°51	24°46	n.a.	S 27
S 28	11 57 56	1°15'12	29° 3	7° 1	4°26	26° 4	3°51	25°29	2°22	11°55	5°12	12° 5	13°48	24°53	n.a.	S 28
M29	12 1 52	2°13'18	11♎28	9° 9	5°40	26°48	3°45	25°31	2°25	11°57	5°13	12° 0	13°45	25° 0	n.a.	M29
T 30	12 5 49	3°11'22	23°41	11°15	6°54	27°33	3°40	25°32	2°28	11°59	5°14	11°57	13°41	25° 6	n.a.	T 30
W31	12 9 45	4♈ 9'24	5♏43	13♈21	8♈ 8	28♑17	3♏34	25♐33	2♓31	12♈ 2	5♒15	11♏55	13♏38	25♏13	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	9s50	4s16	3s18	18s44	2s14	12s34	1s25	24s22	0s46	12s16	1n14	23s 3	0n35	11s59	0s44	2n37	1s56	31s19	12s22	16s12	16s37	17s54			n.a.
T 2	9 28	8 23	2 24	18 15	2 15	12 7	1 25	24 21	0 47	12 16	1 14	23 3	0 35	11 58	0 44	2 38	1 56	31 18	12 22	16 10	16 36	17 55			n.a.
W 3	9 6	12 4	1 25	17 45	2 16	11 39	1 25	24 20	0 48	12 15	1 14	23 3	0 35	11 57	0 44	2 39	1 56	31 18	12 22	16 9	16 35	17 55			n.a.
T 4	8 44	15 12	0 22	17 13	2 16	11 12	1 25	24 18	0 49	12 15	1 14	23 3	0 35	11 56	0 44	2 40	1 56	31 18	12 23	16 9	16 34	17 56			n.a.
F 5	8 22	17 41	0n41	16 40	2 16	10 44	1 24	24 16	0 50	12 14	1 15	23 3	0 35	11 54	0 44	2 40	1 56	31 18	12 23	16 9	16 33	17 57			n.a.
S 6	7 59	19 23	1 42	16 4	2 15	10 15	1 24	24 14	0 51	12 14	1 15	23 4	0 34	11 53	0 44	2 41	1 56	31 18	12 23	16 9	16 32	17 58			n.a.
S 7	7 37	20 15	2 40	15 27	2 13	9 47	1 24	24 12	0 52	12 13	1 15	23 4	0 34	11 52	0 44	2 42	1 56	31 18	12 23	16 9	16 31	17 59			n.a.
M 8	7 14	20 12	3 30	14 49	2 12	9 18	1 23	24 9	0 53	12 12	1 15	23 4	0 34	11 51	0 44	2 43	1 56	31 17	12 23	16 9	16 30	18 0			n.a.
T 9	6 52	19 13	4 13	14 9	2 9	8 49	1 23	24 6	0 54	12 12	1 15	23 4	0 34	11 50	0 44	2 44	1 56	31 17	12 24	16 8	16 29	18 1			n.a.
W10	6 29	17 17	4 44	13 27	2 6	8 20	1 22	24 3	0 55	12 11	1 15	23 4	0 34	11 48	0 44	2 44	1 56	31 17	12 24	16 6	16 28	18 1			n.a.
T 11	6 6	14 26	5 2	12 43	2 3	7 50	1 21	23 59	0 56	12 10	1 15	23 4	0 34	11 47	0 44	2 45	1 56	31 17	12 24	16 4	16 27	18 2			n.a.
F 12	5 43	10 48	5 4	11 58	1 59	7 21	1 21	23 56	0 57	12 9	1 15	23 4	0 34	11 46	0 44	2 46	1 56	31 17	12 24	16 1	16 26	18 3			n.a.
S 13	5 20	6 30	4 50	11 11	1 54	6 51	1 20	23 52	0 58	12 8	1 16	23 5	0 34	11 45	0 44	2 47	1 56	31 17	12 25	15 58	16 25	18 4			n.a.
S 14	4 57	1 46	4 17	10 23	1 49	6 21	1 19	23 48	1 0	12 7	1 16	23 5	0 34	11 44	0 44	2 48	1 56	31 17	12 25	15 55	16 24	18 5			n.a.
M15	4 34	3n10	3 29	9 33	1 44	5 51	1 18	23 43	1 1	12 5	1 16	23 5	0 34	11 42	0 45	2 49	1 56	31 17	12 25	15 53	16 23	18 6			n.a.
T 16	4 10	7 59	2 26	8 42	1 38	5 20	1 17	23 39	1 2	12 4	1 16	23 5	0 34	11 41	0 45	2 50	1 56	31 16	12 25	15 51	16 22	18 6			n.a.
W17	3 47	12 22	1 14	7 49	1 31	4 50	1 16	23 34	1 3	12 3	1 16	23 5	0 34	11 40	0 45	2 50	1 56	31 16	12 26	15 50	16 21	18 7			n.a.
T 18	3 24	15 59	0s 4	6 55	1 24	4 19	1 15	23 29	1 4	12 2	1 16	23 5	0 34	11 39	0 45	2 51	1 56	31 16	12 26	15 50	16 20	18 8			n.a.
F 19	3 0	18 36	1 20	5 59	1 16	3 49	1 14	23 24	1 5	12 0	1 16	23 5	0 34	11 38	0 45	2 52	1 56	31 16	12 26	15 50	16 20	18 9			n.a.
S 20	2 37	20 1	2 31	5 2	1 8	3 18	1 13	23 18	1 6	11 59	1 16	23 5	0 34	11 36	0 45	2 53	1 56	31 16	12 26	15 51	16 19	18 10			n.a.
S 21	2 14	20 9	3 32	4 5	0 59	2 47	1 11	23 12	1 7	11 57	1 16	23 5	0 34	11 35	0 45	2 54	1 56	31 16	12 27	15 51	16 18	18 11			n.a.
M22	1 50	19 3	4 20	3 6	0 50	2 16	1 10	23 6	1 8	11 56	1 16	23 6	0 34	11 34	0 45	2 55	1 56	31 16	12 27	15 50	16 17	18 11			n.a.
T 23	1 27	16 51	4 52	2 6	0 41	1 45	1 9	23 0	1 9	11 54	1 16	23 6	0 34	11 33	0 45	2 56	1 56	31 16	12 27	15 50	16 16	18 12			n.a.
W24	1 3	13 46	5 7	1 6	0 31	1 14	1 7	22 54	1 10	11 52	1 17	23 6	0 34	11 32	0 45	2 57	1 56	31 16	12 27	15 48	16 15	18 13			n.a.
T 25	0 40	10 2	5 6	0 5	0 21	0 43	1 6	22 47	1 11	11 51	1 17	23 6	0 34	11 31	0 45	2 57	1 56	31 16	12 28	15 46	16 14	18 14			n.a.
F 26	0 17	5 52	4 48	0n57	0 10	0 11	1 4	22 40	1 12	11 49	1 17	23 6	0 34	11 30	0 45	2 58	1 56	31 16	12 28	15 44	16 13	18 15			n.a.
S 27	0n 7	1 30	4 16	1 58	0n 0	0n20	1 3	22 33	1 13	11 47	1 17	23 6	0 34	11 28	0 45	2 59	1 55	31 16	12 28	15 42	16 12	18 15			n.a.
S 28	0 30	2s51	3 32	2 59	0 11	0 51	1 1	22 25	1 14	11 45	1 17	23 6	0 34	11 27	0 45	3 0	1 55	31 16	12 29	15 39	16 11	18 16			n.a.
M29	0 54	7 1	2 38	4 0	0 22	1 22	0 59	22 18	1 16	11 44	1 17	23 6	0 34	11 26	0 45	3 1	1 55	31 16	12 29	15 38	16 10	18 17			n.a.
T 30	1 17	10 49	1 38	5 1	0 33	1 53	0 58	22 10	1 17	11 42	1 17	23 6	0 34	11 25	0 45	3 2	1 55	31 16	12 29	15 37	16 9	18 18			n.a.
W31	1n40	14s 8	0s34	6n 0	0n44	2n24	0s56	22s 2	1s18	11s40	1n17	23s 6	0n34	11s24	0s45	3n 3	1s55	31s16	12s29	15s36	16s 8	18s18			n.a.

Julian Day Number = 1565885.5, Delta T = 04h21m00s
Ecliptic obliquity = 23°44'43, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'12, Lahiri = - 9°50'11 Julian Calendar 1 March 426 BCE == Greg. Calendar 24 Feb. 426 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

APRIL 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 13 42	5♈ 7'24	17♏37	15♈25	9♈21	29♉ 2	3°R28	25♐34	2♓34	12♈ 4	5♒16	11°D55	13♏35	25♏20	n.a.	T 1
F 2	12 17 39	6° 5'23	29°26	17°28	10°35	29°46	3♏22	25°35	2°37	12° 6	5°17	11♏56	13°32	25°26	n.a.	F 2
S 3	12 21 35	7° 3'21	11♐14	19°28	11°49	0♒30	3°16	25°36	2°40	12° 8	5°18	11°58	13°29	25°33	n.a.	S 3
S 4	12 25 32	8° 1'17	23° 6	21°26	13° 3	1°15	3°10	25°36	2°43	12°11	5°19	11°59	13°26	25°39	n.a.	S 4
M 5	12 29 28	8°59'12	5♉ 6	23°22	14°17	1°59	3° 4	25°37	2°46	12°13	5°20	12°R 0	13°22	25°46	n.a.	M 5
T 6	12 33 25	9°57'05	17°20	25°15	15°31	2°43	2°57	25°38	2°49	12°15	5°21	12° 0	13°19	25°53	n.a.	T 6
W 7	12 37 21	10°54'57	29°52	27° 5	16°45	3°28	2°51	25°38	2°52	12°17	5°22	11°58	13°16	25°59	n.a.	W 7
T 8	12 41 18	11°52'47	12♒47	28°52	17°58	4°12	2°44	25°38	2°55	12°20	5°22	11°56	13°13	26° 6	n.a.	T 8
F 9	12 45 14	12°50'36	26° 6	0♌36	19°12	4°56	2°38	25°38	2°58	12°22	5°23	11°52	13°10	26°13	n.a.	F 9
S 10	12 49 11	13°48'24	9♓51	2°16	20°26	5°40	2°31	25°39	3° 0	12°24	5°24	11°48	13° 7	26°19	n.a.	S 10
S 11	12 53 8	14°46'10	24° 0	3°53	21°40	6°24	2°24	25°R39	3° 3	12°26	5°25	11°44	13° 3	26°26	n.a.	S 11
M12	12 57 4	15°43'55	8♈31	5°27	22°54	7° 9	2°17	25°39	3° 6	12°29	5°25	11°41	13° 0	26°33	n.a.	M12
T 13	13 1 1	16°41'39	23°16	6°57	24° 7	7°53	2°10	25°38	3° 9	12°31	5°26	11°38	12°57	26°39	n.a.	T 13
W14	13 4 57	17°39'21	8♉ 8	8°24	25°21	8°37	2° 3	25°38	3°11	12°33	5°27	11°D38	12°54	26°46	n.a.	W14
T 15	13 8 54	18°37'02	23° 0	9°46	26°35	9°21	1°56	25°38	3°14	12°35	5°28	11°38	12°51	26°53	n.a.	T 15
F 16	13 12 50	19°34'41	7♊45	11° 6	27°48	10° 5	1°48	25°37	3°17	12°38	5°28	11°39	12°47	26°59	n.a.	F 16
S 17	13 16 47	20°32'18	22°17	12°21	29° 2	10°49	1°41	25°37	3°19	12°40	5°29	11°40	12°44	27° 6	n.a.	S 17
S 18	13 20 43	21°29'54	6♋32	13°33	0♌16	11°32	1°34	25°36	3°22	12°42	5°29	11°41	12°41	27°13	n.a.	S 18
M19	13 24 40	22°27'28	20°29	14°40	1°30	12°16	1°26	25°35	3°24	12°44	5°30	11°R42	12°38	27°19	n.a.	M19
T 20	13 28 37	23°25'01	4♌ 7	15°44	2°43	13° 0	1°19	25°35	3°27	12°47	5°30	11°42	12°35	27°26	n.a.	T 20
W21	13 32 33	24°22'32	17°26	16°44	3°57	13°44	1°11	25°34	3°29	12°49	5°31	11°40	12°32	27°32	n.a.	W21
T 22	13 36 30	25°20'01	0♍28	17°39	5°11	14°28	1° 4	25°33	3°32	12°51	5°31	11°39	12°28	27°39	n.a.	T 22
F 23	13 40 26	26°17'29	13°14	18°31	6°24	15°11	0°56	25°31	3°34	12°53	5°32	11°37	12°25	27°46	n.a.	F 23
S 24	13 44 23	27°14'55	25°47	19°18	7°38	15°55	0°49	25°30	3°36	12°55	5°32	11°34	12°22	27°52	n.a.	S 24
S 25	13 48 19	28°12'21	8♎ 8	20° 1	8°51	16°38	0°41	25°29	3°39	12°58	5°33	11°33	12°19	27°59	n.a.	S 25
M26	13 52 16	29° 9'45	20°18	20°40	10° 5	17°22	0°33	25°27	3°41	13° 0	5°33	11°31	12°16	28° 6	n.a.	M26
T 27	13 56 12	0♌ 7'07	2♏20	21°15	11°18	18° 5	0°26	25°26	3°43	13° 2	5°34	11°31	12°12	28°12	n.a.	T 27
W28	14 0 9	1° 4'29	14°14	21°44	12°32	18°49	0°18	25°24	3°45	13° 4	5°34	11°D30	12° 9	28°19	n.a.	W28
T 29	14 4 5	2° 1'50	26° 4	22°10	13°46	19°32	0°11	25°23	3°47	13° 6	5°34	11°31	12° 6	28°26	n.a.	T 29
F 30	14 8 2	2♌59'10	7♐52	22♌30	14♌59	20♒15	0♏ 3	25♐21	3♓50	13♈ 8	5♒35	11♏31	12♏ 3	28♏32	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n 4	16s48	0n31	6n59	0n54	2n55	0s54	21s54	1s19	11s38	1n17	23s 6	0n34	11s23	0s45	3n 4	1s55	31s16	12s30	15s36	16s 7	18s19		n.a.
F 2	2 27	18 45	1 34	7 56	1 5	3 27	0 52	21 46	1 20	11 36	1 17	23 6	0 34	11 22	0 45	3 4	1 55	31 16	12 30	15 37	16 6	18 20		n.a.
S 3	2 50	19 53	2 34	8 52	1 15	3 57	0 51	21 37	1 21	11 33	1 17	23 6	0 34	11 21	0 45	3 5	1 55	31 16	12 30	15 37	16 5	18 21		n.a.
S 4	3 13	20 8	3 26	9 46	1 25	4 28	0 49	21 28	1 22	11 31	1 17	23 6	0 34	11 20	0 45	3 6	1 55	31 16	12 31	15 38	16 4	18 21		n.a.
M 5	3 36	19 28	4 11	10 39	1 34	4 59	0 47	21 19	1 23	11 29	1 17	23 7	0 34	11 19	0 45	3 7	1 55	31 16	12 31	15 38	16 3	18 22		n.a.
T 6	3 59	17 54	4 45	11 29	1 43	5 30	0 45	21 10	1 24	11 27	1 17	23 7	0 34	11 18	0 45	3 8	1 55	31 16	12 31	15 38	16 2	18 23		n.a.
W 7	4 22	15 27	5 7	12 17	1 51	6 0	0 43	21 1	1 25	11 25	1 17	23 7	0 34	11 17	0 45	3 9	1 55	31 16	12 32	15 37	16 1	18 24		n.a.
T 8	4 45	12 11	5 13	13 3	1 59	6 31	0 41	20 51	1 26	11 22	1 17	23 7	0 34	11 16	0 45	3 10	1 55	31 16	12 32	15 37	16 0	18 24		n.a.
F 9	5 8	8 13	5 4	13 47	2 6	7 1	0 38	20 41	1 27	11 20	1 17	23 7	0 34	11 15	0 45	3 11	1 55	31 17	12 32	15 35	15 59	18 25		n.a.
S 10	5 31	3 42	4 37	14 29	2 12	7 31	0 36	20 31	1 28	11 18	1 17	23 7	0 34	11 14	0 45	3 12	1 55	31 17	12 33	15 34	15 58	18 26		n.a.
S 11	5 54	1n 8	3 53	15 8	2 18	8 1	0 34	20 21	1 29	11 15	1 17	23 7	0 34	11 13	0 45	3 12	1 55	31 17	12 33	15 33	15 57	18 27		n.a.
M12	6 16	6 3	2 52	15 44	2 22	8 31	0 32	20 11	1 31	11 13	1 17	23 7	0 34	11 12	0 45	3 13	1 55	31 17	12 33	15 32	15 56	18 27		n.a.
T 13	6 39	10 41	1 39	16 19	2 26	9 1	0 30	20 0	1 32	11 11	1 17	23 7	0 34	11 11	0 45	3 14	1 55	31 17	12 34	15 31	15 55	18 28		n.a.
W14	7 1	14 42	0 19	16 50	2 30	9 30	0 28	19 50	1 33	11 8	1 17	23 7	0 34	11 10	0 45	3 15	1 55	31 17	12 34	15 31	15 54	18 29		n.a.
T 15	7 23	17 45	1s 2	17 20	2 32	9 59	0 25	19 39	1 34	11 6	1 17	23 7	0 34	11 9	0 45	3 16	1 55	31 17	12 34	15 31	15 53	18 30		n.a.
F 16	7 45	19 36	2 19	17 47	2 34	10 28	0 23	19 28	1 35	11 3	1 17	23 7	0 33	11 8	0 45	3 17	1 55	31 17	12 35	15 31	15 53	18 30		n.a.
S 17	8 7	20 5	3 26	18 11	2 34	10 57	0 21	19 17	1 36	11 1	1 17	23 7	0 33	11 7	0 45	3 18	1 55	31 18	12 35	15 32	15 52	18 31		n.a.
S 18	8 29	19 17	4 19	18 33	2 34	11 25	0 18	19 5	1 37	10 58	1 17	23 7	0 33	11 6	0 45	3 19	1 55	31 18	12 35	15 32	15 51	18 32		n.a.
M19	8 51	17 18	4 55	18 53	2 33	11 54	0 16	18 54	1 38	10 55	1 17	23 7	0 33	11 5	0 45	3 20	1 55	31 18	12 36	15 32	15 50	18 32		n.a.
T 20	9 12	14 24	5 13	19 10	2 31	12 21	0 14	18 42	1 39	10 53	1 17	23 7	0 33	11 4	0 45	3 20	1 55	31 18	12 36	15 32	15 49	18 33		n.a.
W21	9 34	10 49	5 14	19 25	2 28	12 49	0 11	18 31	1 40	10 50	1 17	23 7	0 33	11 3	0 45	3 21	1 55	31 18	12 36	15 32	15 48	18 34		n.a.
T 22	9 55	6 47	4 59	19 38	2 25	13 16	0 9	18 19	1 41	10 48	1 17	23 7	0 33	11 3	0 45	3 22	1 55	31 19	12 37	15 31	15 47	18 34		n.a.
F 23	10 16	2 32	4 29	19 48	2 20	13 43	0 6	18 7	1 42	10 45	1 17	23 7	0 33	11 2	0 45	3 23	1 56	31 19	12 37	15 31	15 46	18 35		n.a.
S 24	10 37	1s46	3 47	19 56	2 15	14 10	0 4	17 54	1 43	10 43	1 16	23 7	0 33	11 1	0 45	3 24	1 56	31 19	12 37	15 30	15 45	18 36		n.a.
S 25	10 58	5 56	2 55	20 2	2 8	14 36	0 2	17 42	1 44	10 40	1 16	23 7	0 33	11 0	0 45	3 25	1 56	31 19	12 38	15 29	15 44	18 36		n.a.
M26	11 19	9 48	1 55	20 5	2 1	15 2	0n 1	17 30	1 45	10 37	1 16	23 7	0 33	10 59	0 45	3 25	1 56	31 19	12 38	15 29	15 43	18 37		n.a.
T 27	11 39	13 14	0 51	20 6	1 52	15 28	0 3	17 17	1 46	10 35	1 16	23 7	0 33	10 58	0 45	3 26	1 56	31 20	12 38	15 29	15 42	18 38		n.a.
W28	12 0	16 4	0n15	20 5	1 43	15 53	0 6	17 4	1 47	10 32	1 16	23 7	0 33	10 58	0 45	3 27	1 56	31 20	12 39	15 29	15 41	18 38		n.a.
T 29	12 20	18 13	1 20	20 2	1 33	16 18	0 8	16 51	1 48	10 30	1 16	23 7	0 33	10 57	0 45	3 28	1 56	31 20	12 39	15 29	15 40	18 39		n.a.
F 30	12n40	19s35	2n21	19n57	1n22	16n42	0n11	16s39	1s49	10s27	1n16	23s 7	0n33	10s56	0s46	3n29	1s56	31s20	12s39	15s29	15s39	18s40		n.a.

Julian Day Number = 1565916.5, Delta T = 04h20m59s
Ecliptic obliquity = 23°44'42, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'07, Lahiri = - 9°50'07 Julian Calendar 1 Apr. 426 BCE == Greg. Calendar 27 March 426 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

MAY 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 11 59	3♉56'29	19♐41	22♉47	16♉13	20♒59	29°R55	25°R19	3♓52	13♈11	5♒35	11♏32	12♏ 0	28♏39	n.a.	S 1
S 2	14 15 55	4°53'48	1♊35	22°58	17°26	21°42	29♎48	25♐17	3°54	13°13	5°35	11°33	11°57	28°46	n.a.	S 2
M 3	14 19 52	5°51'05	13°36	23° 5	18°40	22°25	29°40	25°15	3°56	13°15	5°35	11°34	11°53	28°52	n.a.	M 3
T 4	14 23 48	6°48'23	25°50	23°R 7	19°53	23° 8	29°33	25°13	3°58	13°17	5°36	11°34	11°50	28°59	n.a.	T 4
W 5	14 27 45	7°45'39	8♒20	23° 5	21° 7	23°51	29°25	25°11	4° 0	13°19	5°36	11°R34	11°47	29° 6	n.a.	W 5
T 6	14 31 41	8°42'55	21°11	22°58	22°20	24°34	29°18	25° 9	4° 1	13°21	5°36	11°34	11°44	29°12	n.a.	T 6
F 7	14 35 38	9°40'10	4♓26	22°47	23°33	25°17	29°10	25° 6	4° 3	13°23	5°36	11°34	11°41	29°19	n.a.	F 7
S 8	14 39 35	10°37'25	18° 7	22°33	24°47	26° 0	29° 3	25° 4	4° 5	13°25	5°36	11°34	11°38	29°26	n.a.	S 8
S 9	14 43 31	11°34'39	2♈14	22°14	26° 0	26°42	28°55	25° 1	4° 7	13°27	5°36	11°D34	11°34	29°32	n.a.	S 9
M10	14 47 28	12°31'53	16°46	21°52	27°14	27°25	28°48	24°59	4° 9	13°29	5°36	11°34	11°31	29°39	n.a.	M10
T 11	14 51 24	13°29'06	1♉37	21°26	28°27	28° 8	28°41	24°56	4°10	13°31	5°36	11°34	11°28	29°45	n.a.	T 11
W12	14 55 21	14°26'19	16°42	20°58	29°41	28°50	28°34	24°53	4°12	13°33	5°R36	11°R34	11°25	29°52	n.a.	W12
T 13	14 59 17	15°23'32	1♊50	20°28	0♊54	29°33	28°27	24°50	4°14	13°35	5°36	11°34	11°22	29°59	n.a.	T 13
F 14	15 3 14	16°20'43	16°54	19°56	2° 7	0♓15	28°20	24°48	4°15	13°37	5°36	11°33	11°18	0♐ 5	n.a.	F 14
S 15	15 7 10	17°17'54	1♋44	19°23	3°21	0°57	28°13	24°45	4°17	13°39	5°36	11°33	11°15	0°12	n.a.	S 15
S 16	15 11 7	18°15'04	16°15	18°49	4°34	1°39	28° 6	24°42	4°18	13°41	5°36	11°32	11°12	0°19	n.a.	S 16
M17	15 15 4	19°12'14	0♌21	18°15	5°47	2°21	27°59	24°38	4°19	13°43	5°36	11°31	11° 9	0°25	n.a.	M17
T 18	15 19 0	20° 9'23	14° 3	17°41	7° 1	3° 3	27°53	24°35	4°21	13°45	5°36	11°D31	11° 6	0°32	n.a.	T 18
W19	15 22 57	21° 6'31	27°21	17° 9	8°14	3°45	27°46	24°32	4°22	13°47	5°36	11°31	11° 3	0°39	n.a.	W19
T 20	15 26 53	22° 3'38	10♍16	16°38	9°27	4°27	27°40	24°29	4°23	13°49	5°36	11°32	10°59	0°45	n.a.	T 20
F 21	15 30 50	23° 0'44	22°52	16° 9	10°41	5° 9	27°34	24°25	4°25	13°51	5°35	11°32	10°56	0°52	n.a.	F 21
S 22	15 34 46	23°57'50	5♎12	15°43	11°54	5°50	27°27	24°22	4°26	13°52	5°35	11°33	10°53	0°59	n.a.	S 22
S 23	15 38 43	24°54'56	17°21	15°20	13° 7	6°32	27°21	24°18	4°27	13°54	5°35	11°35	10°50	1° 5	n.a.	S 23
M24	15 42 39	25°52'01	29°20	15° 1	14°20	7°13	27°15	24°15	4°28	13°56	5°35	11°35	10°47	1°12	n.a.	M24
T 25	15 46 36	26°49'06	11♏13	14°45	15°34	7°54	27°10	24°11	4°29	13°58	5°34	11°R36	10°43	1°19	n.a.	T 25
W26	15 50 33	27°46'11	23° 2	14°33	16°47	8°35	27° 4	24° 7	4°30	14° 0	5°34	11°35	10°40	1°25	n.a.	W26
T 27	15 54 29	28°43'16	4♐50	14°26	18° 0	9°17	26°58	24° 4	4°31	14° 1	5°34	11°34	10°37	1°32	n.a.	T 27
F 28	15 58 26	29°40'20	16°40	14°D24	19°13	9°58	26°53	24° 0	4°32	14° 3	5°33	11°32	10°34	1°39	n.a.	F 28
S 29	16 2 22	0♊37'25	28°32	14°26	20°27	10°38	26°48	23°56	4°33	14° 5	5°33	11°30	10°31	1°45	n.a.	S 29
S 30	16 6 19	1°34'30	10♋30	14°33	21°40	11°19	26°42	23°52	4°34	14° 6	5°33	11°26	10°28	1°52	n.a.	S 30
M31	16 10 15	2♊31'34	22♋37	14♉45	22♊53	12♓ 0	26♎37	23♐48	4♓35	14♈ 8	5♒32	11♏23	10♏24	1♐59	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n 0	20s 4	3n17	19n49	1n10	17n 6	0n13	16s25	1s50	10s24	1n16	23s 7	0n33	10s55	0s46	3n30	1s56	31s21	12s40	15s29	15s38	18s40		n.a.
S 2	13 19	19 40	4 4	19 40	0 57	17 30	0 15	16 12	1 51	10 22	1 16	23 7	0 33	10 55	0 46	3 30	1 56	31 21	12 40	15 29	15 37	18 41		n.a.
M 3	13 38	18 23	4 41	19 29	0 43	17 53	0 18	15 59	1 52	10 19	1 16	23 7	0 33	10 54	0 46	3 31	1 56	31 21	12 40	15 30	15 36	18 42		n.a.
T 4	13 58	16 14	5 6	19 15	0 29	18 16	0 20	15 46	1 53	10 17	1 15	23 7	0 33	10 53	0 46	3 32	1 56	31 21	12 41	15 30	15 35	18 42		n.a.
W 5	14 17	13 18	5 17	19 0	0 14	18 38	0 23	15 32	1 54	10 14	1 15	23 7	0 33	10 53	0 46	3 33	1 56	31 22	12 41	15 30	15 34	18 43		n.a.
T 6	14 35	9 40	5 13	18 44	0s 2	18 59	0 25	15 18	1 55	10 12	1 15	23 7	0 33	10 52	0 46	3 34	1 56	31 22	12 41	15 30	15 33	18 43		n.a.
F 7	14 54	5 28	4 53	18 25	0 18	19 21	0 28	15 5	1 56	10 9	1 15	23 6	0 33	10 51	0 46	3 34	1 56	31 22	12 42	15 30	15 32	18 44		n.a.
S 8	15 12	0 51	4 16	18 5	0 34	19 41	0 30	14 51	1 57	10 7	1 15	23 6	0 33	10 51	0 46	3 35	1 56	31 23	12 42	15 30	15 31	18 45		n.a.
S 9	15 30	3n59	3 22	17 44	0 51	20 2	0 32	14 37	1 58	10 4	1 15	23 6	0 33	10 50	0 46	3 36	1 56	31 23	12 43	15 30	15 30	18 45		n.a.
M10	15 48	8 43	2 14	17 22	1 8	20 21	0 35	14 23	1 59	10 2	1 14	23 6	0 33	10 49	0 46	3 37	1 56	31 23	12 43	15 30	15 29	18 46		n.a.
T 11	16 5	13 3	0 55	16 59	1 25	20 40	0 37	14 9	2 0	9 59	1 14	23 6	0 33	10 49	0 46	3 38	1 56	31 24	12 43	15 30	15 28	18 47		n.a.
W12	16 22	16 35	0s29	16 36	1 42	20 59	0 39	13 55	2 1	9 57	1 14	23 6	0 32	10 48	0 46	3 38	1 56	31 24	12 44	15 30	15 27	18 47		n.a.
T 13	16 40	18 59	1 50	16 12	1 58	21 17	0 42	13 41	2 2	9 54	1 14	23 6	0 32	10 48	0 46	3 39	1 56	31 24	12 44	15 30	15 26	18 48		n.a.
F 14	16 56	20 2	3 4	15 47	2 14	21 34	0 44	13 26	2 3	9 52	1 14	23 6	0 32	10 47	0 46	3 40	1 56	31 25	12 44	15 29	15 25	18 48		n.a.
S 15	17 13	19 40	4 4	15 23	2 30	21 51	0 46	13 12	2 4	9 50	1 14	23 6	0 32	10 47	0 46	3 41	1 56	31 25	12 45	15 29	15 24	18 49		n.a.
S 16	17 29	17 59	4 47	15 0	2 45	22 7	0 48	12 58	2 5	9 48	1 13	23 6	0 32	10 46	0 46	3 41	1 56	31 25	12 45	15 29	15 23	18 50		n.a.
M17	17 45	15 16	5 12	14 37	2 59	22 23	0 51	12 43	2 6	9 45	1 13	23 6	0 32	10 46	0 46	3 42	1 56	31 26	12 45	15 29	15 22	18 50		n.a.
T 18	18 1	11 46	5 17	14 15	3 12	22 37	0 53	12 29	2 7	9 43	1 13	23 6	0 32	10 45	0 46	3 43	1 56	31 26	12 46	15 29	15 21	18 51		n.a.
W19	18 16	7 46	5 6	13 55	3 24	22 52	0 55	12 14	2 8	9 41	1 13	23 6	0 32	10 45	0 46	3 43	1 56	31 26	12 46	15 29	15 20	18 51		n.a.
T 20	18 31	3 31	4 39	13 36	3 34	23 5	0 57	12 0	2 9	9 39	1 13	23 6	0 32	10 44	0 46	3 44	1 56	31 27	12 46	15 29	15 19	18 52		n.a.
F 21	18 46	0s47	3 59	13 19	3 44	23 18	0 59	11 45	2 9	9 37	1 12	23 6	0 32	10 44	0 46	3 45	1 56	31 27	12 47	15 29	15 18	18 52		n.a.
S 22	19 0	4 58	3 8	13 3	3 52	23 31	1 1	11 30	2 10	9 35	1 12	23 5	0 32	10 43	0 46	3 45	1 56	31 28	12 47	15 30	15 17	18 53		n.a.
S 23	19 14	8 54	2 11	12 50	3 59	23 42	1 3	11 15	2 11	9 33	1 12	23 5	0 32	10 43	0 46	3 46	1 56	31 28	12 47	15 30	15 16	18 54		n.a.
M24	19 28	12 25	1 8	12 39	4 4	23 53	1 5	11 1	2 12	9 31	1 12	23 5	0 32	10 43	0 46	3 47	1 56	31 28	12 48	15 30	15 15	18 54		n.a.
T 25	19 42	15 25	0 2	12 31	4 8	24 4	1 7	10 46	2 13	9 29	1 12	23 5	0 32	10 42	0 46	3 47	1 56	31 29	12 48	15 30	15 14	18 55		n.a.
W26	19 55	17 45	1n 3	12 25	4 11	24 13	1 9	10 31	2 14	9 27	1 11	23 5	0 32	10 42	0 46	3 48	1 56	31 29	12 48	15 30	15 13	18 55		n.a.
T 27	20 8	19 19	2 5	12 22	4 12	24 22	1 11	10 16	2 15	9 25	1 11	23 5	0 32	10 42	0 46	3 49	1 57	31 30	12 49	15 30	15 12	18 56		n.a.
F 28	20 20	20 3	3 2	12 21	4 12	24 30	1 12	10 1	2 16	9 23	1 11	23 5	0 32	10 41	0 47	3 49	1 57	31 30	12 49	15 29	15 11	18 56		n.a.
S 29	20 32	19 53	3 51	12 23	4 11	24 38	1 14	9 46	2 16	9 22	1 11	23 5	0 32	10 41	0 47	3 50	1 57	31 30	12 49	15 28	15 10	18 57		n.a.
S 30	20 44	18 50	4 31	12 27	4 9	24 44	1 16	9 31	2 17	9 20	1 10	23 5	0 31	10 41	0 47	3 51	1 57	31 31	12 50	15 27	15 9	18 57		n.a.
M31	20n56	16s55	4n58	12n34	4s 5	24n50	1n17	9s16	2s18	9s18	1n10	23s 5	0n31	10s41	0s47	3n51	1s57	31s31	12s50	15s26	15s 8	18s58		n.a.

Julian Day Number = 1565946.5, Delta T = 04h20m58s
Ecliptic obliquity = 23°44'42, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°57'03, Lahiri = - 9°50'03 Julian Calendar 1 May 426 BCE == Greg. Calendar 26 Apr. 426 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

JUNE 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 14 12	3♊28'40	4♒54	15♉ 2	24♊ 6	12♓40	26°R33	23°R44	4♓35	14♈10	5°R32	11°R21	10♏21	2♐ 5	n.a.	T 1
W 2	16 18 8	4°25'45	17°26	15°24	25°19	13°21	26♎28	23♐40	4°36	14°11	5♒31	11♏19	10°18	2°12	n.a.	W 2
T 3	16 22 5	5°22'51	0♓15	15°51	26°32	14° 1	26°23	23°36	4°37	14°13	5°31	11°D18	10°15	2°19	n.a.	T 3
F 4	16 26 2	6°19'57	13°24	16°22	27°45	14°41	26°19	23°32	4°37	14°14	5°30	11°18	10°12	2°25	n.a.	F 4
S 5	16 29 58	7°17'03	26°57	16°59	28°58	15°21	26°15	23°28	4°38	14°16	5°30	11°19	10° 9	2°32	n.a.	S 5
S 6	16 33 55	8°14'10	10♈55	17°41	0♋11	16° 1	26°11	23°24	4°38	14°17	5°29	11°20	10° 5	2°39	n.a.	S 6
M 7	16 37 51	9°11'18	25°17	18°27	1°25	16°41	26° 7	23°20	4°39	14°19	5°29	11°21	10° 2	2°45	n.a.	M 7
T 8	16 41 48	10° 8'26	10♉ 2	19°18	2°38	17°20	26° 3	23°15	4°39	14°20	5°28	11°R22	9°59	2°52	n.a.	T 8
W 9	16 45 44	11° 5'34	25° 3	20°14	3°51	18° 0	25°59	23°11	4°39	14°22	5°27	11°21	9°56	2°59	n.a.	W 9
T 10	16 49 41	12° 2'44	10♊14	21°15	5° 4	18°39	25°56	23° 7	4°40	14°23	5°27	11°19	9°53	3° 5	n.a.	T 10
F 11	16 53 38	12°59'53	25°25	22°20	6°17	19°18	25°53	23° 3	4°40	14°24	5°26	11°16	9°49	3°12	n.a.	F 11
S 12	16 57 34	13°57'03	10♋26	23°29	7°30	19°57	25°50	22°58	4°40	14°26	5°25	11°12	9°46	3°18	n.a.	S 12
S 13	17 1 31	14°54'13	25° 8	24°43	8°43	20°36	25°47	22°54	4°40	14°27	5°25	11° 7	9°43	3°25	n.a.	S 13
M14	17 5 27	15°51'23	9♌25	26° 2	9°56	21°15	25°44	22°49	4°40	14°28	5°24	11° 3	9°40	3°32	n.a.	M14
T 15	17 9 24	16°48'34	23°15	27°24	11° 9	21°53	25°41	22°45	4°40	14°30	5°23	10°59	9°37	3°38	n.a.	T 15
W16	17 13 20	17°45'45	6♍36	28°51	12°22	22°32	25°39	22°41	4°R40	14°31	5°22	10°57	9°34	3°45	n.a.	W16
T 17	17 17 17	18°42'56	19°31	0♎22	13°34	23°10	25°37	22°36	4°40	14°32	5°22	10°D57	9°30	3°52	n.a.	T 17
F 18	17 21 13	19°40'07	2♎ 4	1°57	14°47	23°48	25°35	22°32	4°40	14°33	5°21	10°57	9°27	3°58	n.a.	F 18
S 19	17 25 10	20°37'19	14°20	3°36	16° 0	24°26	25°33	22°27	4°40	14°34	5°20	10°59	9°24	4° 5	n.a.	S 19
S 20	17 29 7	21°34'31	26°21	5°18	17°13	25° 3	25°31	22°23	4°40	14°36	5°19	11° 0	9°21	4°12	n.a.	S 20
M21	17 33 3	22°31'44	8♏15	7° 4	18°26	25°41	25°30	22°19	4°40	14°37	5°18	11°R 1	9°18	4°18	n.a.	M21
T 22	17 37 0	23°28'57	20° 3	8°53	19°39	26°18	25°29	22°14	4°39	14°38	5°17	11° 1	9°15	4°25	n.a.	T 22
W23	17 40 56	24°26'11	1♐51	10°46	20°52	26°55	25°28	22°10	4°39	14°39	5°17	10°58	9°11	4°32	n.a.	W23
T 24	17 44 53	25°23'26	13°40	12°41	22° 4	27°32	25°27	22° 5	4°39	14°40	5°16	10°54	9° 8	4°38	n.a.	T 24
F 25	17 48 49	26°20'41	25°34	14°38	23°17	28° 9	25°26	22° 1	4°38	14°41	5°15	10°48	9° 5	4°45	n.a.	F 25
S 26	17 52 46	27°17'58	7♑34	16°37	24°30	28°45	25°25	21°57	4°38	14°42	5°14	10°40	9° 2	4°52	n.a.	S 26
S 27	17 56 42	28°15'15	19°42	18°39	25°42	29°22	25°25	21°52	4°37	14°43	5°13	10°32	8°59	4°58	n.a.	S 27
M28	18 0 39	29°12'33	1♒59	20°41	26°55	29°58	25°25	21°48	4°37	14°44	5°12	10°23	8°55	5° 5	n.a.	M28
T 29	18 4 36	0♋ 9'52	14°26	22°45	28° 8	0♈34	25°D25	21°43	4°36	14°44	5°11	10°15	8°52	5°12	n.a.	T 29
W30	18 8 32	1♋ 7'13	27♒ 5	24♊50	29♋20	1♈10	25♎25	21♐39	4♓35	14♈45	5♒10	10♏ 9	8♏49	5♐18	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 7	14s13	5n13	12n43	4s 1	24n56	1n19	9s 1	2s19	9s17	1n10	23s 4	0n31	10s40	0s47	3n52	1s57	31s32	12s50	15s26	15s 7	18s58		n.a.
W 2	21 18	10 50	5 13	12 55	3 55	25 0	1 21	8 46	2 20	9 15	1 10	23 4	0 31	10 40	0 47	3 52	1 57	31 32	12 51	15 25	15 6	18 59		n.a.
T 3	21 28	6 53	4 58	13 9	3 49	25 4	1 22	8 31	2 21	9 14	1 9	23 4	0 31	10 40	0 47	3 53	1 57	31 33	12 51	15 25	15 5	18 59		n.a.
F 4	21 38	2 30	4 27	13 25	3 41	25 7	1 24	8 16	2 21	9 13	1 9	23 4	0 31	10 40	0 47	3 53	1 57	31 33	12 51	15 25	15 4	19 0		n.a.
S 5	21 48	2n 8	3 40	13 43	3 33	25 9	1 25	8 1	2 22	9 11	1 9	23 4	0 31	10 40	0 47	3 54	1 57	31 33	12 52	15 25	15 3	19 0		n.a.
S 6	21 58	6 49	2 40	14 3	3 24	25 11	1 26	7 46	2 23	9 10	1 9	23 4	0 31	10 39	0 47	3 55	1 57	31 34	12 52	15 25	15 2	19 1		n.a.
M 7	22 7	11 15	1 27	14 25	3 15	25 12	1 27	7 31	2 24	9 9	1 8	23 4	0 31	10 39	0 47	3 55	1 57	31 34	12 52	15 26	15 1	19 1		n.a.
T 8	22 15	15 8	0 7	14 49	3 5	25 12	1 29	7 17	2 24	9 8	1 8	23 3	0 31	10 39	0 47	3 56	1 57	31 35	12 53	15 26	15 0	19 2		n.a.
W 9	22 23	18 4	1s14	15 14	2 54	25 11	1 30	7 2	2 25	9 7	1 8	23 3	0 31	10 39	0 47	3 56	1 57	31 35	12 53	15 26	14 59	19 2		n.a.
T 10	22 31	19 46	2 32	15 41	2 43	25 10	1 31	6 47	2 26	9 6	1 8	23 3	0 31	10 39	0 47	3 57	1 57	31 36	12 53	15 25	14 58	19 3		n.a.
F 11	22 39	20 2	3 38	16 9	2 31	25 7	1 32	6 32	2 27	9 5	1 7	23 3	0 31	10 39	0 47	3 57	1 57	31 36	12 53	15 24	14 57	19 3		n.a.
S 12	22 46	18 52	4 29	16 39	2 19	25 4	1 33	6 17	2 28	9 4	1 7	23 3	0 30	10 39	0 47	3 58	1 57	31 37	12 54	15 23	14 56	19 4		n.a.
S 13	22 53	16 28	5 0	17 9	2 6	25 1	1 34	6 2	2 28	9 3	1 7	23 3	0 30	10 39	0 47	3 58	1 57	31 37	12 54	15 21	14 55	19 4		n.a.
M14	22 59	13 7	5 12	17 40	1 54	24 56	1 34	5 47	2 29	9 2	1 6	23 3	0 30	10 39	0 47	3 58	1 57	31 38	12 54	15 20	14 54	19 5		n.a.
T 15	23 5	9 9	5 5	18 12	1 41	24 51	1 35	5 33	2 30	9 2	1 6	23 2	0 30	10 39	0 47	3 59	1 58	31 38	12 55	15 19	14 53	19 5		n.a.
W16	23 10	4 51	4 42	18 44	1 28	24 45	1 36	5 18	2 30	9 1	1 6	23 2	0 30	10 39	0 47	3 59	1 58	31 39	12 55	15 18	14 52	19 6		n.a.
T 17	23 15	0 28	4 4	19 16	1 15	24 39	1 37	5 3	2 31	9 1	1 6	23 2	0 30	10 39	0 47	4 0	1 58	31 39	12 55	15 18	14 51	19 6		n.a.
F 18	23 20	3s50	3 16	19 48	1 2	24 31	1 37	4 49	2 32	9 0	1 5	23 2	0 30	10 39	0 47	4 0	1 58	31 39	12 55	15 18	14 50	19 7		n.a.
S 19	23 24	7 52	2 20	20 20	0 49	24 23	1 38	4 34	2 32	9 0	1 5	23 2	0 30	10 39	0 47	4 1	1 58	31 40	12 56	15 19	14 49	19 7		n.a.
S 20	23 28	11 31	1 19	20 52	0 36	24 14	1 38	4 20	2 33	8 59	1 5	23 2	0 30	10 39	0 47	4 1	1 58	31 40	12 56	15 19	14 47	19 8		n.a.
M21	23 32	14 40	0 15	21 23	0 23	24 5	1 38	4 5	2 34	8 59	1 4	23 1	0 30	10 39	0 47	4 1	1 58	31 41	12 56	15 19	14 46	19 8		n.a.
T 22	23 35	17 12	0n49	21 53	0 11	23 55	1 39	3 51	2 34	8 59	1 4	23 1	0 30	10 40	0 47	4 2	1 58	31 41	12 57	15 19	14 45	19 8		n.a.
W23	23 38	18 59	1 51	22 22	0n 1	23 44	1 39	3 36	2 35	8 59	1 4	23 1	0 30	10 40	0 48	4 2	1 58	31 42	12 57	15 19	14 44	19 9		n.a.
T 24	23 40	19 58	2 48	22 49	0 12	23 32	1 39	3 22	2 36	8 59	1 4	23 1	0 29	10 40	0 48	4 2	1 58	31 42	12 57	15 17	14 43	19 9		n.a.
F 25	23 42	20 3	3 37	23 14	0 24	23 20	1 39	3 8	2 36	8 59	1 3	23 1	0 29	10 40	0 48	4 3	1 58	31 43	12 57	15 15	14 42	19 10		n.a.
S 26	23 43	19 14	4 18	23 38	0 34	23 7	1 39	2 54	2 37	8 59	1 3	23 1	0 29	10 40	0 48	4 3	1 58	31 43	12 58	15 13	14 41	19 10		n.a.
S 27	23 44	17 32	4 47	23 59	0 44	22 53	1 39	2 40	2 37	8 59	1 3	23 0	0 29	10 41	0 48	4 3	1 58	31 44	12 58	15 10	14 40	19 11		n.a.
M28	23 45	15 2	5 4	24 18	0 53	22 39	1 38	2 26	2 38	8 59	1 2	23 0	0 29	10 41	0 48	4 4	1 58	31 44	12 58	15 7	14 39	19 11		n.a.
T 29	23 45	11 49	5 6	24 35	1 2	22 24	1 38	2 12	2 39	8 59	1 2	23 0	0 29	10 41	0 48	4 4	1 58	31 45	12 58	15 5	14 38	19 11		n.a.
W30	23n44	8s 2	4n54	24n48	1n10	22n 9	1n38	1s58	2s39	9s 0	1n 2	23s 0	0n29	10s41	0s48	4n 4	1s58	31s45	12s58	15s 3	14s37	19s12		n.a.

Julian Day Number = 1565977.5, Delta T = 04h20m57s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'59, Lahiri = - 9°49'59 Julian Calendar 1 June 426 BCE == Greg. Calendar 27 May 426 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

JULY 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 12 29	2♋ 4'34	9♓59	26♊55	0♌33	1♈45	25♎25	21°R35	4°R35	14♈46	5°R 9	10°R 5	8♏46	5♐25	n.a.	T 1
F 2	18 16 25	3° 1'57	23° 8	29° 1	1°46	2°20	25°26	21♐30	4♓34	14°47	5♒ 8	10♏ 2	8°43	5°32	n.a.	F 2
S 3	18 20 22	3°59'22	6♈36	1♋ 6	2°58	2°55	25°27	21°26	4°33	14°47	5° 7	10°D 2	8°40	5°38	n.a.	S 3
S 4	18 24 18	4°56'48	20°24	3°11	4°11	3°30	25°27	21°22	4°32	14°48	5° 6	10° 2	8°36	5°45	n.a.	S 4
M 5	18 28 15	5°54'15	4♉33	5°15	5°23	4° 5	25°29	21°18	4°31	14°49	5° 5	10°R 3	8°33	5°52	n.a.	M 5
T 6	18 32 11	6°51'44	19° 2	7°19	6°36	4°39	25°30	21°13	4°31	14°50	5° 4	10° 3	8°30	5°58	n.a.	T 6
W 7	18 36 8	7°49'14	3♊48	9°22	7°48	5°13	25°31	21° 9	4°30	14°50	5° 2	10° 1	8°27	6° 5	n.a.	W 7
T 8	18 40 5	8°46'45	18°47	11°24	9° 1	5°47	25°33	21° 5	4°29	14°51	5° 1	9°57	8°24	6°12	n.a.	T 8
F 9	18 44 1	9°44'19	3♋49	13°24	10°13	6°21	25°35	21° 1	4°27	14°51	5° 0	9°50	8°21	6°18	n.a.	F 9
S 10	18 47 58	10°41'53	18°47	15°24	11°26	6°54	25°37	20°57	4°26	14°52	4°59	9°41	8°17	6°25	n.a.	S 10
S 11	18 51 54	11°39'28	3♌29	17°22	12°38	7°27	25°39	20°53	4°25	14°52	4°58	9°32	8°14	6°32	n.a.	S 11
M12	18 55 51	12°37'05	17°50	19°19	13°50	8° 0	25°41	20°49	4°24	14°53	4°57	9°23	8°11	6°38	n.a.	M12
T 13	18 59 47	13°34'43	1♍44	21°14	15° 3	8°32	25°44	20°45	4°23	14°53	4°56	9°15	8° 8	6°45	n.a.	T 13
W14	19 3 44	14°32'22	15° 9	23° 8	16°15	9° 4	25°47	20°41	4°21	14°53	4°54	9° 9	8° 5	6°52	n.a.	W14
T 15	19 7 40	15°30'02	28° 7	25° 1	17°27	9°36	25°50	20°38	4°20	14°54	4°53	9° 6	8° 1	6°58	n.a.	T 15
F 16	19 11 37	16°27'44	10♎42	26°52	18°39	10° 8	25°53	20°34	4°19	14°54	4°52	9° 4	7°58	7° 5	n.a.	F 16
S 17	19 15 34	17°25'26	22°57	28°42	19°52	10°39	25°56	20°30	4°17	14°54	4°51	9°D 4	7°55	7°12	n.a.	S 17
S 18	19 19 30	18°23'10	4♏57	0♌30	21° 4	11°10	25°59	20°26	4°16	14°55	4°50	9°R 5	7°52	7°18	n.a.	S 18
M19	19 23 27	19°20'55	16°49	2°17	22°16	11°40	26° 3	20°23	4°14	14°55	4°48	9° 4	7°49	7°25	n.a.	M19
T 20	19 27 23	20°18'41	28°37	4° 2	23°28	12°11	26° 7	20°19	4°13	14°55	4°47	9° 3	7°46	7°32	n.a.	T 20
W21	19 31 20	21°16'29	10♐26	5°46	24°40	12°40	26°11	20°16	4°11	14°55	4°46	8°59	7°42	7°38	n.a.	W21
T 22	19 35 16	22°14'19	22°19	7°29	25°52	13°10	26°15	20°12	4°10	14°55	4°45	8°52	7°39	7°45	n.a.	T 22
F 23	19 39 13	23°12'09	4♑20	9°10	27° 4	13°39	26°19	20° 9	4° 8	14°55	4°44	8°43	7°36	7°52	n.a.	F 23
S 24	19 43 9	24°10'02	16°30	10°50	28°16	14° 8	26°23	20° 6	4° 7	14°55	4°42	8°31	7°33	7°58	n.a.	S 24
S 25	19 47 6	25° 7'56	28°51	12°29	29°28	14°37	26°28	20° 2	4° 5	14°R55	4°41	8°18	7°30	8° 5	n.a.	S 25
M26	19 51 3	26° 5'51	11♒23	14° 6	0♍40	15° 5	26°33	19°59	4° 3	14°55	4°40	8° 6	7°27	8°12	n.a.	M26
T 27	19 54 59	27° 3'48	24° 6	15°42	1°51	15°33	26°38	19°56	4° 1	14°55	4°39	7°54	7°23	8°18	n.a.	T 27
W28	19 58 56	28° 1'48	7♓ 1	17°17	3° 3	16° 0	26°43	19°53	4° 0	14°55	4°37	7°44	7°20	8°25	n.a.	W28
T 29	20 2 52	28°59'49	20° 8	18°50	4°15	16°27	26°48	19°50	3°58	14°55	4°36	7°36	7°17	8°32	n.a.	T 29
F 30	20 6 49	29°57'52	3♈26	20°22	5°27	16°54	26°53	19°47	3°56	14°55	4°35	7°32	7°14	8°38	n.a.	F 30
S 31	20 10 45	0♌55'57	16♈57	21♌53	6♍38	17♈20	26♎59	19♐45	3♓54	14♈55	4♒34	7♏30	7♏11	8♐45	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	23n44	3s49	4n27	25n 0	1n17	21n52	1n37	1s44	2s40	9s 0	1n 2	23s 0	0n29	10s42	0s48	4n 4	1s59	31s46	12s59	15s 1	14s36	19s12			n.a.
F 2	23 43	0n41	3 45	25 8	1 24	21 36	1 37	1 30	2 40	9 0	1 1	22 59	0 29	10 42	0 48	4 5	1 59	31 46	12 59	15 1	14 35	19 13			n.a.
S 3	23 41	5 15	2 50	25 14	1 29	21 18	1 36	1 17	2 41	9 1	1 1	22 59	0 29	10 42	0 48	4 5	1 59	31 47	12 59	15 1	14 34	19 13			n.a.
S 4	23 39	9 40	1 44	25 16	1 34	21 0	1 36	1 3	2 41	9 2	1 1	22 59	0 28	10 43	0 48	4 5	1 59	31 47	12 59	15 1	14 33	19 13			n.a.
M 5	23 37	13 40	0 30	25 16	1 38	20 42	1 35	0 50	2 42	9 2	1 1	22 59	0 28	10 43	0 48	4 5	1 59	31 48	12 59	15 1	14 32	19 14			n.a.
T 6	23 34	16 56	0s48	25 14	1 42	20 23	1 34	0 36	2 42	9 3	1 0	22 59	0 28	10 43	0 48	4 5	1 59	31 48	13 0	15 1	14 31	19 14			n.a.
W 7	23 31	19 9	2 4	25 9	1 44	20 3	1 33	0 23	2 43	9 4	1 0	22 59	0 28	10 44	0 48	4 6	1 59	31 49	13 0	15 0	14 30	19 15			n.a.
T 8	23 27	20 5	3 12	25 1	1 46	19 43	1 32	0 10	2 43	9 5	1 0	22 58	0 28	10 44	0 48	4 6	1 59	31 49	13 0	14 59	14 29	19 15			n.a.
F 9	23 23	19 35	4 7	24 51	1 47	19 22	1 31	0n 3	2 44	9 6	0 59	22 58	0 28	10 45	0 48	4 6	1 59	31 50	13 0	14 57	14 28	19 15			n.a.
S 10	23 18	17 43	4 45	24 38	1 48	19 1	1 30	0 16	2 44	9 7	0 59	22 58	0 28	10 45	0 48	4 6	1 59	31 50	13 0	14 54	14 27	19 16			n.a.
S 11	23 14	14 43	5 3	24 23	1 48	18 39	1 29	0 28	2 45	9 8	0 59	22 58	0 28	10 45	0 48	4 6	1 59	31 50	13 1	14 51	14 26	19 16			n.a.
M12	23 8	10 55	5 1	24 6	1 47	18 17	1 27	0 41	2 45	9 9	0 59	22 58	0 28	10 46	0 48	4 6	1 59	31 51	13 1	14 48	14 25	19 16			n.a.
T 13	23 3	6 37	4 41	23 48	1 46	17 54	1 26	0 54	2 46	9 10	0 58	22 58	0 28	10 46	0 48	4 6	1 59	31 51	13 1	14 46	14 24	19 17			n.a.
W14	22 56	2 8	4 7	23 27	1 45	17 31	1 25	1 6	2 46	9 11	0 58	22 57	0 27	10 47	0 48	4 6	1 59	31 52	13 1	14 44	14 23	19 17			n.a.
T 15	22 50	2s18	3 20	23 5	1 42	17 7	1 23	1 18	2 46	9 12	0 58	22 57	0 27	10 47	0 48	4 7	1 59	31 52	13 1	14 43	14 22	19 17			n.a.
F 16	22 43	6 30	2 25	22 41	1 39	16 43	1 21	1 30	2 47	9 14	0 57	22 57	0 27	10 48	0 48	4 7	2 0	31 53	13 1	14 42	14 21	19 18			n.a.
S 17	22 36	10 21	1 25	22 15	1 36	16 18	1 20	1 42	2 47	9 15	0 57	22 57	0 27	10 49	0 48	4 7	2 0	31 53	13 2	14 42	14 20	19 18			n.a.
S 18	22 28	13 41	0 22	21 48	1 33	15 53	1 18	1 54	2 48	9 17	0 57	22 57	0 27	10 49	0 48	4 7	2 0	31 54	13 2	14 42	14 19	19 18			n.a.
M19	22 20	16 25	0n41	21 20	1 29	15 28	1 16	2 6	2 48	9 18	0 57	22 57	0 27	10 50	0 48	4 7	2 0	31 54	13 2	14 42	14 18	19 19			n.a.
T 20	22 11	18 27	1 42	20 51	1 24	15 2	1 14	2 18	2 48	9 20	0 56	22 56	0 27	10 50	0 48	4 7	2 0	31 55	13 2	14 42	14 16	19 19			n.a.
W21	22 2	19 41	2 38	20 21	1 19	14 36	1 12	2 29	2 49	9 22	0 56	22 56	0 27	10 51	0 48	4 7	2 0	31 55	13 2	14 40	14 15	19 19			n.a.
T 22	21 53	20 3	3 28	19 49	1 14	14 9	1 10	2 41	2 49	9 23	0 56	22 56	0 27	10 51	0 48	4 7	2 0	31 55	13 2	14 38	14 14	19 20			n.a.
F 23	21 43	19 31	4 9	19 17	1 8	13 43	1 8	2 52	2 49	9 25	0 56	22 56	0 26	10 52	0 49	4 7	2 0	31 56	13 2	14 35	14 13	19 20			n.a.
S 24	21 33	18 5	4 39	18 44	1 3	13 15	1 6	3 3	2 49	9 27	0 55	22 56	0 26	10 53	0 49	4 7	2 0	31 56	13 2	14 31	14 12	19 20			n.a.
S 25	21 23	15 49	4 57	18 11	0 56	12 48	1 4	3 14	2 50	9 29	0 55	22 56	0 26	10 53	0 49	4 7	2 0	31 57	13 2	14 27	14 11	19 21			n.a.
M26	21 12	12 47	5 0	17 36	0 50	12 20	1 1	3 24	2 50	9 31	0 55	22 56	0 26	10 54	0 49	4 6	2 0	31 57	13 3	14 23	14 10	19 21			n.a.
T 27	21 1	9 7	4 49	17 1	0 43	11 52	0 59	3 35	2 50	9 33	0 55	22 56	0 26	10 55	0 49	4 6	2 0	31 58	13 3	14 19	14 9	19 21			n.a.
W28	20 49	4 59	4 23	16 26	0 36	11 23	0 56	3 45	2 50	9 35	0 54	22 55	0 26	10 55	0 49	4 6	2 0	31 58	13 3	14 16	14 8	19 22			n.a.
T 29	20 37	0 33	3 43	15 50	0 29	10 54	0 54	3 56	2 51	9 37	0 54	22 55	0 26	10 56	0 49	4 6	2 0	31 58	13 3	14 13	14 7	19 22			n.a.
F 30	20 25	3n58	2 50	15 14	0 22	10 25	0 51	4 6	2 51	9 39	0 54	22 55	0 26	10 57	0 49	4 6	2 0	31 59	13 3	14 12	14 6	19 22			n.a.
S 31	20n12	8n23	1n46	14n37	0n15	9n56	0n48	4n16	2s51	9s42	0n53	22s55	0n25	10s58	0s49	4n 6	2s 1	31s59	13s 3	14s11	14s 5	19s23			n.a.

Julian Day Number = 1566007.5, Delta T = 04h20m56s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'55, Lahiri = - 9°49'55 Julian Calendar 1 July 426 BCE == Greg. Calendar 26 June 426 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

AUGUST 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 14 42	1♌54'04	0♉42	23♌23	7♍50	17♈46	27♎ 5	19°R42	3°R52	14°R55	4°R32	7°R29	7♏ 7	8♐52	n.a.	S 1
M 2	20 18 38	2°52'13	14°41	24°51	9° 1	18°11	27°10	19♐39	3♓50	14♈54	4♒31	7♏29	7° 4	8°58	n.a.	M 2
T 3	20 22 35	3°50'25	28°55	26°18	10°13	18°36	27°16	19°37	3°48	14°54	4°30	7°28	7° 1	9° 5	n.a.	T 3
W 4	20 26 32	4°48'39	13♊23	27°43	11°24	19° 1	27°23	19°34	3°46	14°54	4°28	7°25	6°58	9°12	n.a.	W 4
T 5	20 30 28	5°46'55	28° 0	29° 7	12°36	19°25	27°29	19°32	3°44	14°53	4°27	7°20	6°55	9°18	n.a.	T 5
F 6	20 34 25	6°45'13	12♋41	0♍30	13°47	19°48	27°35	19°30	3°42	14°53	4°26	7°11	6°52	9°25	n.a.	F 6
S 7	20 38 21	7°43'33	27°21	1°51	14°59	20°11	27°42	19°27	3°40	14°53	4°25	7° 1	6°48	9°32	n.a.	S 7
S 8	20 42 18	8°41'55	11♌49	3°11	16°10	20°34	27°49	19°25	3°38	14°52	4°23	6°49	6°45	9°38	n.a.	S 8
M 9	20 46 14	9°40'19	26° 1	4°29	17°21	20°56	27°56	19°23	3°36	14°52	4°22	6°37	6°42	9°45	n.a.	M 9
T 10	20 50 11	10°38'45	9♍50	5°45	18°32	21°17	28° 3	19°21	3°34	14°51	4°21	6°27	6°39	9°52	n.a.	T 10
W11	20 54 7	11°37'12	23°14	7° 0	19°44	21°38	28°10	19°19	3°31	14°51	4°20	6°19	6°36	9°58	n.a.	W11
T 12	20 58 4	12°35'41	6♎12	8°14	20°55	21°58	28°17	19°18	3°29	14°50	4°18	6°14	6°33	10° 5	n.a.	T 12
F 13	21 2 1	13°34'13	18°48	9°25	22° 6	22°18	28°25	19°16	3°27	14°49	4°17	6°11	6°29	10°12	n.a.	F 13
S 14	21 5 57	14°32'45	1♏ 4	10°35	23°17	22°37	28°32	19°14	3°25	14°49	4°16	6°10	6°26	10°18	n.a.	S 14
S 15	21 9 54	15°31'20	13° 5	11°43	24°28	22°56	28°40	19°13	3°22	14°48	4°15	6°10	6°23	10°25	n.a.	S 15
M16	21 13 50	16°29'57	24°58	12°48	25°39	23°14	28°48	19°11	3°20	14°47	4°13	6°10	6°20	10°32	n.a.	M16
T 17	21 17 47	17°28'35	6♐47	13°52	26°49	23°32	28°56	19°10	3°18	14°47	4°12	6° 8	6°17	10°38	n.a.	T 17
W18	21 21 43	18°27'15	18°38	14°52	28° 0	23°49	29° 4	19° 9	3°16	14°46	4°11	6° 5	6°13	10°45	n.a.	W18
T 19	21 25 40	19°25'57	0♑34	15°51	29°11	24° 5	29°12	19° 8	3°13	14°45	4°10	5°58	6°10	10°52	n.a.	T 19
F 20	21 29 36	20°24'41	12°41	16°47	0♎22	24°21	29°21	19° 7	3°11	14°44	4° 8	5°50	6° 7	10°58	n.a.	F 20
S 21	21 33 33	21°23'27	25° 1	17°39	1°32	24°36	29°29	19° 6	3° 9	14°44	4° 7	5°39	6° 4	11° 5	n.a.	S 21
S 22	21 37 29	22°22'15	7♒35	18°29	2°43	24°50	29°38	19° 5	3° 6	14°43	4° 6	5°27	6° 1	11°12	n.a.	S 22
M23	21 41 26	23°21'05	20°25	19°15	3°53	25° 4	29°46	19° 4	3° 4	14°42	4° 5	5°14	5°58	11°18	n.a.	M23
T 24	21 45 23	24°19'57	3♓28	19°58	5° 3	25°17	29°55	19° 4	3° 1	14°41	4° 4	5° 2	5°54	11°25	n.a.	T 24
W25	21 49 19	25°18'51	16°45	20°36	6°14	25°29	0♏ 4	19° 3	2°59	14°40	4° 2	4°53	5°51	11°32	n.a.	W25
T 26	21 53 16	26°17'47	0♈13	21°10	7°24	25°41	0°13	19° 3	2°57	14°39	4° 1	4°46	5°48	11°38	n.a.	T 26
F 27	21 57 12	27°16'46	13°50	21°40	8°34	25°52	0°23	19° 2	2°54	14°38	4° 0	4°42	5°45	11°45	n.a.	F 27
S 28	22 1 9	28°15'47	27°36	22° 4	9°44	26° 2	0°32	19° 2	2°52	14°37	3°59	4°40	5°42	11°52	n.a.	S 28
S 29	22 5 5	29°14'50	11♉30	22°23	10°54	26°11	0°41	19° 2	2°49	14°36	3°58	4°D40	5°38	11°58	n.a.	S 29
M30	22 9 2	0♍13'56	25°30	22°36	12° 4	26°20	0°51	19°D 2	2°47	14°35	3°57	4°R40	5°35	12° 5	n.a.	M30
T 31	22 12 58	1♍13'04	9♊37	22°R43	13♎14	26♈28	1♏ 1	19♐ 2	2♓45	14♈34	3♒56	4♏40	5♏32	12♐12	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	19n59	12n25	0n36	14n 0	0n 7	9n27	0n46	4n26	2s51	9s44	0n53	22s55	0n25	10s58	0s49	4n 6	2s 1	32s 0	13s 3	14s11	14s 4	19s23			n.a.
M 2	19 46	15 51	0s38	13 23	0s 1	8 57	0 43	4 35	2 51	9 46	0 53	22 55	0 25	10 59	0 49	4 6	2 1	32 0	13 3	14 11	14 3	19 23			n.a.
T 3	19 32	18 22	1 51	12 46	0 9	8 27	0 40	4 45	2 51	9 49	0 53	22 55	0 25	11 0	0 49	4 5	2 1	32 0	13 3	14 11	14 2	19 23			n.a.
W 4	19 18	19 46	2 58	12 9	0 17	7 57	0 37	4 54	2 51	9 51	0 52	22 55	0 25	11 0	0 49	4 5	2 1	32 1	13 3	14 10	14 1	19 24			n.a.
T 5	19 4	19 50	3 53	11 32	0 25	7 26	0 34	5 3	2 51	9 54	0 52	22 55	0 25	11 1	0 49	4 5	2 1	32 1	13 3	14 8	14 0	19 24			n.a.
F 6	18 49	18 35	4 34	10 55	0 34	6 56	0 31	5 12	2 52	9 56	0 52	22 55	0 25	11 2	0 49	4 5	2 1	32 1	13 3	14 5	13 59	19 24			n.a.
S 7	18 34	16 7	4 56	10 18	0 42	6 25	0 28	5 21	2 52	9 59	0 52	22 55	0 25	11 3	0 49	4 5	2 1	32 2	13 3	14 2	13 58	19 24			n.a.
S 8	18 19	12 40	4 59	9 41	0 51	5 54	0 25	5 29	2 52	10 2	0 52	22 55	0 25	11 4	0 49	4 4	2 1	32 2	13 3	13 58	13 57	19 25			n.a.
M 9	18 3	8 34	4 44	9 4	0 59	5 23	0 21	5 37	2 52	10 4	0 51	22 55	0 24	11 4	0 49	4 4	2 1	32 2	13 3	13 54	13 55	19 25			n.a.
T 10	17 47	4 6	4 12	8 28	1 8	4 52	0 18	5 45	2 52	10 7	0 51	22 54	0 24	11 5	0 49	4 4	2 1	32 3	13 3	13 50	13 54	19 25			n.a.
W11	17 31	0s26	3 26	7 52	1 17	4 21	0 15	5 53	2 52	10 10	0 51	22 54	0 24	11 6	0 49	4 4	2 1	32 3	13 3	13 48	13 53	19 25			n.a.
T 12	17 15	4 49	2 32	7 16	1 25	3 49	0 11	6 1	2 51	10 13	0 51	22 54	0 24	11 7	0 49	4 3	2 1	32 3	13 3	13 46	13 52	19 26			n.a.
F 13	16 58	8 51	1 31	6 41	1 34	3 18	0 8	6 9	2 51	10 16	0 50	22 54	0 24	11 8	0 49	4 3	2 1	32 4	13 3	13 45	13 51	19 26			n.a.
S 14	16 41	12 25	0 27	6 7	1 43	2 46	0 4	6 16	2 51	10 19	0 50	22 54	0 24	11 9	0 49	4 3	2 1	32 4	13 3	13 45	13 50	19 26			n.a.
S 15	16 23	15 23	0n37	5 33	1 51	2 14	0 1	6 23	2 51	10 22	0 50	22 54	0 24	11 9	0 49	4 2	2 2	32 4	13 3	13 45	13 49	19 26			n.a.
M16	16 6	17 40	1 38	5 0	2 0	1 43	0s 3	6 30	2 51	10 25	0 50	22 54	0 24	11 10	0 49	4 2	2 2	32 5	13 3	13 45	13 48	19 27			n.a.
T 17	15 48	19 11	2 35	4 27	2 8	1 11	0 6	6 37	2 51	10 28	0 49	22 54	0 23	11 11	0 49	4 2	2 2	32 5	13 3	13 44	13 47	19 27			n.a.
W18	15 29	19 51	3 25	3 56	2 17	0 39	0 10	6 43	2 50	10 31	0 49	22 54	0 23	11 12	0 49	4 1	2 2	32 5	13 3	13 43	13 46	19 27			n.a.
T 19	15 11	19 38	4 7	3 25	2 25	0 7	0 14	6 49	2 50	10 34	0 49	22 54	0 23	11 13	0 49	4 1	2 2	32 6	13 3	13 41	13 45	19 27			n.a.
F 20	14 52	18 31	4 38	2 56	2 33	0s25	0 17	6 55	2 50	10 37	0 49	22 54	0 23	11 14	0 49	4 1	2 2	32 6	13 3	13 38	13 44	19 27			n.a.
S 21	14 33	16 32	4 56	2 28	2 41	0 56	0 21	7 1	2 50	10 41	0 49	22 55	0 23	11 15	0 49	4 0	2 2	32 6	13 3	13 34	13 43	19 28			n.a.
S 22	14 14	13 45	5 1	2 2	2 49	1 28	0 25	7 7	2 49	10 44	0 48	22 55	0 23	11 15	0 49	4 0	2 2	32 6	13 3	13 30	13 42	19 28			n.a.
M23	13 54	10 16	4 51	1 37	2 56	2 0	0 29	7 12	2 49	10 47	0 48	22 55	0 23	11 16	0 49	4 0	2 2	32 7	13 3	13 26	13 41	19 28			n.a.
T 24	13 35	6 14	4 26	1 13	3 3	2 32	0 33	7 17	2 49	10 50	0 48	22 55	0 23	11 17	0 49	3 59	2 2	32 7	13 3	13 22	13 40	19 28			n.a.
W25	13 15	1 50	3 46	0 52	3 10	3 4	0 36	7 22	2 48	10 54	0 48	22 55	0 22	11 18	0 49	3 59	2 2	32 7	13 3	13 19	13 38	19 28			n.a.
T 26	12 55	2n43	2 52	0 33	3 16	3 35	0 40	7 27	2 48	10 57	0 47	22 55	0 22	11 19	0 49	3 58	2 2	32 7	13 3	13 16	13 37	19 29			n.a.
F 27	12 34	7 11	1 48	0 16	3 22	4 7	0 44	7 31	2 47	11 1	0 47	22 55	0 22	11 20	0 49	3 58	2 2	32 7	13 2	13 15	13 36	19 29			n.a.
S 28	12 14	11 20	0 38	0 1	3 27	4 38	0 48	7 36	2 47	11 4	0 47	22 55	0 22	11 21	0 49	3 57	2 2	32 8	13 2	13 14	13 35	19 29			n.a.
S 29	11 53	14 54	0s36	0s10	3 31	5 10	0 52	7 40	2 46	11 8	0 47	22 55	0 22	11 22	0 49	3 57	2 2	32 8	13 2	13 14	13 34	19 29			n.a.
M30	11 32	17 37	1 49	0 19	3 35	5 41	0 56	7 43	2 45	11 11	0 47	22 55	0 22	11 22	0 49	3 56	2 2	32 8	13 2	13 15	13 33	19 29			n.a.
T 31	11n11	19n17	2s55	0s24	3s38	6s12	1s 0	7n47	2s45	11s15	0n46	22s55	0n22	11s23	0s49	3n56	2s 2	32s 8	13s 2	13s14	13s32	19s30			n.a.

Julian Day Number = 1566038.5, Delta T = 04h20m54s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'51, Lahiri = - 9°49'50 Julian Calendar 1 Aug. 426 BCE == Greg. Calendar 27 July 426 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

SEPTEMBER 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 16 55	2♍12'15	23♊49	22°R43	14♎24	26♈35	1♏10	19♐ 2	2°R42	14°R32	3°R54	4°R38	5♏29	12♐18	n.a.	W 1
T 2	22 20 52	3°11'29	8♋ 5	22♍36	15°33	26°41	1°20	19° 2	2♓40	14♈31	3♒53	4♏34	5°26	12°25	n.a.	T 2
F 3	22 24 48	4°10'44	22°21	22°21	16°43	26°47	1°30	19° 3	2°37	14°30	3°52	4°27	5°23	12°32	n.a.	F 3
S 4	22 28 45	5°10'03	6♌34	21°59	17°52	26°51	1°40	19° 3	2°35	14°29	3°51	4°19	5°19	12°38	n.a.	S 4
S 5	22 32 41	6° 9'23	20°38	21°28	19° 2	26°55	1°50	19° 3	2°32	14°28	3°50	4° 9	5°16	12°45	n.a.	S 5
M 6	22 36 38	7° 8'46	4♍28	20°50	20°11	26°58	2° 1	19° 4	2°30	14°26	3°49	3°59	5°13	12°52	n.a.	M 6
T 7	22 40 34	8° 8'10	18° 1	20° 4	21°20	27° 0	2°11	19° 5	2°28	14°25	3°48	3°51	5°10	12°58	n.a.	T 7
W 8	22 44 31	9° 7'37	1♎14	19°10	22°30	27° 1	2°22	19° 6	2°25	14°24	3°47	3°44	5° 7	13° 5	n.a.	W 8
T 9	22 48 27	10° 7'06	14° 6	18°10	23°39	27°R 1	2°32	19° 7	2°23	14°22	3°46	3°40	5° 4	13°12	n.a.	T 9
F 10	22 52 24	11° 6'37	26°39	17° 5	24°48	27° 1	2°43	19° 8	2°20	14°21	3°45	3°38	5° 0	13°18	n.a.	F 10
S 11	22 56 20	12° 6'10	8♏54	15°55	25°56	26°59	2°54	19° 9	2°18	14°20	3°44	3°D37	4°57	13°25	n.a.	S 11
S 12	23 0 17	13° 5'45	20°56	14°43	27° 5	26°57	3° 4	19°10	2°16	14°18	3°43	3°38	4°54	13°32	n.a.	S 12
M13	23 4 14	14° 5'21	2♐49	13°30	28°14	26°54	3°15	19°11	2°13	14°17	3°42	3°40	4°51	13°38	n.a.	M13
T 14	23 8 10	15° 5'00	14°39	12°18	29°22	26°50	3°26	19°13	2°11	14°16	3°41	3°R40	4°48	13°45	n.a.	T 14
W15	23 12 7	16° 4'41	26°31	11°11	0♏31	26°45	3°38	19°14	2° 9	14°14	3°41	3°40	4°44	13°52	n.a.	W15
T 16	23 16 3	17° 4'23	8♑29	10° 9	1°39	26°39	3°49	19°16	2° 6	14°13	3°40	3°37	4°41	13°59	n.a.	T 16
F 17	23 20 0	18° 4'07	20°38	9°14	2°47	26°32	4° 0	19°18	2° 4	14°11	3°39	3°33	4°38	14° 5	n.a.	F 17
S 18	23 23 56	19° 3'53	3♒ 3	8°28	3°55	26°24	4°11	19°20	2° 2	14°10	3°38	3°26	4°35	14°12	n.a.	S 18
S 19	23 27 53	20° 3'41	15°46	7°53	5° 3	26°16	4°23	19°22	1°59	14° 8	3°37	3°19	4°32	14°19	n.a.	S 19
M20	23 31 49	21° 3'31	28°48	7°28	6°11	26° 6	4°34	19°24	1°57	14° 7	3°36	3°11	4°29	14°25	n.a.	M20
T 21	23 35 46	22° 3'23	12♓ 9	7°15	7°18	25°56	4°46	19°26	1°55	14° 5	3°36	3° 4	4°25	14°32	n.a.	T 21
W22	23 39 43	23° 3'16	25°48	7°D13	8°26	25°45	4°58	19°28	1°53	14° 4	3°35	2°59	4°22	14°39	n.a.	W22
T 23	23 43 39	24° 3'12	9♈42	7°22	9°33	25°33	5° 9	19°30	1°50	14° 2	3°34	2°54	4°19	14°45	n.a.	T 23
F 24	23 47 36	25° 3'10	23°46	7°41	10°40	25°20	5°21	19°33	1°48	14° 0	3°33	2°52	4°16	14°52	n.a.	F 24
S 25	23 51 32	26° 3'10	7♉57	8°11	11°47	25° 7	5°33	19°35	1°46	13°59	3°33	2°D52	4°13	14°59	n.a.	S 25
S 26	23 55 29	27° 3'13	22°11	8°50	12°54	24°52	5°45	19°38	1°44	13°57	3°32	2°53	4° 9	15° 5	n.a.	S 26
M27	23 59 25	28° 3'17	6♊26	9°37	14° 0	24°37	5°57	19°40	1°42	13°56	3°31	2°55	4° 6	15°12	n.a.	M27
T 28	0 3 22	29° 3'24	20°39	10°32	15° 7	24°21	6° 9	19°43	1°40	13°54	3°31	2°56	4° 3	15°19	n.a.	T 28
W29	0 7 18	0♎ 3'34	4♋47	11°33	16°13	24° 5	6°21	19°46	1°38	13°52	3°30	2°R56	4° 0	15°25	n.a.	W29
T 30	0 11 15	1♎ 3'45	18♋50	12♍40	17♏19	23♈47	6♏34	19♐49	1♓36	13♈51	3♒30	2♏55	3♏57	15♐32	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n49	19n45	3s51	0s26	3s40	6s44	1s 4	7n50	2s44	11s19	0n46	22s56	0n22	11s24	0s49	3n55	2s 2	32s 8	13s 2	13s14	13s31	19s30		n.a.
T 2	10 28	18 57	4 33	0 23	3 40	7 15	1 8	7 53	2 43	11 22	0 46	22 56	0 22	11 25	0 49	3 55	2 3	32 9	13 2	13 12	13 30	19 30		n.a.
F 3	10 6	16 58	4 58	0 17	3 40	7 45	1 12	7 56	2 43	11 26	0 46	22 56	0 21	11 26	0 49	3 54	2 3	32 9	13 2	13 10	13 29	19 30		n.a.
S 4	9 44	13 58	5 4	0 6	3 37	8 16	1 16	7 58	2 42	11 30	0 46	22 56	0 21	11 27	0 49	3 54	2 3	32 9	13 2	13 7	13 28	19 30		n.a.
S 5	9 22	10 11	4 52	0n 9	3 34	8 47	1 20	8 0	2 41	11 33	0 45	22 56	0 21	11 28	0 49	3 53	2 3	32 9	13 1	13 4	13 27	19 30		n.a.
M 6	9 0	5 55	4 23	0 30	3 28	9 17	1 24	8 2	2 40	11 37	0 45	22 56	0 21	11 29	0 49	3 53	2 3	32 9	13 1	13 0	13 26	19 30		n.a.
T 7	8 37	1 26	3 39	0 55	3 21	9 47	1 28	8 4	2 39	11 41	0 45	22 56	0 21	11 30	0 49	3 52	2 3	32 9	13 1	12 58	13 25	19 31		n.a.
W 8	8 15	3s 1	2 45	1 24	3 12	10 17	1 32	8 5	2 38	11 45	0 45	22 57	0 21	11 30	0 49	3 52	2 3	32 9	13 1	12 55	13 23	19 31		n.a.
T 9	7 52	7 13	1 43	1 58	3 1	10 47	1 36	8 6	2 37	11 49	0 45	22 57	0 21	11 31	0 49	3 51	2 3	32 10	13 1	12 54	13 22	19 31		n.a.
F 10	7 29	10 59	0 38	2 36	2 48	11 16	1 40	8 7	2 36	11 52	0 45	22 57	0 21	11 32	0 49	3 51	2 3	32 10	13 1	12 53	13 21	19 31		n.a.
S 11	7 6	14 12	0n28	3 17	2 33	11 45	1 44	8 8	2 35	11 56	0 44	22 57	0 20	11 33	0 49	3 50	2 3	32 10	13 1	12 53	13 20	19 31		n.a.
S 12	6 43	16 44	1 32	4 1	2 16	12 14	1 48	8 8	2 33	12 0	0 44	22 58	0 20	11 34	0 49	3 50	2 3	32 10	13 0	12 53	13 19	19 31		n.a.
M13	6 20	18 31	2 31	4 46	1 58	12 43	1 52	8 8	2 32	12 4	0 44	22 58	0 20	11 35	0 49	3 49	2 3	32 10	13 0	12 54	13 18	19 31		n.a.
T 14	5 57	19 29	3 23	5 31	1 38	13 11	1 56	8 8	2 31	12 8	0 44	22 58	0 20	11 36	0 49	3 48	2 3	32 10	13 0	12 54	13 17	19 32		n.a.
W15	5 34	19 35	4 7	6 16	1 18	13 40	2 0	8 7	2 29	12 12	0 44	22 58	0 20	11 36	0 49	3 48	2 3	32 10	13 0	12 54	13 16	19 32		n.a.
T 16	5 10	18 49	4 40	6 58	0 58	14 7	2 3	8 6	2 28	12 16	0 43	22 58	0 20	11 37	0 49	3 47	2 3	32 10	13 0	12 53	13 15	19 32		n.a.
F 17	4 47	17 10	5 1	7 38	0 37	14 35	2 7	8 5	2 26	12 20	0 43	22 59	0 20	11 38	0 49	3 47	2 3	32 10	12 59	12 51	13 14	19 32		n.a.
S 18	4 23	14 43	5 9	8 14	0 17	15 2	2 11	8 4	2 25	12 24	0 43	22 59	0 20	11 39	0 49	3 46	2 3	32 10	12 59	12 49	13 13	19 32		n.a.
S 19	3 59	11 31	5 2	8 45	0n 2	15 29	2 15	8 3	2 23	12 28	0 43	22 59	0 20	11 40	0 49	3 45	2 3	32 10	12 59	12 47	13 12	19 32		n.a.
M20	3 35	7 41	4 39	9 11	0 20	15 55	2 18	8 1	2 21	12 32	0 43	23 0	0 19	11 40	0 49	3 45	2 3	32 10	12 59	12 44	13 11	19 32		n.a.
T 21	3 11	3 23	4 1	9 32	0 37	16 21	2 22	7 59	2 20	12 36	0 43	23 0	0 19	11 41	0 49	3 44	2 3	32 10	12 59	12 42	13 9	19 32		n.a.
W22	2 47	1n11	3 8	9 47	0 53	16 47	2 26	7 56	2 18	12 41	0 42	23 0	0 19	11 42	0 49	3 43	2 3	32 10	12 59	12 40	13 8	19 32		n.a.
T 23	2 23	5 46	2 3	9 57	1 7	17 13	2 29	7 54	2 16	12 45	0 42	23 0	0 19	11 43	0 49	3 43	2 3	32 10	12 58	12 38	13 7	19 32		n.a.
F 24	1 59	10 6	0 49	10 1	1 19	17 37	2 33	7 51	2 14	12 49	0 42	23 1	0 19	11 44	0 49	3 42	2 3	32 10	12 58	12 37	13 6	19 32		n.a.
S 25	1 35	13 54	0s28	10 0	1 30	18 2	2 36	7 48	2 12	12 53	0 42	23 1	0 19	11 44	0 49	3 42	2 3	32 10	12 58	12 37	13 5	19 33		n.a.
S 26	1 11	16 53	1 44	9 54	1 40	18 26	2 40	7 44	2 10	12 57	0 42	23 1	0 19	11 45	0 49	3 41	2 3	32 10	12 58	12 38	13 4	19 33		n.a.
M27	0 47	18 49	2 53	9 43	1 47	18 50	2 43	7 41	2 8	13 1	0 42	23 2	0 19	11 46	0 49	3 40	2 3	32 10	12 57	12 38	13 3	19 33		n.a.
T 28	0 23	19 33	3 52	9 28	1 54	19 13	2 46	7 37	2 5	13 5	0 41	23 2	0 19	11 47	0 49	3 40	2 3	32 10	12 57	12 39	13 2	19 33		n.a.
W29	0s 1	19 4	4 36	9 9	1 59	19 36	2 49	7 33	2 3	13 10	0 41	23 2	0 18	11 47	0 49	3 39	2 3	32 10	12 57	12 39	13 1	19 33		n.a.
T 30	0s26	17n24	5s 3	8n47	2n 3	19s58	2s52	7n29	2s 1	13s14	0n41	23s 3	0n18	11s48	0s49	3n38	2s 3	32s10	12s57	12s38	13s 0	19s33		n.a.

Julian Day Number = 1566069.5, Delta T = 04h20m53s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'47, Lahiri = - 9°49'46 Julian Calendar 1 Sept. 426 BCE == Greg. Calendar 27 Aug. 426 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

OCTOBER 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 15 11	2♎ 3'59	2♌45	13♍52	18♏25	23°R30	6♏46	19♐52	1°R34	13°R49	3°R29	2°R52	3♏54	15♐39	n.a.	F 1
S 2	0 19 8	3° 4'15	16°32	15° 9	19°31	23♈11	6°58	19°55	1♓32	13♈47	3♒29	2♏48	3°50	15°45	n.a.	S 2
S 3	0 23 5	4° 4'33	0♍ 8	16°29	20°36	22°52	7°11	19°58	1°30	13°46	3°28	2°44	3°47	15°52	n.a.	S 3
M 4	0 27 1	5° 4'53	13°32	17°52	21°42	22°32	7°23	20° 2	1°28	13°44	3°28	2°39	3°44	15°59	n.a.	M 4
T 5	0 30 58	6° 5'15	26°41	19°18	22°47	22°12	7°36	20° 5	1°26	13°42	3°27	2°35	3°41	16° 5	n.a.	T 5
W 6	0 34 54	7° 5'38	9♎35	20°46	23°52	21°51	7°48	20° 9	1°24	13°41	3°27	2°32	3°38	16°12	n.a.	W 6
T 7	0 38 51	8° 6'04	22°14	22°16	24°56	21°30	8° 1	20°12	1°22	13°39	3°26	2°30	3°35	16°19	n.a.	T 7
F 8	0 42 47	9° 6'31	4♏38	23°48	26° 1	21° 9	8°14	20°16	1°21	13°37	3°26	2°D30	3°31	16°25	n.a.	F 8
S 9	0 46 44	10° 7'00	16°48	25°20	27° 5	20°47	8°27	20°20	1°19	13°36	3°25	2°31	3°28	16°32	n.a.	S 9
S 10	0 50 40	11° 7'31	28°48	26°54	28° 9	20°25	8°39	20°23	1°17	13°34	3°25	2°32	3°25	16°39	n.a.	S 10
M11	0 54 37	12° 8'03	10♐41	28°28	29°13	20° 3	8°52	20°27	1°15	13°32	3°25	2°34	3°22	16°45	n.a.	M11
T 12	0 58 34	13° 8'37	22°31	0♎ 3	0♐16	19°40	9° 5	20°31	1°14	13°31	3°24	2°35	3°19	16°52	n.a.	T 12
W13	1 2 30	14° 9'12	4♑21	1°38	1°19	19°18	9°18	20°35	1°12	13°29	3°24	2°36	3°15	16°59	n.a.	W13
T 14	1 6 27	15° 9'48	16°18	3°14	2°22	18°55	9°31	20°40	1°11	13°27	3°24	2°R37	3°12	17° 6	n.a.	T 14
F 15	1 10 23	16°10'26	28°26	4°50	3°24	18°33	9°44	20°44	1° 9	13°25	3°24	2°36	3° 9	17°12	n.a.	F 15
S 16	1 14 20	17°11'05	10♒50	6°26	4°27	18°10	9°57	20°48	1° 8	13°24	3°23	2°35	3° 6	17°19	n.a.	S 16
S 17	1 18 16	18°11'46	23°33	8° 2	5°28	17°48	10°10	20°53	1° 6	13°22	3°23	2°33	3° 3	17°26	n.a.	S 17
M18	1 22 13	19°12'27	6♓38	9°38	6°30	17°26	10°24	20°57	1° 5	13°20	3°23	2°31	3° 0	17°32	n.a.	M18
T 19	1 26 9	20°13'10	20° 8	11°14	7°31	17° 3	10°37	21° 2	1° 4	13°19	3°23	2°29	2°56	17°39	n.a.	T 19
W20	1 30 6	21°13'54	4♈ 0	12°49	8°32	16°42	10°50	21° 6	1° 2	13°17	3°23	2°28	2°53	17°46	n.a.	W20
T 21	1 34 2	22°14'40	18°13	14°25	9°32	16°20	11° 3	21°11	1° 1	13°15	3°23	2°27	2°50	17°52	n.a.	T 21
F 22	1 37 59	23°15'27	2♉43	16° 1	10°32	15°59	11°17	21°16	1° 0	13°14	3°23	2°D27	2°47	17°59	n.a.	F 22
S 23	1 41 56	24°16'16	17°23	17°36	11°31	15°38	11°30	21°20	0°59	13°12	3°D23	2°27	2°44	18° 6	n.a.	S 23
S 24	1 45 52	25°17'06	2♊ 6	19°12	12°31	15°18	11°43	21°25	0°57	13°10	3°23	2°28	2°41	18°12	n.a.	S 24
M25	1 49 49	26°17'57	16°46	20°47	13°29	14°58	11°57	21°30	0°56	13° 9	3°23	2°28	2°37	18°19	n.a.	M25
T 26	1 53 45	27°18'51	1♋17	22°22	14°27	14°39	12°10	21°35	0°55	13° 7	3°23	2°29	2°34	18°26	n.a.	T 26
W27	1 57 42	28°19'45	15°36	23°57	15°25	14°20	12°24	21°41	0°54	13° 5	3°23	2°29	2°31	18°32	n.a.	W27
T 28	2 1 38	29°20'42	29°39	25°32	16°22	14° 1	12°37	21°46	0°53	13° 4	3°23	2°R29	2°28	18°39	n.a.	T 28
F 29	2 5 35	0♏21'39	13♌26	27° 7	17°19	13°44	12°51	21°51	0°52	13° 2	3°23	2°29	2°25	18°46	n.a.	F 29
S 30	2 9 32	1°22'39	26°56	28°41	18°15	13°27	13° 4	21°56	0°52	13° 1	3°23	2°29	2°21	18°53	n.a.	S 30
S 31	2 13 28	2♏23'39	10♍10	0♏16	19♐11	13♈10	13♏18	22♐ 2	0♓51	12♈59	3♒23	2°D29	2♏18	18♐59	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s50	14n43	5s13	8n21	2n 6	20s20	2s55	7n25	1s58	13s18	0n41	23s 3	0n18	11s49	0s49	3n38	2s 3	32s10	12s56	12s37	12s59	19s33		n.a.
S 2	1 14	11 15	5 4	7 53	2 7	20 41	2 58	7 20	1 56	13 22	0 41	23 3	0 18	11 49	0 49	3 37	2 3	32 10	12 56	12 36	12 57	19 33		n.a.
S 3	1 38	7 14	4 38	7 22	2 8	21 2	3 1	7 15	1 53	13 27	0 41	23 4	0 18	11 50	0 49	3 36	2 3	32 9	12 56	12 34	12 56	19 33		n.a.
M 4	2 3	2 55	3 57	6 49	2 8	21 23	3 4	7 10	1 51	13 31	0 41	23 4	0 18	11 51	0 49	3 36	2 3	32 9	12 56	12 33	12 55	19 33		n.a.
T 5	2 27	1s29	3 4	6 14	2 7	21 43	3 7	7 5	1 48	13 35	0 40	23 4	0 18	11 51	0 49	3 35	2 3	32 9	12 56	12 31	12 54	19 33		n.a.
W 6	2 51	5 43	2 3	5 37	2 5	22 2	3 9	7 0	1 45	13 39	0 40	23 5	0 18	11 52	0 49	3 34	2 3	32 9	12 55	12 30	12 53	19 33		n.a.
T 7	3 15	9 38	0 56	4 59	2 3	22 21	3 12	6 54	1 42	13 44	0 40	23 5	0 18	11 53	0 49	3 34	2 3	32 9	12 55	12 30	12 52	19 33		n.a.
F 8	3 39	13 3	0n12	4 20	2 0	22 39	3 14	6 49	1 40	13 48	0 40	23 6	0 17	11 53	0 49	3 33	2 3	32 9	12 55	12 30	12 51	19 33		n.a.
S 9	4 3	15 49	1 18	3 39	1 57	22 57	3 17	6 43	1 37	13 52	0 40	23 6	0 17	11 54	0 49	3 32	2 4	32 9	12 55	12 30	12 50	19 33		n.a.
S 10	4 27	17 52	2 20	2 58	1 53	23 14	3 19	6 38	1 34	13 56	0 40	23 6	0 17	11 55	0 49	3 32	2 4	32 9	12 54	12 30	12 49	19 33		n.a.
M11	4 51	19 6	3 16	2 16	1 49	23 30	3 21	6 32	1 31	14 1	0 40	23 7	0 17	11 55	0 48	3 31	2 4	32 8	12 54	12 31	12 48	19 33		n.a.
T 12	5 15	19 30	4 2	1 34	1 44	23 46	3 23	6 26	1 28	14 5	0 39	23 7	0 17	11 56	0 48	3 30	2 4	32 8	12 54	12 32	12 47	19 33		n.a.
W13	5 39	19 2	4 39	0 51	1 39	24 2	3 25	6 21	1 25	14 9	0 39	23 7	0 17	11 56	0 48	3 30	2 4	32 8	12 53	12 32	12 45	19 33		n.a.
T 14	6 3	17 43	5 4	0 8	1 34	24 16	3 27	6 15	1 22	14 14	0 39	23 8	0 17	11 57	0 48	3 29	2 4	32 8	12 53	12 32	12 44	19 33		n.a.
F 15	6 26	15 35	5 16	0s36	1 28	24 31	3 28	6 9	1 19	14 18	0 39	23 8	0 17	11 57	0 48	3 28	2 4	32 8	12 53	12 32	12 43	19 33		n.a.
S 16	6 50	12 43	5 13	1 19	1 23	24 44	3 30	6 3	1 15	14 22	0 39	23 9	0 17	11 58	0 48	3 28	2 3	32 7	12 53	12 31	12 42	19 33		n.a.
S 17	7 13	9 12	4 56	2 3	1 17	24 57	3 31	5 57	1 12	14 27	0 39	23 9	0 17	11 58	0 48	3 27	2 3	32 7	12 52	12 31	12 41	19 33		n.a.
M18	7 37	5 8	4 22	2 47	1 11	25 9	3 32	5 52	1 9	14 31	0 39	23 10	0 16	11 59	0 48	3 26	2 3	32 7	12 52	12 30	12 40	19 33		n.a.
T 19	8 0	0 41	3 34	3 31	1 4	25 21	3 34	5 46	1 6	14 35	0 39	23 10	0 16	11 59	0 48	3 26	2 3	32 7	12 52	12 30	12 39	19 33		n.a.
W20	8 23	3n55	2 31	4 14	0 58	25 32	3 35	5 41	1 3	14 39	0 38	23 10	0 16	12 0	0 48	3 25	2 3	32 7	12 52	12 29	12 38	19 33		n.a.
T 21	8 46	8 26	1 18	4 58	0 52	25 43	3 35	5 35	1 0	14 44	0 38	23 11	0 16	12 0	0 48	3 24	2 3	32 6	12 51	12 29	12 37	19 33		n.a.
F 22	9 9	12 33	0s 1	5 41	0 45	25 52	3 36	5 30	0 56	14 48	0 38	23 11	0 16	12 0	0 48	3 24	2 3	32 6	12 51	12 29	12 36	19 33		n.a.
S 23	9 32	15 55	1 22	6 24	0 39	26 2	3 37	5 25	0 53	14 52	0 38	23 12	0 16	12 1	0 48	3 23	2 3	32 6	12 51	12 29	12 34	19 33		n.a.
S 24	9 54	18 16	2 37	7 7	0 32	26 10	3 37	5 20	0 50	14 57	0 38	23 12	0 16	12 1	0 48	3 22	2 3	32 5	12 50	12 29	12 33	19 33		n.a.
M25	10 17	19 24	3 42	7 49	0 25	26 18	3 37	5 15	0 47	15 1	0 38	23 12	0 16	12 2	0 48	3 22	2 3	32 5	12 50	12 29	12 32	19 33		n.a.
T 26	10 39	19 12	4 32	8 31	0 19	26 25	3 37	5 10	0 44	15 5	0 38	23 13	0 16	12 2	0 48	3 21	2 3	32 5	12 50	12 29	12 31	19 33		n.a.
W27	11 1	17 47	5 4	9 13	0 12	26 32	3 37	5 6	0 41	15 9	0 38	23 13	0 16	12 2	0 48	3 21	2 3	32 5	12 50	12 29	12 30	19 33		n.a.
T 28	11 23	15 19	5 17	9 54	0 6	26 38	3 37	5 1	0 38	15 14	0 38	23 14	0 15	12 3	0 48	3 20	2 3	32 4	12 49	12 29	12 29	19 33		n.a.
F 29	11 45	12 1	5 12	10 35	0s 1	26 43	3 36	4 57	0 35	15 18	0 37	23 14	0 15	12 3	0 48	3 19	2 3	32 4	12 49	12 29	12 28	19 33		n.a.
S 30	12 6	8 10	4 49	11 16	0 8	26 48	3 36	4 53	0 32	15 22	0 37	23 15	0 15	12 3	0 48	3 19	2 3	32 4	12 49	12 29	12 27	19 33		n.a.
S 31	12s27	3n58	4s12	11s56	0s14	26s52	3s35	4n50	0s29	15s26	0n37	23s15	0n15	12s 3	0s48	3n18	2s 3	32s 3	12s49	12s29	12s26	19s33		n.a.

Julian Day Number = 1566099.5, Delta T = 04h20m52s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'42, Lahiri = - 9°49'42 Julian Calendar 1 Oct. 426 BCE == Greg. Calendar 26 Sept. 426 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

NOVEMBER 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 17 25	3♏24'41	23♍ 9	1♏50	20♐ 6	12°R54	13♏31	22♐ 7	0°R50	12°R57	3♒24	2♏29	2♏15	19♐ 6	n.a.	M 1
T 2	2 21 21	4°25'44	5♎55	3°25	21° 0	12♈39	13°45	22°13	0♓49	12♈56	3°24	2°29	2°12	19°13	n.a.	T 2
W 3	2 25 18	5°26'48	18°28	4°59	21°54	12°25	13°58	22°18	0°49	12°54	3°24	2°29	2° 9	19°19	n.a.	W 3
T 4	2 29 14	6°27'54	0♏50	6°34	22°47	12°12	14°12	22°24	0°48	12°53	3°24	2°R30	2° 6	19°26	n.a.	T 4
F 5	2 33 11	7°29'00	13° 2	8° 8	23°39	11°59	14°26	22°29	0°47	12°51	3°25	2°30	2° 2	19°33	n.a.	F 5
S 6	2 37 7	8°30'07	25° 4	9°42	24°31	11°47	14°39	22°35	0°47	12°50	3°25	2°29	1°59	19°39	n.a.	S 6
S 7	2 41 4	9°31'16	7♐ 0	11°17	25°22	11°36	14°53	22°41	0°46	12°48	3°25	2°28	1°56	19°46	n.a.	S 7
M 8	2 45 1	10°32'24	18°52	12°51	26°12	11°25	15° 7	22°47	0°46	12°47	3°26	2°27	1°53	19°53	n.a.	M 8
T 9	2 48 57	11°33'34	0♑41	14°25	27° 2	11°16	15°20	22°53	0°46	12°45	3°26	2°26	1°50	19°59	n.a.	T 9
W10	2 52 54	12°34'44	12°31	16° 0	27°50	11° 7	15°34	22°59	0°45	12°44	3°27	2°25	1°46	20° 6	n.a.	W10
T 11	2 56 50	13°35'55	24°27	17°35	28°38	10°59	15°48	23° 5	0°45	12°42	3°27	2°23	1°43	20°13	n.a.	T 11
F 12	3 0 47	14°37'06	6♒32	19° 9	29°25	10°52	16° 2	23°11	0°45	12°41	3°28	2°23	1°40	20°19	n.a.	F 12
S 13	3 4 43	15°38'17	18°50	20°44	0♑11	10°46	16°15	23°17	0°45	12°40	3°28	2°D23	1°37	20°26	n.a.	S 13
S 14	3 8 40	16°39'29	1♓27	22°19	0°56	10°41	16°29	23°23	0°45	12°38	3°29	2°23	1°34	20°33	n.a.	S 14
M15	3 12 36	17°40'41	14°27	23°54	1°39	10°36	16°43	23°29	0°45	12°37	3°29	2°24	1°31	20°40	n.a.	M15
T 16	3 16 33	18°41'53	27°52	25°29	2°22	10°32	16°56	23°35	0°D45	12°36	3°30	2°25	1°27	20°46	n.a.	T 16
W17	3 20 30	19°43'06	11♈44	27° 4	3° 4	10°30	17°10	23°42	0°45	12°34	3°30	2°27	1°24	20°53	n.a.	W17
T 18	3 24 26	20°44'18	26° 2	28°39	3°44	10°28	17°24	23°48	0°45	12°33	3°31	2°R27	1°21	21° 0	n.a.	T 18
F 19	3 28 23	21°45'31	10♉44	0♐15	4°23	10°26	17°38	23°54	0°45	12°32	3°32	2°27	1°18	21° 6	n.a.	F 19
S 20	3 32 19	22°46'45	25°43	1°50	5° 1	10°D26	17°51	24° 1	0°45	12°31	3°32	2°26	1°15	21°13	n.a.	S 20
S 21	3 36 16	23°47'59	10♊51	3°26	5°38	10°26	18° 5	24° 7	0°45	12°30	3°33	2°24	1°12	21°20	n.a.	S 21
M22	3 40 12	24°49'13	25°58	5° 2	6°13	10°27	18°19	24°14	0°46	12°28	3°34	2°21	1° 8	21°26	n.a.	M22
T 23	3 44 9	25°50'28	10♋54	6°37	6°47	10°29	18°32	24°20	0°46	12°27	3°35	2°18	1° 5	21°33	n.a.	T 23
W24	3 48 5	26°51'43	25°33	8°13	7°19	10°32	18°46	24°27	0°46	12°26	3°35	2°15	1° 2	21°40	n.a.	W24
T 25	3 52 2	27°52'59	9♌50	9°49	7°50	10°35	19° 0	24°33	0°47	12°25	3°36	2°13	0°59	21°46	n.a.	T 25
F 26	3 55 59	28°54'15	23°41	11°24	8°19	10°39	19°13	24°40	0°47	12°24	3°37	2°D11	0°56	21°53	n.a.	F 26
S 27	3 59 55	29°55'31	7♍ 8	13° 0	8°47	10°44	19°27	24°47	0°48	12°23	3°38	2°11	0°52	22° 0	n.a.	S 27
S 28	4 3 52	0♐56'48	20°13	14°35	9°12	10°49	19°41	24°53	0°49	12°22	3°39	2°13	0°49	22° 7	n.a.	S 28
M29	4 7 48	1°58'05	2♎58	16° 9	9°36	10°55	19°54	25° 0	0°49	12°21	3°40	2°14	0°46	22°13	n.a.	M29
T 30	4 11 45	2♐59'22	15♎27	17♐43	9♑59	11♈ 2	20♏ 8	25♐ 7	0♓50	12♈20	3♒41	2♏16	0♏43	22♐20	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s49	0s20	3s22	12s35	0s21	26s55	3s34	4n46	0s26	15s30	0n37	23s15	0n15	12s 4	0s48	3n17	2s 3	32s 3	12s48	12s29	12s24	19s33		n.a.
T 2	13 10	4 33	2 22	13 14	0 27	26 58	3 32	4 43	0 23	15 35	0 37	23 16	0 15	12 4	0 48	3 17	2 3	32 3	12 48	12 29	12 23	19 33		n.a.
W 3	13 30	8 31	1 17	13 52	0 33	27 0	3 31	4 40	0 20	15 39	0 37	23 16	0 15	12 4	0 48	3 16	2 3	32 2	12 48	12 30	12 22	19 33		n.a.
T 4	13 51	12 3	0 9	14 30	0 40	27 1	3 29	4 37	0 17	15 43	0 37	23 17	0 15	12 4	0 48	3 16	2 3	32 2	12 47	12 30	12 21	19 32		n.a.
F 5	14 11	15 1	0n58	15 7	0 46	27 2	3 27	4 35	0 14	15 47	0 37	23 17	0 15	12 4	0 48	3 15	2 3	32 2	12 47	12 30	12 20	19 32		n.a.
S 6	14 31	17 18	2 2	15 43	0 52	27 3	3 25	4 33	0 11	15 51	0 37	23 17	0 15	12 5	0 48	3 15	2 3	32 1	12 47	12 29	12 19	19 32		n.a.
S 7	14 51	18 48	3 0	16 19	0 58	27 2	3 23	4 31	0 9	15 56	0 37	23 18	0 14	12 5	0 48	3 14	2 3	32 1	12 47	12 29	12 18	19 32		n.a.
M 8	15 10	19 27	3 50	16 54	1 3	27 1	3 20	4 29	0 6	16 0	0 36	23 18	0 14	12 5	0 47	3 14	2 3	32 1	12 46	12 29	12 17	19 32		n.a.
T 9	15 30	19 15	4 30	17 28	1 9	27 0	3 17	4 28	0 3	16 4	0 36	23 19	0 14	12 5	0 47	3 13	2 3	32 0	12 46	12 28	12 16	19 32		n.a.
W10	15 49	18 12	4 58	18 1	1 14	26 58	3 14	4 27	0 1	16 8	0 36	23 19	0 14	12 5	0 47	3 12	2 3	32 0	12 46	12 28	12 14	19 32		n.a.
T 11	16 7	16 21	5 14	18 34	1 20	26 55	3 11	4 26	0n 2	16 12	0 36	23 20	0 14	12 5	0 47	3 12	2 3	32 0	12 46	12 27	12 13	19 32		n.a.
F 12	16 26	13 47	5 16	19 6	1 25	26 52	3 7	4 25	0 4	16 16	0 36	23 20	0 14	12 5	0 47	3 11	2 3	31 59	12 45	12 27	12 12	19 32		n.a.
S 13	16 44	10 33	5 4	19 36	1 30	26 48	3 3	4 25	0 7	16 20	0 36	23 20	0 14	12 5	0 47	3 11	2 3	31 59	12 45	12 27	12 11	19 32		n.a.
S 14	17 2	6 47	4 37	20 6	1 35	26 44	2 59	4 25	0 9	16 24	0 36	23 21	0 14	12 5	0 47	3 10	2 3	31 58	12 45	12 27	12 10	19 32		n.a.
M15	17 19	2 35	3 56	20 35	1 39	26 39	2 55	4 25	0 11	16 28	0 36	23 21	0 14	12 5	0 47	3 10	2 3	31 58	12 44	12 28	12 9	19 31		n.a.
T 16	17 36	1n53	3 0	21 3	1 43	26 33	2 50	4 26	0 14	16 32	0 36	23 22	0 14	12 5	0 47	3 9	2 3	31 58	12 44	12 28	12 8	19 31		n.a.
W17	17 53	6 25	1 52	21 30	1 47	26 27	2 45	4 27	0 16	16 36	0 36	23 22	0 14	12 5	0 47	3 9	2 3	31 57	12 44	12 29	12 7	19 31		n.a.
T 18	18 10	10 44	0 35	21 55	1 51	26 21	2 40	4 28	0 18	16 40	0 36	23 22	0 14	12 5	0 47	3 9	2 3	31 57	12 44	12 29	12 6	19 31		n.a.
F 19	18 26	14 31	0s46	22 20	1 55	26 14	2 34	4 30	0 20	16 44	0 35	23 23	0 13	12 5	0 47	3 8	2 3	31 56	12 43	12 29	12 4	19 31		n.a.
S 20	18 42	17 25	2 5	22 43	1 58	26 7	2 28	4 31	0 22	16 48	0 35	23 23	0 13	12 5	0 47	3 8	2 3	31 56	12 43	12 28	12 3	19 31		n.a.
S 21	18 58	19 7	3 16	23 5	2 1	25 59	2 22	4 33	0 24	16 52	0 35	23 23	0 13	12 5	0 47	3 7	2 2	31 55	12 43	12 28	12 2	19 31		n.a.
M22	19 13	19 27	4 14	23 26	2 3	25 51	2 15	4 36	0 26	16 56	0 35	23 24	0 13	12 4	0 47	3 7	2 2	31 55	12 43	12 27	12 1	19 31		n.a.
T 23	19 28	18 25	4 53	23 45	2 5	25 42	2 8	4 38	0 28	17 0	0 35	23 24	0 13	12 4	0 47	3 6	2 2	31 55	12 42	12 25	12 0	19 30		n.a.
W24	19 42	16 11	5 12	24 3	2 7	25 33	2 1	4 41	0 30	17 4	0 35	23 25	0 13	12 4	0 47	3 6	2 2	31 54	12 42	12 24	11 59	19 30		n.a.
T 25	19 56	13 0	5 12	24 19	2 8	25 24	1 53	4 44	0 32	17 8	0 35	23 25	0 13	12 4	0 47	3 6	2 2	31 54	12 42	12 24	11 58	19 30		n.a.
F 26	20 10	9 11	4 53	24 34	2 9	25 14	1 45	4 47	0 34	17 12	0 35	23 25	0 13	12 4	0 47	3 5	2 2	31 53	12 42	12 23	11 57	19 30		n.a.
S 27	20 24	5 1	4 18	24 48	2 10	25 4	1 37	4 51	0 36	17 15	0 35	23 26	0 13	12 3	0 47	3 5	2 2	31 53	12 41	12 23	11 55	19 30		n.a.
S 28	20 37	0 42	3 31	24 59	2 10	24 53	1 28	4 54	0 37	17 19	0 35	23 26	0 13	12 3	0 47	3 5	2 2	31 52	12 41	12 24	11 54	19 30		n.a.
M29	20 49	3s33	2 34	25 9	2 9	24 42	1 19	4 58	0 39	17 23	0 35	23 26	0 13	12 3	0 47	3 4	2 2	31 52	12 41	12 24	11 53	19 29		n.a.
T 30	21s 1	7s33	1s31	25s18	2s 8	24s31	1s10	5n 3	0n41	17s27	0n35	23s27	0n12	12s 2	0s47	3n 4	2s 2	31s51	12s41	12s25	11s52	19s29		n.a.

Julian Day Number = 1566130.5, Delta T = 04h20m51s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'38, Lahiri = - 9°49'38 Julian Calendar 1 Nov. 426 BCE == Greg. Calendar 27 Oct. 426 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 426 BCE
geocentric

DECEMBER 426 BCE (-425) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 15 41	4♐ 0'39	27♎43	19♐17	10♑19	11♈10	20♏21	25♐14	0♓51	12°R19	3♒42	2°R17	0♏40	22♐27	n.a.	W 1
T 2	4 19 38	5° 1'57	9♏50	20°49	10°37	11°18	20°35	25°21	0°52	12♈18	3°43	2♏17	0°37	22°33	n.a.	T 2
F 3	4 23 34	6° 3'14	21°50	22°21	10°53	11°27	20°48	25°27	0°53	12°17	3°44	2°15	0°33	22°40	n.a.	F 3
S 4	4 27 31	7° 4'32	3♐45	23°51	11° 7	11°37	21° 2	25°34	0°53	12°16	3°45	2°11	0°30	22°47	n.a.	S 4
S 5	4 31 28	8° 5'49	15°37	25°19	11°19	11°47	21°15	25°41	0°54	12°16	3°46	2° 6	0°27	22°53	n.a.	S 5
M 6	4 35 24	9° 7'06	27°27	26°45	11°29	11°57	21°29	25°48	0°55	12°15	3°47	1°59	0°24	23° 0	n.a.	M 6
T 7	4 39 21	10° 8'22	9♑18	28° 9	11°36	12° 9	21°42	25°55	0°57	12°14	3°48	1°51	0°21	23° 7	n.a.	T 7
W 8	4 43 17	11° 9'38	21°10	29°30	11°41	12°21	21°56	26° 2	0°58	12°13	3°49	1°44	0°18	23°13	n.a.	W 8
T 9	4 47 14	12°10'54	3♒ 8	0♑48	11°44	12°33	22° 9	26° 9	0°59	12°13	3°50	1°37	0°14	23°20	n.a.	T 9
F 10	4 51 10	13°12'09	15°13	2° 1	11°R44	12°46	22°22	26°16	1° 0	12°12	3°51	1°31	0°11	23°27	n.a.	F 10
S 11	4 55 7	14°13'23	27°30	3°10	11°41	13° 0	22°35	26°23	1° 1	12°11	3°52	1°28	0° 8	23°34	n.a.	S 11
S 12	4 59 4	15°14'36	10♓ 1	4°13	11°37	13°14	22°49	26°30	1° 3	12°11	3°53	1°D26	0° 5	23°40	n.a.	S 12
M13	5 3 0	16°15'48	22°52	5°10	11°29	13°29	23° 2	26°37	1° 4	12°10	3°54	1°26	0° 2	23°47	n.a.	M13
T 14	5 6 57	17°17'00	6♈ 7	6° 0	11°19	13°44	23°15	26°44	1° 5	12°10	3°56	1°27	29♎58	23°54	n.a.	T 14
W15	5 10 53	18°18'11	19°48	6°41	11° 7	14° 0	23°28	26°51	1° 7	12° 9	3°57	1°28	29°55	24° 0	n.a.	W15
T 16	5 14 50	19°19'20	3♉57	7°14	10°52	14°16	23°41	26°58	1° 8	12° 9	3°58	1°R29	29°52	24° 7	n.a.	T 16
F 17	5 18 46	20°20'29	18°33	7°37	10°34	14°33	23°54	27° 5	1°10	12° 8	3°59	1°28	29°49	24°14	n.a.	F 17
S 18	5 22 43	21°21'37	3♊33	7°50	10°14	14°50	24° 7	27°13	1°12	12° 8	4° 1	1°24	29°46	24°20	n.a.	S 18
S 19	5 26 39	22°22'44	18°48	7°R51	9°52	15° 8	24°20	27°20	1°13	12° 8	4° 2	1°18	29°43	24°27	n.a.	S 19
M20	5 30 36	23°23'51	4♋ 9	7°41	9°27	15°26	24°33	27°27	1°15	12° 7	4° 3	1°11	29°39	24°34	n.a.	M20
T 21	5 34 33	24°24'56	19°24	7°19	9° 0	15°44	24°46	27°34	1°17	12° 7	4° 5	1° 2	29°36	24°41	n.a.	T 21
W22	5 38 29	25°26'01	4♌22	6°46	8°32	16° 3	24°59	27°41	1°19	12° 7	4° 6	0°54	29°33	24°47	n.a.	W22
T 23	5 42 26	26°27'05	18°55	6° 2	8° 1	16°22	25°12	27°48	1°20	12° 7	4° 7	0°47	29°30	24°54	n.a.	T 23
F 24	5 46 22	27°28'08	3♍ 0	5° 8	7°29	16°42	25°24	27°55	1°22	12° 6	4° 9	0°42	29°27	25° 1	n.a.	F 24
S 25	5 50 19	28°29'11	16°35	4° 6	6°56	17° 2	25°37	28° 2	1°24	12° 6	4°10	0°39	29°24	25° 7	n.a.	S 25
S 26	5 54 15	29°30'13	29°41	2°58	6°21	17°22	25°50	28°10	1°26	12° 6	4°11	0°D38	29°20	25°14	n.a.	S 26
M27	5 58 12	0♑31'14	12♎24	1°45	5°45	17°43	26° 2	28°17	1°28	12° 6	4°13	0°39	29°17	25°21	n.a.	M27
T 28	6 2 8	1°32'14	24°47	0°30	5° 9	18° 4	26°15	28°24	1°30	12° 6	4°14	0°R40	29°14	25°27	n.a.	T 28
W29	6 6 5	2°33'13	6♏56	29♐15	4°32	18°26	26°27	28°31	1°32	12°D 6	4°16	0°39	29°11	25°34	n.a.	W29
T 30	6 10 2	3°34'12	18°54	28° 2	3°55	18°48	26°39	28°38	1°34	12° 6	4°17	0°38	29° 8	25°41	n.a.	T 30
F 31	6 13 58	4♑35'09	0♐47	26♐54	3♑18	19♈10	26♏52	28♐45	1♓37	12♈ 6	4♒18	0♏33	29♎ 4	25♐48	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	21s13	11s11	0s25	25s24	2s 6	24s20	1s 0	5n 7	0n42	17s31	0n35	23s27	0n12	12s 2	0s47	3n 4	2s 2	31s51	12s40	12s25	11s51	19s29			n.a.
T 2	21 25	14 18	0n41	25 29	2 4	24 8	0 49	5 12	0 44	17 34	0 34	23 27	0 12	12 2	0 47	3 3	2 2	31 50	12 40	12 25	11 50	19 29			n.a.
F 3	21 36	16 46	1 45	25 32	2 1	23 56	0 39	5 17	0 45	17 38	0 34	23 28	0 12	12 1	0 46	3 3	2 2	31 50	12 40	12 24	11 49	19 29			n.a.
S 4	21 46	18 30	2 43	25 33	1 57	23 44	0 28	5 22	0 47	17 42	0 34	23 28	0 12	12 1	0 46	3 3	2 2	31 50	12 40	12 23	11 48	19 29			n.a.
S 5	21 56	19 24	3 34	25 32	1 52	23 32	0 16	5 27	0 48	17 45	0 34	23 28	0 12	12 1	0 46	3 2	2 2	31 49	12 40	12 21	11 46	19 28			n.a.
M 6	22 6	19 27	4 16	25 29	1 47	23 19	0 4	5 33	0 50	17 49	0 34	23 29	0 12	12 0	0 46	3 2	2 2	31 49	12 39	12 19	11 45	19 28			n.a.
T 7	22 15	18 39	4 46	25 25	1 41	23 6	0n 8	5 38	0 51	17 52	0 34	23 29	0 12	12 0	0 46	3 2	2 2	31 48	12 39	12 16	11 44	19 28			n.a.
W 8	22 24	17 2	5 4	25 18	1 33	22 53	0 20	5 44	0 52	17 56	0 34	23 29	0 12	11 59	0 46	3 2	2 2	31 48	12 39	12 13	11 43	19 28			n.a.
T 9	22 32	14 41	5 9	25 10	1 25	22 40	0 33	5 50	0 53	17 59	0 34	23 29	0 12	11 59	0 46	3 2	2 1	31 47	12 39	12 11	11 42	19 28			n.a.
F 10	22 40	11 41	5 1	25 0	1 16	22 27	0 47	5 57	0 55	18 3	0 34	23 30	0 12	11 59	0 46	3 1	2 1	31 47	12 38	12 9	11 41	19 27			n.a.
S 11	22 48	8 8	4 38	24 48	1 6	22 13	1 0	6 3	0 56	18 6	0 34	23 30	0 12	11 58	0 46	3 1	2 1	31 46	12 38	12 8	11 40	19 27			n.a.
S 12	22 55	4 10	4 2	24 35	0 54	22 0	1 14	6 10	0 57	18 10	0 34	23 30	0 12	11 58	0 46	3 1	2 1	31 46	12 38	12 7	11 39	19 27			n.a.
M13	23 2	0n 6	3 13	24 20	0 42	21 46	1 29	6 17	0 58	18 13	0 34	23 31	0 11	11 57	0 46	3 1	2 1	31 45	12 38	12 7	11 37	19 27			n.a.
T 14	23 8	4 29	2 13	24 5	0 28	21 32	1 43	6 24	0 59	18 17	0 34	23 31	0 11	11 56	0 46	3 1	2 1	31 45	12 38	12 8	11 36	19 27			n.a.
W15	23 13	8 48	1 3	23 48	0 14	21 19	1 58	6 31	1 0	18 20	0 34	23 31	0 11	11 56	0 46	3 1	2 1	31 44	12 38	12 8	11 35	19 26			n.a.
T 16	23 19	12 47	0s13	23 30	0n 2	21 5	2 13	6 38	1 1	18 24	0 34	23 31	0 11	11 55	0 46	3 0	2 1	31 44	12 37	12 8	11 34	19 26			n.a.
F 17	23 23	16 7	1 31	23 12	0 19	20 51	2 28	6 46	1 2	18 27	0 34	23 32	0 11	11 55	0 46	3 0	2 1	31 43	12 37	12 8	11 33	19 26			n.a.
S 18	23 28	18 27	2 44	22 54	0 37	20 38	2 44	6 53	1 3	18 30	0 33	23 32	0 11	11 54	0 46	3 0	2 1	31 43	12 37	12 7	11 32	19 26			n.a.
S 19	23 31	19 30	3 47	22 36	0 55	20 24	2 59	7 1	1 4	18 33	0 33	23 32	0 11	11 53	0 46	3 0	2 1	31 42	12 37	12 5	11 31	19 25			n.a.
M20	23 35	19 8	4 33	22 18	1 14	20 10	3 14	7 9	1 5	18 37	0 33	23 32	0 11	11 53	0 46	3 0	2 1	31 42	12 37	12 2	11 30	19 25			n.a.
T 21	23 37	17 22	5 0	22 0	1 33	19 57	3 30	7 17	1 6	18 40	0 33	23 32	0 11	11 52	0 46	3 0	2 1	31 41	12 36	11 59	11 28	19 25			n.a.
W22	23 40	14 28	5 6	21 43	1 52	19 43	3 45	7 25	1 7	18 43	0 33	23 33	0 11	11 51	0 46	3 0	2 1	31 41	12 36	11 56	11 27	19 25			n.a.
T 23	23 42	10 44	4 51	21 27	2 10	19 30	4 0	7 34	1 8	18 46	0 33	23 33	0 11	11 51	0 46	3 0	2 1	31 40	12 36	11 53	11 26	19 25			n.a.
F 24	23 43	6 30	4 19	21 11	2 27	19 17	4 15	7 42	1 9	18 49	0 33	23 33	0 11	11 50	0 46	3 0	2 1	31 40	12 36	11 52	11 25	19 24			n.a.
S 25	23 44	2 5	3 34	20 57	2 44	19 5	4 29	7 50	1 10	18 52	0 33	23 33	0 11	11 49	0 46	3 0	2 0	31 39	12 36	11 51	11 24	19 24			n.a.
S 26	23 45	2s17	2 38	20 44	2 58	18 52	4 44	7 59	1 10	18 55	0 33	23 33	0 10	11 49	0 46	3 0	2 0	31 39	12 36	11 50	11 23	19 24			n.a.
M27	23 45	6 26	1 36	20 33	3 11	18 40	4 57	8 8	1 11	18 58	0 33	23 34	0 10	11 48	0 46	3 0	2 0	31 38	12 36	11 51	11 22	19 23			n.a.
T 28	23 44	10 12	0 31	20 23	3 21	18 28	5 11	8 17	1 12	19 1	0 33	23 34	0 10	11 47	0 46	3 0	2 0	31 38	12 35	11 51	11 20	19 23			n.a.
W29	23 43	13 28	0n33	20 15	3 29	18 17	5 23	8 26	1 12	19 4	0 33	23 34	0 10	11 46	0 46	3 0	2 0	31 37	12 35	11 51	11 19	19 23			n.a.
T 30	23 42	16 8	1 36	20 9	3 35	18 6	5 35	8 35	1 13	19 7	0 33	23 34	0 10	11 45	0 45	3 0	2 0	31 37	12 35	11 50	11 18	19 23			n.a.
F 31	23s40	18s 4	2n33	20s 4	3n38	17s56	5n47	8n44	1n14	19s10	0n33	23s34	0n10	11s45	0s45	3n 0	2s 0	31s36	12s35	11s49	11s17	19s22			n.a.

Julian Day Number = 1566160.5, Delta T = 04h20m50s
Ecliptic obliquity = 23°44'40, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'34, Lahiri = - 9°49'34 Julian Calendar 1 Dec. 426 BCE == Greg. Calendar 26 Nov. 426 BCE

The year -425 astronomical counting style corresponds to year 426 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

JANUARY 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 17 55	5♑36'06	12♐36	25°R50	2°R41	19♈33	27♏ 4	28♐52	1♓39	12♈ 6	4♒20	0°R26	29♎ 1	25♐54	n.a.	S 1
S 2	6 21 51	6°37'01	24°26	24♐54	2♑ 4	19°55	27°16	28°59	1°41	12° 6	4°21	0♏16	28°58	26° 1	n.a.	S 2
M 3	6 25 48	7°37'55	6♑17	24° 5	1°29	20°19	27°28	29° 7	1°43	12° 7	4°23	0° 4	28°55	26° 8	n.a.	M 3
T 4	6 29 44	8°38'47	18°12	23°25	0°54	20°42	27°40	29°14	1°46	12° 7	4°24	29♎50	28°52	26°14	n.a.	T 4
W 5	6 33 41	9°39'39	0♒11	22°52	0°21	21° 6	27°52	29°21	1°48	12° 7	4°26	29°36	28°49	26°21	n.a.	W 5
T 6	6 37 38	10°40'28	12°16	22°29	29♐49	21°30	28° 4	29°28	1°50	12° 7	4°27	29°24	28°45	26°28	n.a.	T 6
F 7	6 41 34	11°41'17	24°28	22°13	29°19	21°54	28°16	29°35	1°53	12° 8	4°29	29°13	28°42	26°34	n.a.	F 7
S 8	6 45 31	12°42'03	6♓50	22° 5	28°50	22°19	28°27	29°42	1°55	12° 8	4°31	29° 5	28°39	26°41	n.a.	S 8
S 9	6 49 27	13°42'48	19°24	22°D 5	28°23	22°44	28°39	29°49	1°58	12° 8	4°32	29° 0	28°36	26°48	n.a.	S 9
M10	6 53 24	14°43'31	2♈13	22°12	27°59	23° 9	28°51	29°56	2° 0	12° 9	4°34	28°58	28°33	26°55	n.a.	M10
T 11	6 57 20	15°44'12	15°20	22°26	27°37	23°35	29° 2	0♑ 3	2° 3	12° 9	4°35	28°D57	28°30	27° 1	n.a.	T 11
W12	7 1 17	16°44'51	28°50	22°45	27°17	24° 0	29°13	0°10	2° 5	12°10	4°37	28°R57	28°26	27° 8	n.a.	W12
T 13	7 5 13	17°45'29	12♉45	23°11	26°59	24°26	29°25	0°17	2° 8	12°10	4°38	28°57	28°23	27°15	n.a.	T 13
F 14	7 9 10	18°46'04	27° 6	23°41	26°44	24°53	29°36	0°24	2°11	12°11	4°40	28°54	28°20	27°21	n.a.	F 14
S 15	7 13 6	19°46'38	11♊50	24°17	26°31	25°19	29°47	0°30	2°13	12°11	4°42	28°49	28°17	27°28	n.a.	S 15
S 16	7 17 3	20°47'10	26°53	24°57	26°20	25°46	29°58	0°37	2°16	12°12	4°43	28°41	28°14	27°35	n.a.	S 16
M17	7 21 0	21°47'40	12♋ 7	25°41	26°13	26°12	0♐ 9	0°44	2°19	12°13	4°45	28°31	28°10	27°42	n.a.	M17
T 18	7 24 56	22°48'08	27°21	26°29	26° 7	26°40	0°20	0°51	2°22	12°13	4°46	28°20	28° 7	27°48	n.a.	T 18
W19	7 28 53	23°48'35	12♌24	27°20	26° 4	27° 7	0°31	0°58	2°25	12°14	4°48	28° 8	28° 4	27°55	n.a.	W19
T 20	7 32 49	24°49'00	27° 6	28°15	26°D 4	27°34	0°41	1° 5	2°27	12°15	4°50	27°58	28° 1	28° 2	n.a.	T 20
F 21	7 36 46	25°49'23	11♍20	29°12	26° 6	28° 2	0°52	1°11	2°30	12°15	4°51	27°50	27°58	28° 8	n.a.	F 21
S 22	7 40 42	26°49'44	25° 5	0♑13	26°10	28°30	1° 3	1°18	2°33	12°16	4°53	27°45	27°55	28°15	n.a.	S 22
S 23	7 44 39	27°50'04	8♎19	1°15	26°17	28°58	1°13	1°25	2°36	12°17	4°55	27°42	27°51	28°22	n.a.	S 23
M24	7 48 35	28°50'23	21° 7	2°21	26°26	29°26	1°23	1°31	2°39	12°18	4°56	27°41	27°48	28°28	n.a.	M24
T 25	7 52 32	29°50'40	3♏33	3°28	26°37	29°54	1°33	1°38	2°42	12°19	4°58	27°41	27°45	28°35	n.a.	T 25
W26	7 56 29	0♒50'55	15°42	4°38	26°51	0♑23	1°43	1°44	2°45	12°20	4°59	27°41	27°42	28°42	n.a.	W26
T 27	8 0 25	1°51'09	27°39	5°49	27° 6	0°52	1°53	1°51	2°48	12°21	5° 1	27°39	27°39	28°49	n.a.	T 27
F 28	8 4 22	2°51'21	9♐29	7° 3	27°24	1°21	2° 3	1°57	2°51	12°22	5° 3	27°34	27°35	28°55	n.a.	F 28
S 29	8 8 18	3°51'31	21°18	8°18	27°43	1°50	2°13	2° 4	2°54	12°23	5° 4	27°27	27°32	29° 2	n.a.	S 29
S 30	8 12 15	4°51'39	3♑ 8	9°35	28° 5	2°19	2°23	2°10	2°57	12°24	5° 6	27°16	27°29	29° 9	n.a.	S 30
M31	8 16 11	5♒51'46	15♑ 2	10♑53	28♐28	2♑48	2♐32	2♑17	3♓ 0	12♈25	5♒ 8	27♎ 4	27♎26	29♐15	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s37	19s14	3n24	20s 2	3n39	17s46	5n57	8n53	1n15	19s13	0n33	23s34	0n10	11s44	0s45	3n 0	2s 0	31s36	12s35	11s46	11s16	19s22		n.a.
S 2	23 35	19 32	4 5	20 1	3 38	17 36	6 7	9 3	1 15	19 16	0 33	23 34	0 10	11 43	0 45	3 0	2 0	31 35	12 35	11 43	11 15	19 22		n.a.
M 3	23 31	19 0	4 36	20 2	3 35	17 28	6 17	9 12	1 16	19 19	0 33	23 35	0 10	11 42	0 45	3 1	2 0	31 35	12 35	11 38	11 14	19 22		n.a.
T 4	23 27	17 37	4 55	20 5	3 30	17 19	6 25	9 22	1 16	19 22	0 33	23 35	0 10	11 41	0 45	3 1	2 0	31 34	12 35	11 33	11 12	19 21		n.a.
W 5	23 23	15 28	5 1	20 10	3 23	17 12	6 33	9 31	1 17	19 24	0 33	23 35	0 10	11 40	0 45	3 1	2 0	31 34	12 35	11 28	11 11	19 21		n.a.
T 6	23 19	12 38	4 54	20 16	3 16	17 5	6 39	9 41	1 17	19 27	0 33	23 35	0 10	11 39	0 45	3 1	2 0	31 33	12 35	11 24	11 10	19 21		n.a.
F 7	23 13	9 15	4 33	20 24	3 7	16 59	6 45	9 51	1 18	19 30	0 33	23 35	0 10	11 39	0 45	3 1	2 0	31 33	12 34	11 20	11 9	19 20		n.a.
S 8	23 8	5 25	3 59	20 33	2 58	16 54	6 50	10 0	1 19	19 33	0 32	23 35	0 10	11 38	0 45	3 1	1 59	31 32	12 34	11 17	11 8	19 20		n.a.
S 9	23 2	1 18	3 13	20 43	2 48	16 49	6 55	10 10	1 19	19 35	0 32	23 35	0 9	11 37	0 45	3 2	1 59	31 32	12 34	11 15	11 7	19 20		n.a.
M10	22 55	2n58	2 17	20 53	2 38	16 45	6 58	10 20	1 20	19 38	0 32	23 35	0 9	11 36	0 45	3 2	1 59	31 31	12 34	11 15	11 6	19 19		n.a.
T 11	22 48	7 13	1 11	21 5	2 27	16 42	7 1	10 30	1 20	19 40	0 32	23 35	0 9	11 35	0 45	3 2	1 59	31 31	12 34	11 14	11 4	19 19		n.a.
W12	22 41	11 13	0 1	21 17	2 16	16 40	7 3	10 40	1 20	19 43	0 32	23 35	0 9	11 34	0 45	3 2	1 59	31 31	12 34	11 14	11 3	19 19		n.a.
T 13	22 33	14 43	1s12	21 29	2 5	16 38	7 5	10 50	1 21	19 45	0 32	23 35	0 9	11 33	0 45	3 3	1 59	31 30	12 34	11 14	11 2	19 19		n.a.
F 14	22 25	17 26	2 23	21 42	1 54	16 37	7 5	11 1	1 21	19 48	0 32	23 36	0 9	11 32	0 45	3 3	1 59	31 30	12 34	11 13	11 1	19 18		n.a.
S 15	22 16	19 6	3 26	21 55	1 42	16 37	7 5	11 11	1 22	19 50	0 32	23 36	0 9	11 31	0 45	3 3	1 59	31 29	12 34	11 12	11 0	19 18		n.a.
S 16	22 7	19 27	4 16	22 8	1 31	16 37	7 5	11 21	1 22	19 53	0 32	23 36	0 9	11 30	0 45	3 4	1 59	31 29	12 34	11 9	10 59	19 18		n.a.
M17	21 57	18 24	4 48	22 20	1 20	16 38	7 3	11 31	1 23	19 55	0 32	23 36	0 9	11 29	0 45	3 4	1 59	31 28	12 34	11 5	10 58	19 17		n.a.
T 18	21 47	16 3	5 0	22 33	1 9	16 40	7 2	11 42	1 23	19 57	0 32	23 36	0 9	11 28	0 45	3 4	1 59	31 28	12 34	11 1	10 56	19 17		n.a.
W19	21 37	12 38	4 51	22 45	0 58	16 42	7 0	11 52	1 23	20 0	0 32	23 36	0 9	11 27	0 45	3 5	1 59	31 27	12 34	10 57	10 55	19 17		n.a.
T 20	21 26	8 31	4 23	22 56	0 48	16 44	6 57	12 2	1 24	20 2	0 32	23 36	0 9	11 26	0 45	3 5	1 59	31 27	12 34	10 53	10 54	19 16		n.a.
F 21	21 15	4 2	3 39	23 7	0 37	16 48	6 54	12 13	1 24	20 4	0 32	23 36	0 9	11 25	0 45	3 5	1 59	31 26	12 34	10 50	10 53	19 16		n.a.
S 22	21 3	0s31	2 43	23 17	0 27	16 51	6 50	12 23	1 24	20 6	0 32	23 36	0 9	11 23	0 45	3 6	1 59	31 26	12 34	10 48	10 52	19 16		n.a.
S 23	20 52	4 53	1 41	23 27	0 17	16 55	6 46	12 34	1 25	20 9	0 32	23 36	0 8	11 22	0 45	3 6	1 58	31 26	12 34	10 47	10 51	19 15		n.a.
M24	20 39	8 53	0 35	23 36	0 8	17 0	6 42	12 44	1 25	20 11	0 32	23 36	0 8	11 21	0 45	3 6	1 58	31 25	12 34	10 47	10 50	19 15		n.a.
T 25	20 27	12 22	0n31	23 44	0s 2	17 5	6 37	12 55	1 25	20 13	0 32	23 36	0 8	11 20	0 45	3 7	1 58	31 25	12 34	10 47	10 48	19 14		n.a.
W26	20 13	15 15	1 34	23 51	0 11	17 10	6 33	13 5	1 26	20 15	0 32	23 36	0 8	11 19	0 45	3 7	1 58	31 24	12 34	10 47	10 47	19 14		n.a.
T 27	20 0	17 26	2 31	23 57	0 20	17 15	6 27	13 16	1 26	20 17	0 32	23 36	0 8	11 18	0 45	3 8	1 58	31 24	12 34	10 46	10 46	19 14		n.a.
F 28	19 46	18 50	3 22	24 2	0 28	17 21	6 22	13 26	1 26	20 19	0 32	23 36	0 8	11 17	0 45	3 8	1 58	31 23	12 34	10 44	10 45	19 13		n.a.
S 29	19 32	19 25	4 3	24 5	0 37	17 27	6 16	13 37	1 26	20 21	0 32	23 36	0 8	11 16	0 45	3 9	1 58	31 23	12 34	10 42	10 44	19 13		n.a.
S 30	19 18	19 8	4 34	24 8	0 45	17 33	6 11	13 47	1 27	20 23	0 32	23 36	0 8	11 15	0 45	3 9	1 58	31 23	12 34	10 38	10 43	19 13		n.a.
M31	19s 3	18s 1	4n53	24s10	0s52	17s40	6n 5	13n58	1n27	20s25	0n32	23s36	0n 8	11s13	0s45	3n10	1s58	31s22	12s34	10s33	10s41	19s12		n.a.

Julian Day Number = 1566191.5, Delta T = 04h20m48s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'30, Lahiri = - 9°49'29 Julian Calendar 1 Jan. 425 BCE == Greg. Calendar 27 Dec. 426 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

FEBRUARY 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 20 8	6♒51'51	27♑ 3	12♑13	28♐53	3♉18	2♐42	2♑23	3♓ 4	12♈26	5♒ 9	26°R49	27♎23	29♐22	n.a.	T 1
W 2	8 24 4	7°51'53	9♒11	13°34	29°19	3°48	2°51	2°29	3° 7	12°27	5°11	26♎35	27°20	29°29	n.a.	W 2
T 3	8 28 1	8°51'54	21°28	14°57	29°48	4°18	3° 0	2°35	3°10	12°29	5°13	26°22	27°16	29°36	n.a.	T 3
F 4	8 31 58	9°51'53	3♓54	16°22	0♑17	4°48	3° 9	2°42	3°13	12°30	5°14	26°10	27°13	29°42	n.a.	F 4
S 5	8 35 54	10°51'49	16°29	17°47	0°49	5°18	3°18	2°48	3°16	12°31	5°16	26° 2	27°10	29°49	n.a.	S 5
S 6	8 39 51	11°51'43	29°15	19°14	1°21	5°48	3°27	2°54	3°20	12°32	5°18	25°56	27° 7	29°56	n.a.	S 6
M 7	8 43 47	12°51'35	12♈13	20°42	1°55	6°18	3°36	3° 0	3°23	12°34	5°19	25°53	27° 4	0♑ 2	n.a.	M 7
T 8	8 47 44	13°51'25	25°26	22°12	2°31	6°49	3°44	3° 6	3°26	12°35	5°21	25°D53	27° 1	0° 9	n.a.	T 8
W 9	8 51 40	14°51'12	8♉55	23°43	3° 7	7°20	3°53	3°12	3°29	12°36	5°23	25°R53	26°57	0°16	n.a.	W 9
T 10	8 55 37	15°50'57	22°42	25°15	3°45	7°51	4° 1	3°18	3°33	12°38	5°24	25°53	26°54	0°22	n.a.	T 10
F 11	8 59 33	16°50'39	6♊49	26°48	4°24	8°22	4° 9	3°24	3°36	12°39	5°26	25°51	26°51	0°29	n.a.	F 11
S 12	9 3 30	17°50'20	21°14	28°22	5° 5	8°53	4°17	3°29	3°39	12°41	5°27	25°47	26°48	0°36	n.a.	S 12
S 13	9 7 27	18°49'57	5♋56	29°58	5°46	9°24	4°25	3°35	3°43	12°42	5°29	25°41	26°45	0°43	n.a.	S 13
M14	9 11 23	19°49'33	20°48	1♒35	6°28	9°55	4°33	3°41	3°46	12°43	5°31	25°33	26°41	0°49	n.a.	M14
T 15	9 15 20	20°49'06	5♌42	3°13	7°12	10°26	4°41	3°46	3°49	12°45	5°32	25°23	26°38	0°56	n.a.	T 15
W16	9 19 16	21°48'36	20°30	4°53	7°56	10°58	4°48	3°52	3°53	12°47	5°34	25°13	26°35	1° 3	n.a.	W16
T 17	9 23 13	22°48'05	5♍ 3	6°33	8°41	11°29	4°55	3°58	3°56	12°48	5°35	25° 4	26°32	1° 9	n.a.	T 17
F 18	9 27 9	23°47'31	19°14	8°15	9°28	12° 1	5° 3	4° 3	3°59	12°50	5°37	24°57	26°29	1°16	n.a.	F 18
S 19	9 31 6	24°46'56	2♎59	9°59	10°15	12°33	5°10	4° 8	4° 3	12°51	5°39	24°52	26°26	1°23	n.a.	S 19
S 20	9 35 2	25°46'18	16°18	11°43	11° 2	13° 5	5°17	4°14	4° 6	12°53	5°40	24°50	26°22	1°30	n.a.	S 20
M21	9 38 59	26°45'39	29°10	13°29	11°51	13°37	5°23	4°19	4°10	12°55	5°42	24°D50	26°19	1°36	n.a.	M21
T 22	9 42 55	27°44'57	11♏41	15°16	12°41	14° 9	5°30	4°24	4°13	12°56	5°43	24°51	26°16	1°43	n.a.	T 22
W23	9 46 52	28°44'14	23°54	17° 5	13°31	14°41	5°36	4°29	4°16	12°58	5°45	24°R51	26°13	1°50	n.a.	W23
T 24	9 50 49	29°43'29	5♐54	18°54	14°22	15°13	5°43	4°34	4°20	13° 0	5°46	24°51	26°10	1°56	n.a.	T 24
F 25	9 54 45	0♓42'42	17°47	20°46	15°13	15°46	5°49	4°39	4°23	13° 2	5°48	24°50	26° 7	2° 3	n.a.	F 25
S 26	9 58 42	1°41'53	29°37	22°38	16° 5	16°18	5°55	4°44	4°27	13° 3	5°49	24°46	26° 3	2°10	n.a.	S 26
S 27	10 2 38	2°41'03	11♑30	24°32	16°58	16°51	6° 1	4°49	4°30	13° 5	5°51	24°40	26° 0	2°17	n.a.	S 27
M28	10 6 35	3°40'10	23°28	26°27	17°52	17°23	6° 6	4°54	4°33	13° 7	5°52	24°32	25°57	2°23	n.a.	M28
T 29	10 10 31	4♓39'15	5♒35	28♒24	18♑46	17♉56	6♐12	4♑59	4♓37	13♈ 9	5♒54	24♎23	25♎54	2♑30	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s48	16s 7	5n 0	24s10	1s 0	17s46	5n58	14n 8	1n27	20s27	0n32	23s36	0n 8	11s12	0s45	3n10	1s58	31s22	12s34	10s28	10s40	19s12		n.a.
W 2	18 32	13 29	4 53	24 9	1 7	17 53	5 52	14 19	1 27	20 29	0 32	23 35	0 8	11 11	0 45	3 11	1 58	31 21	12 34	10 23	10 39	19 11		n.a.
T 3	18 16	10 14	4 32	24 6	1 13	17 59	5 46	14 29	1 28	20 30	0 32	23 35	0 8	11 10	0 45	3 11	1 58	31 21	12 34	10 18	10 38	19 11		n.a.
F 4	18 0	6 30	3 58	24 3	1 20	18 6	5 39	14 40	1 28	20 32	0 32	23 35	0 8	11 9	0 45	3 12	1 58	31 21	12 34	10 14	10 37	19 11		n.a.
S 5	17 44	2 27	3 12	23 58	1 26	18 12	5 32	14 50	1 28	20 34	0 32	23 35	0 8	11 7	0 45	3 12	1 58	31 20	12 34	10 11	10 36	19 10		n.a.
S 6	17 27	1n46	2 16	23 51	1 31	18 19	5 26	15 0	1 28	20 36	0 32	23 35	0 7	11 6	0 45	3 13	1 58	31 20	12 34	10 9	10 34	19 10		n.a.
M 7	17 10	5 59	1 12	23 43	1 37	18 25	5 19	15 11	1 28	20 37	0 32	23 35	0 7	11 5	0 45	3 13	1 58	31 20	12 34	10 8	10 33	19 9		n.a.
T 8	16 53	10 0	0 2	23 34	1 42	18 32	5 12	15 21	1 29	20 39	0 32	23 35	0 7	11 4	0 45	3 14	1 57	31 19	12 34	10 7	10 32	19 9		n.a.
W 9	16 35	13 34	1s 9	23 22	1 46	18 38	5 5	15 32	1 29	20 41	0 32	23 35	0 7	11 3	0 45	3 15	1 57	31 19	12 34	10 7	10 31	19 9		n.a.
T 10	16 17	16 28	2 17	23 10	1 50	18 44	4 58	15 42	1 29	20 42	0 32	23 35	0 7	11 1	0 45	3 15	1 57	31 18	12 35	10 7	10 30	19 8		n.a.
F 11	15 59	18 27	3 19	22 56	1 54	18 50	4 51	15 52	1 29	20 44	0 31	23 35	0 7	11 0	0 45	3 16	1 57	31 18	12 35	10 7	10 29	19 8		n.a.
S 12	15 41	19 18	4 10	22 40	1 58	18 56	4 43	16 3	1 29	20 45	0 31	23 35	0 7	10 59	0 44	3 16	1 57	31 18	12 35	10 5	10 28	19 7		n.a.
S 13	15 22	18 52	4 45	22 23	2 1	19 1	4 36	16 13	1 29	20 47	0 31	23 35	0 7	10 58	0 44	3 17	1 57	31 17	12 35	10 3	10 26	19 7		n.a.
M14	15 3	17 8	5 2	22 4	2 3	19 6	4 29	16 23	1 29	20 48	0 31	23 35	0 7	10 57	0 44	3 18	1 57	31 17	12 35	10 0	10 25	19 7		n.a.
T 15	14 44	14 16	4 58	21 43	2 5	19 11	4 22	16 33	1 30	20 50	0 31	23 35	0 7	10 55	0 44	3 18	1 57	31 17	12 35	9 56	10 24	19 6		n.a.
W16	14 25	10 30	4 34	21 20	2 7	19 16	4 15	16 43	1 30	20 51	0 31	23 34	0 7	10 54	0 44	3 19	1 57	31 16	12 35	9 53	10 23	19 6		n.a.
T 17	14 5	6 10	3 53	20 56	2 8	19 21	4 7	16 53	1 30	20 53	0 31	23 34	0 7	10 53	0 44	3 20	1 57	31 16	12 35	9 49	10 22	19 5		n.a.
F 18	13 46	1 35	2 58	20 31	2 9	19 25	4 0	17 4	1 30	20 54	0 31	23 34	0 7	10 52	0 44	3 20	1 57	31 16	12 35	9 47	10 21	19 5		n.a.
S 19	13 26	2s56	1 54	20 3	2 10	19 28	3 53	17 14	1 30	20 55	0 31	23 34	0 7	10 50	0 44	3 21	1 57	31 16	12 36	9 45	10 19	19 4		n.a.
S 20	13 5	7 11	0 46	19 34	2 10	19 32	3 46	17 23	1 30	20 56	0 31	23 34	0 7	10 49	0 44	3 22	1 57	31 15	12 36	9 44	10 18	19 4		n.a.
M21	12 45	10 57	0n23	19 3	2 9	19 35	3 38	17 33	1 30	20 58	0 31	23 34	0 6	10 48	0 44	3 22	1 57	31 15	12 36	9 44	10 17	19 4		n.a.
T 22	12 24	14 7	1 29	18 30	2 8	19 38	3 31	17 43	1 30	20 59	0 31	23 34	0 6	10 47	0 44	3 23	1 57	31 15	12 36	9 44	10 16	19 3		n.a.
W23	12 4	16 35	2 29	17 55	2 6	19 40	3 24	17 53	1 30	21 0	0 31	23 34	0 6	10 45	0 44	3 24	1 57	31 14	12 36	9 45	10 15	19 3		n.a.
T 24	11 43	18 15	3 22	17 19	2 4	19 42	3 17	18 3	1 30	21 1	0 31	23 34	0 6	10 44	0 44	3 24	1 57	31 14	12 36	9 45	10 14	19 2		n.a.
F 25	11 22	19 6	4 5	16 41	2 2	19 43	3 10	18 12	1 30	21 2	0 31	23 34	0 6	10 43	0 44	3 25	1 57	31 14	12 36	9 44	10 12	19 2		n.a.
S 26	11 0	19 7	4 38	16 1	1 59	19 44	3 3	18 22	1 30	21 3	0 31	23 33	0 6	10 41	0 44	3 26	1 57	31 14	12 37	9 43	10 11	19 1		n.a.
S 27	10 39	18 17	4 58	15 19	1 55	19 45	2 56	18 32	1 31	21 4	0 31	23 33	0 6	10 40	0 44	3 27	1 57	31 13	12 37	9 40	10 10	19 1		n.a.
M28	10 17	16 39	5 6	14 36	1 51	19 45	2 49	18 41	1 31	21 5	0 31	23 33	0 6	10 39	0 44	3 27	1 56	31 13	12 37	9 37	10 9	19 0		n.a.
T 29	9s56	14s16	5n 1	13s51	1s46	19s44	2n42	18n50	1n31	21s 6	0n31	23s33	0n 6	10s38	0s44	3n28	1s56	31s13	12s37	9s34	10s 8	19s 0		n.a.

Julian Day Number = 1566222.5, Delta T = 04h20m47s
Ecliptic obliquity = 23°44'40, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'26, Lahiri = - 9°49'25 Julian Calendar 1 Feb. 425 BCE == Greg. Calendar 27 Jan. 425 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

MARCH 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 14 28	5♓38'19	17♒52	0♓21	19♑40	18♉29	6♐17	5♑ 3	4♓40	13♈11	5♒55	24°R13	25♎51	2♑37	n.a.	W 1
T 2	10 18 24	6°37'20	0♓22	2°21	20°35	19° 2	6°23	5° 8	4°44	13°12	5°57	24♎ 4	25°47	2°43	n.a.	T 2
F 3	10 22 21	7°36'19	13° 4	4°21	21°31	19°34	6°28	5°13	4°47	13°14	5°58	23°57	25°44	2°50	n.a.	F 3
S 4	10 26 18	8°35'15	25°58	6°22	22°27	20° 7	6°33	5°17	4°51	13°16	6° 0	23°52	25°41	2°57	n.a.	S 4
S 5	10 30 14	9°34'10	9♈ 4	8°25	23°23	20°41	6°37	5°21	4°54	13°18	6° 1	23°49	25°38	3° 4	n.a.	S 5
M 6	10 34 11	10°33'02	22°22	10°28	24°20	21°14	6°42	5°26	4°57	13°20	6° 2	23°D47	25°35	3°10	n.a.	M 6
T 7	10 38 7	11°31'53	5♉52	12°32	25°18	21°47	6°46	5°30	5° 1	13°22	6° 4	23°48	25°32	3°17	n.a.	T 7
W 8	10 42 4	12°30'40	19°33	14°37	26°16	22°20	6°50	5°34	5° 4	13°24	6° 5	23°49	25°28	3°24	n.a.	W 8
T 9	10 46 0	13°29'26	3♊25	16°43	27°14	22°54	6°54	5°38	5° 8	13°26	6° 7	23°51	25°25	3°30	n.a.	T 9
F 10	10 49 57	14°28'09	17°29	18°49	28°13	23°27	6°58	5°42	5°11	13°28	6° 8	23°R51	25°22	3°37	n.a.	F 10
S 11	10 53 53	15°26'50	1♋43	20°54	29°12	24° 1	7° 2	5°46	5°14	13°30	6° 9	23°50	25°19	3°44	n.a.	S 11
S 12	10 57 50	16°25'28	16° 5	23° 0	0♒11	24°34	7° 5	5°50	5°18	13°32	6°11	23°47	25°16	3°51	n.a.	S 12
M13	11 1 46	17°24'04	0♌32	25° 5	1°11	25° 8	7° 9	5°54	5°21	13°34	6°12	23°43	25°12	3°57	n.a.	M13
T 14	11 5 43	18°22'38	14°59	27° 9	2°11	25°42	7°12	5°57	5°24	13°36	6°13	23°38	25° 9	4° 4	n.a.	T 14
W15	11 9 40	19°21'09	29°20	29°12	3°11	26°15	7°15	6° 1	5°28	13°38	6°15	23°32	25° 6	4°11	n.a.	W15
T 16	11 13 36	20°19'38	13♍29	1♈14	4°12	26°49	7°18	6° 4	5°31	13°40	6°16	23°28	25° 3	4°17	n.a.	T 16
F 17	11 17 33	21°18'06	27°22	3°14	5°13	27°23	7°20	6° 8	5°34	13°43	6°17	23°24	25° 0	4°24	n.a.	F 17
S 18	11 21 29	22°16'31	10♎56	5°12	6°14	27°57	7°23	6°11	5°38	13°45	6°18	23°22	24°57	4°31	n.a.	S 18
S 19	11 25 26	23°14'54	24° 8	7° 7	7°16	28°31	7°25	6°14	5°41	13°47	6°19	23°D21	24°53	4°38	n.a.	S 19
M20	11 29 22	24°13'16	6♏59	9° 0	8°18	29° 5	7°27	6°17	5°44	13°49	6°21	23°22	24°50	4°44	n.a.	M20
T 21	11 33 19	25°11'36	19°30	10°49	9°20	29°39	7°29	6°20	5°48	13°51	6°22	23°23	24°47	4°51	n.a.	T 21
W22	11 37 15	26° 9'54	1♐46	12°35	10°23	0♊13	7°31	6°23	5°51	13°53	6°23	23°25	24°44	4°58	n.a.	W22
T 23	11 41 12	27° 8'10	13°49	14°18	11°26	0°47	7°32	6°26	5°54	13°55	6°24	23°26	24°41	5° 4	n.a.	T 23
F 24	11 45 9	28° 6'25	25°44	15°57	12°29	1°21	7°33	6°29	5°57	13°58	6°25	23°R27	24°38	5°11	n.a.	F 24
S 25	11 49 5	29° 4'39	7♑37	17°32	13°32	1°56	7°35	6°32	6° 1	14° 0	6°26	23°27	24°34	5°18	n.a.	S 25
S 26	11 53 2	0♈ 2'50	19°31	19° 4	14°35	2°30	7°36	6°35	6° 4	14° 2	6°27	23°26	24°31	5°25	n.a.	S 26
M27	11 56 58	1° 1'00	1♒32	20°31	15°39	3° 4	7°36	6°37	6° 7	14° 4	6°29	23°23	24°28	5°31	n.a.	M27
T 28	12 0 55	1°59'09	13°43	21°53	16°43	3°39	7°37	6°40	6°10	14° 6	6°30	23°20	24°25	5°38	n.a.	T 28
W29	12 4 51	2°57'15	26° 7	23°12	17°47	4°13	7°37	6°42	6°13	14° 9	6°31	23°17	24°22	5°45	n.a.	W29
T 30	12 8 48	3°55'21	8♓47	24°25	18°51	4°48	7°37	6°44	6°16	14°11	6°32	23°14	24°18	5°51	n.a.	T 30
F 31	12 12 44	4♈53'24	21♓43	25♈35	19♒56	5♊23	7°R37	6♑46	6♓19	14♈13	6♒33	23♎12	24♎15	5♑58	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	9s34	11s13	4n41	13s 4	1s41	19s43	2n35	19n 0	1n31	21s 7	0n31	23s33	0n 6	10s36	0s44	3n29	1s56	31s13	12s37	9s30	10s 7	18s59			n.a.
T 2	9 12	7 37	4 8	12 15	1 35	19 42	2 28	19 9	1 31	21 8	0 31	23 33	0 6	10 35	0 44	3 30	1 56	31 13	12 38	9 27	10 5	18 59			n.a.
F 3	8 49	3 38	3 22	11 25	1 29	19 40	2 21	19 18	1 31	21 9	0 31	23 33	0 6	10 34	0 44	3 31	1 56	31 12	12 38	9 24	10 4	18 58			n.a.
S 4	8 27	0n35	2 25	10 33	1 22	19 38	2 15	19 27	1 31	21 10	0 31	23 33	0 6	10 33	0 44	3 31	1 56	31 12	12 38	9 22	10 3	18 58			n.a.
S 5	8 5	4 51	1 19	9 40	1 15	19 35	2 8	19 36	1 31	21 11	0 31	23 33	0 6	10 31	0 44	3 32	1 56	31 12	12 38	9 21	10 2	18 57			n.a.
M 6	7 42	8 56	0 8	8 46	1 7	19 32	2 1	19 45	1 31	21 12	0 31	23 32	0 5	10 30	0 44	3 33	1 56	31 12	12 38	9 21	10 1	18 57			n.a.
T 7	7 20	12 37	1s 5	7 50	0 58	19 28	1 55	19 54	1 31	21 13	0 31	23 32	0 5	10 29	0 44	3 34	1 56	31 12	12 39	9 21	10 0	18 56			n.a.
W 8	6 57	15 41	2 15	6 53	0 49	19 24	1 48	20 3	1 31	21 13	0 31	23 32	0 5	10 28	0 44	3 35	1 56	31 11	12 39	9 22	9 58	18 56			n.a.
T 9	6 34	17 52	3 18	5 55	0 40	19 19	1 42	20 12	1 31	21 14	0 31	23 32	0 5	10 26	0 44	3 35	1 56	31 11	12 39	9 22	9 57	18 55			n.a.
F 10	6 11	18 59	4 11	4 56	0 30	19 13	1 36	20 20	1 31	21 15	0 31	23 32	0 5	10 25	0 44	3 36	1 56	31 11	12 39	9 22	9 56	18 55			n.a.
S 11	5 48	18 56	4 48	3 57	0 20	19 7	1 29	20 29	1 31	21 15	0 31	23 32	0 5	10 24	0 44	3 37	1 56	31 11	12 39	9 22	9 55	18 54			n.a.
S 12	5 25	17 40	5 8	2 57	0 9	19 1	1 23	20 37	1 31	21 16	0 31	23 32	0 5	10 23	0 44	3 38	1 56	31 11	12 40	9 21	9 54	18 54			n.a.
M13	5 2	15 16	5 9	1 57	0n 2	18 54	1 17	20 45	1 31	21 16	0 31	23 32	0 5	10 21	0 44	3 39	1 56	31 11	12 40	9 19	9 52	18 53			n.a.
T 14	4 39	11 56	4 50	0 57	0 13	18 46	1 11	20 54	1 31	21 17	0 31	23 32	0 5	10 20	0 44	3 39	1 56	31 11	12 40	9 17	9 51	18 53			n.a.
W15	4 16	7 55	4 13	0n 3	0 24	18 38	1 5	21 2	1 31	21 18	0 31	23 32	0 5	10 19	0 44	3 40	1 56	31 11	12 40	9 15	9 50	18 52			n.a.
T 16	3 53	3 30	3 20	1 2	0 35	18 30	0 59	21 10	1 31	21 18	0 31	23 31	0 5	10 18	0 44	3 41	1 56	31 10	12 41	9 13	9 49	18 52			n.a.
F 17	3 29	1s 2	2 17	2 1	0 47	18 21	0 53	21 18	1 31	21 19	0 31	23 31	0 5	10 16	0 44	3 42	1 56	31 10	12 41	9 12	9 48	18 51			n.a.
S 18	3 6	5 25	1 7	2 59	0 58	18 11	0 48	21 25	1 31	21 19	0 31	23 31	0 5	10 15	0 44	3 43	1 56	31 10	12 41	9 11	9 47	18 51			n.a.
S 19	2 43	9 25	0n 4	3 55	1 9	18 1	0 42	21 33	1 31	21 19	0 31	23 31	0 5	10 14	0 44	3 44	1 56	31 10	12 41	9 11	9 45	18 50			n.a.
M20	2 19	12 51	1 14	4 50	1 20	17 50	0 36	21 41	1 30	21 20	0 31	23 31	0 4	10 13	0 44	3 45	1 56	31 10	12 42	9 11	9 44	18 50			n.a.
T 21	1 56	15 37	2 18	5 43	1 31	17 39	0 31	21 48	1 30	21 20	0 31	23 31	0 4	10 11	0 44	3 45	1 56	31 10	12 42	9 12	9 43	18 49			n.a.
W22	1 33	17 35	3 15	6 35	1 41	17 27	0 25	21 56	1 30	21 20	0 30	23 31	0 4	10 10	0 45	3 46	1 56	31 10	12 42	9 13	9 42	18 49			n.a.
T 23	1 9	18 44	4 2	7 24	1 50	17 15	0 20	22 3	1 30	21 21	0 30	23 31	0 4	10 9	0 45	3 47	1 56	31 10	12 42	9 13	9 41	18 48			n.a.
F 24	0 46	19 2	4 38	8 11	1 59	17 2	0 15	22 10	1 30	21 21	0 30	23 31	0 4	10 8	0 45	3 48	1 56	31 10	12 43	9 13	9 40	18 47			n.a.
S 25	0 22	18 29	5 2	8 56	2 8	16 49	0 10	22 17	1 30	21 21	0 30	23 31	0 4	10 7	0 45	3 49	1 56	31 10	12 43	9 13	9 38	18 47			n.a.
S 26	0n 1	17 8	5 14	9 39	2 16	16 35	0 5	22 24	1 30	21 21	0 30	23 31	0 4	10 6	0 45	3 50	1 56	31 10	12 43	9 13	9 37	18 46			n.a.
M27	0 25	15 1	5 11	10 19	2 23	16 21	0s 0	22 31	1 30	21 22	0 30	23 31	0 4	10 4	0 45	3 51	1 56	31 10	12 44	9 12	9 36	18 46			n.a.
T 28	0 48	12 13	4 55	10 56	2 30	16 6	0 5	22 37	1 30	21 22	0 30	23 31	0 4	10 3	0 45	3 52	1 56	31 10	12 44	9 11	9 35	18 45			n.a.
W29	1 11	8 50	4 25	11 31	2 35	15 51	0 10	22 44	1 30	21 22	0 30	23 31	0 4	10 2	0 45	3 52	1 56	31 10	12 44	9 10	9 34	18 45			n.a.
T 30	1 35	4 58	3 41	12 4	2 40	15 35	0 14	22 50	1 30	21 22	0 30	23 31	0 4	10 1	0 45	3 53	1 56	31 10	12 44	9 8	9 32	18 44			n.a.
F 31	1n58	0s48	2n45	12n33	2n44	15s19	0s19	22n57	1n30	21s22	0n30	23s31	0n 4	10s 0	0s45	3n54	1s56	31s10	12s45	9s 7	9s31	18s44			n.a.

Julian Day Number = 1566251.5, Delta T = 04h20m46s
Ecliptic obliquity = 23°44'40, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'22, Lahiri = - 9°49'21 Julian Calendar 1 March 425 BCE == Greg. Calendar 25 Feb. 425 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

APRIL 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 16 41	5♈51'26	4♈57	26♈39	21♒ 1	5♊57	7°R37	6♑48	6♓23	14♈15	6♒34	23°R10	24♎12	6♑ 5	n.a.	S 1
S 2	12 20 37	6°49'26	18°26	27°39	22° 6	6°32	7♐37	6°50	6°26	14°18	6°35	23°D 9	24° 9	6°12	n.a.	S 2
M 3	12 24 34	7°47'24	2♉ 9	28°35	23°11	7° 7	7°36	6°52	6°29	14°20	6°35	23♎ 9	24° 6	6°18	n.a.	M 3
T 4	12 28 31	8°45'21	16° 4	29°25	24°16	7°41	7°36	6°54	6°32	14°22	6°36	23°10	24° 3	6°25	n.a.	T 4
W 5	12 32 27	9°43'16	0♊ 8	0♉10	25°21	8°16	7°35	6°56	6°35	14°24	6°37	23°11	23°59	6°32	n.a.	W 5
T 6	12 36 24	10°41'09	14°17	0°51	26°27	8°51	7°34	6°57	6°38	14°27	6°38	23°12	23°56	6°38	n.a.	T 6
F 7	12 40 20	11°39'00	28°31	1°26	27°33	9°26	7°32	6°59	6°41	14°29	6°39	23°13	23°53	6°45	n.a.	F 7
S 8	12 44 17	12°36'49	12♋45	1°57	28°39	10° 1	7°31	7° 0	6°44	14°31	6°40	23°R13	23°50	6°52	n.a.	S 8
S 9	12 48 13	13°34'36	26°57	2°22	29°45	10°36	7°29	7° 2	6°46	14°33	6°41	23°13	23°47	6°59	n.a.	S 9
M10	12 52 10	14°32'21	11♌ 6	2°43	0♓51	11°11	7°27	7° 3	6°49	14°36	6°41	23°12	23°44	7° 5	n.a.	M10
T 11	12 56 6	15°30'05	25° 8	2°58	1°57	11°46	7°25	7° 4	6°52	14°38	6°42	23°11	23°40	7°12	n.a.	T 11
W12	13 0 3	16°27'47	9♍ 0	3° 8	3° 4	12°21	7°23	7° 5	6°55	14°40	6°43	23°10	23°37	7°19	n.a.	W12
T 13	13 4 0	17°25'27	22°42	3°13	4°10	12°56	7°20	7° 6	6°58	14°42	6°44	23°10	23°34	7°25	n.a.	T 13
F 14	13 7 56	18°23'05	6♎10	3°R13	5°17	13°31	7°18	7° 7	7° 1	14°45	6°44	23° 9	23°31	7°32	n.a.	F 14
S 15	13 11 53	19°20'42	19°22	3° 9	6°24	14° 7	7°15	7° 8	7° 3	14°47	6°45	23°D 9	23°28	7°39	n.a.	S 15
S 16	13 15 49	20°18'18	2♏19	3° 0	7°31	14°42	7°12	7° 8	7° 6	14°49	6°46	23° 9	23°24	7°46	n.a.	S 16
M17	13 19 46	21°15'53	15° 0	2°47	8°38	15°17	7° 9	7° 9	7° 9	14°51	6°46	23° 9	23°21	7°52	n.a.	M17
T 18	13 23 42	22°13'26	27°26	2°29	9°45	15°53	7° 6	7° 9	7°11	14°53	6°47	23°10	23°18	7°59	n.a.	T 18
W19	13 27 39	23°10'58	9♐39	2° 8	10°53	16°28	7° 2	7° 9	7°14	14°56	6°47	23°R10	23°15	8° 6	n.a.	W19
T 20	13 31 35	24° 8'29	21°42	1°44	12° 0	17° 3	6°59	7°10	7°17	14°58	6°48	23°10	23°12	8°12	n.a.	T 20
F 21	13 35 32	25° 5'59	3♑38	1°16	13° 8	17°39	6°55	7°10	7°19	15° 0	6°49	23° 9	23° 9	8°19	n.a.	F 21
S 22	13 39 29	26° 3'28	15°32	0°46	14°15	18°14	6°51	7°R10	7°22	15° 2	6°49	23° 9	23° 5	8°26	n.a.	S 22
S 23	13 43 25	27° 0'56	27°26	0°15	15°23	18°50	6°47	7°10	7°24	15° 5	6°50	23°D 9	23° 2	8°33	n.a.	S 23
M24	13 47 22	27°58'23	9♒27	29♈42	16°31	19°25	6°42	7°10	7°27	15° 7	6°50	23° 9	22°59	8°39	n.a.	M24
T 25	13 51 18	28°55'49	21°39	29° 8	17°39	20° 1	6°38	7°10	7°29	15° 9	6°50	23°10	22°56	8°46	n.a.	T 25
W26	13 55 15	29°53'15	4♓ 5	28°34	18°47	20°37	6°33	7° 9	7°31	15°11	6°51	23°10	22°53	8°53	n.a.	W26
T 27	13 59 11	0♉50'39	16°49	28° 0	19°56	21°12	6°28	7° 9	7°34	15°13	6°51	23°11	22°49	8°59	n.a.	T 27
F 28	14 3 8	1°48'03	29°54	27°28	21° 4	21°48	6°23	7° 8	7°36	15°16	6°52	23°12	22°46	9° 6	n.a.	F 28
S 29	14 7 4	2°45'25	13♈21	26°57	22°13	22°24	6°18	7° 8	7°38	15°18	6°52	23°12	22°43	9°13	n.a.	S 29
S 30	14 11 1	3♉42'47	27♈10	26♈28	23♓21	22♊59	6♐13	7♑ 7	7♓41	15♈20	6♒52	23°R12	22♎40	9♑20	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n21	3n30	1n39	13n 0	2n47	15s 3	0s24	23n 3	1n30	21s22	0n30	23s30	0n 4	9s59	0s45	3n55	1s56	31s10	12s45	9s 7	9s30	18s43		n.a.
S 2	2 45	7 43	0 26	13 24	2 49	14 46	0 28	23 9	1 30	21 22	0 30	23 30	0 3	9 57	0 45	3 56	1 56	31 10	12 45	9 7	9 29	18 42		n.a.
M 3	3 8	11 36	0s50	13 45	2 51	14 28	0 32	23 15	1 30	21 22	0 30	23 30	0 3	9 56	0 45	3 57	1 56	31 10	12 46	9 7	9 28	18 42		n.a.
T 4	3 31	14 53	2 3	14 4	2 51	14 10	0 36	23 20	1 29	21 22	0 30	23 30	0 3	9 55	0 45	3 58	1 56	31 10	12 46	9 7	9 27	18 41		n.a.
W 5	3 54	17 20	3 10	14 19	2 50	13 52	0 40	23 26	1 29	21 22	0 30	23 30	0 3	9 54	0 45	3 59	1 56	31 10	12 46	9 7	9 25	18 41		n.a.
T 6	4 17	18 44	4 7	14 32	2 48	13 33	0 44	23 32	1 29	21 21	0 30	23 30	0 3	9 53	0 45	3 59	1 56	31 10	12 47	9 8	9 24	18 40		n.a.
F 7	4 40	18 56	4 48	14 42	2 45	13 14	0 48	23 37	1 29	21 21	0 30	23 30	0 3	9 52	0 45	4 0	1 56	31 10	12 47	9 8	9 23	18 39		n.a.
S 8	5 3	17 58	5 11	14 49	2 41	12 54	0 52	23 42	1 29	21 21	0 30	23 30	0 3	9 51	0 45	4 1	1 56	31 10	12 47	9 8	9 22	18 39		n.a.
S 9	5 25	15 52	5 16	14 53	2 36	12 34	0 56	23 47	1 29	21 21	0 30	23 30	0 3	9 50	0 45	4 2	1 56	31 10	12 48	9 8	9 21	18 38		n.a.
M10	5 48	12 50	5 1	14 54	2 29	12 14	0 59	23 52	1 29	21 21	0 30	23 30	0 3	9 49	0 45	4 3	1 56	31 10	12 48	9 8	9 19	18 38		n.a.
T 11	6 11	9 5	4 29	14 53	2 22	11 53	1 3	23 57	1 29	21 20	0 30	23 30	0 3	9 48	0 45	4 4	1 56	31 10	12 48	9 7	9 18	18 37		n.a.
W12	6 33	4 53	3 41	14 48	2 14	11 32	1 6	24 2	1 29	21 20	0 30	23 30	0 3	9 47	0 45	4 5	1 56	31 11	12 49	9 7	9 17	18 36		n.a.
T 13	6 56	0 29	2 41	14 41	2 4	11 11	1 9	24 6	1 28	21 20	0 30	23 30	0 3	9 46	0 45	4 6	1 56	31 11	12 49	9 7	9 16	18 36		n.a.
F 14	7 18	3s54	1 33	14 31	1 53	10 49	1 13	24 10	1 28	21 19	0 29	23 31	0 3	9 45	0 45	4 7	1 56	31 11	12 49	9 7	9 15	18 35		n.a.
S 15	7 40	8 0	0 21	14 18	1 42	10 27	1 16	24 15	1 28	21 19	0 29	23 31	0 2	9 44	0 45	4 7	1 56	31 11	12 50	9 7	9 13	18 35		n.a.
S 16	8 2	11 38	0n51	14 3	1 29	10 4	1 19	24 19	1 28	21 18	0 29	23 31	0 2	9 43	0 45	4 8	1 56	31 11	12 50	9 7	9 12	18 34		n.a.
M17	8 24	14 40	1 58	13 46	1 15	9 42	1 22	24 23	1 28	21 18	0 29	23 31	0 2	9 42	0 45	4 9	1 56	31 11	12 50	9 7	9 11	18 33		n.a.
T 18	8 46	16 56	2 59	13 26	1 1	9 18	1 24	24 26	1 28	21 18	0 29	23 31	0 2	9 41	0 45	4 10	1 56	31 11	12 51	9 7	9 10	18 33		n.a.
W19	9 7	18 23	3 50	13 5	0 45	8 55	1 27	24 30	1 28	21 17	0 29	23 31	0 2	9 40	0 45	4 11	1 56	31 12	12 51	9 7	9 9	18 32		n.a.
T 20	9 29	18 59	4 31	12 41	0 29	8 31	1 29	24 33	1 28	21 16	0 29	23 31	0 2	9 39	0 45	4 12	1 56	31 12	12 51	9 7	9 8	18 31		n.a.
F 21	9 50	18 43	4 59	12 16	0 13	8 7	1 32	24 37	1 27	21 16	0 29	23 31	0 2	9 38	0 45	4 13	1 56	31 12	12 52	9 7	9 6	18 31		n.a.
S 22	10 11	17 38	5 14	11 50	0s 4	7 43	1 34	24 40	1 27	21 15	0 29	23 31	0 2	9 37	0 45	4 13	1 56	31 12	12 52	9 7	9 5	18 30		n.a.
S 23	10 32	15 46	5 16	11 22	0 21	7 19	1 36	24 43	1 27	21 15	0 29	23 31	0 2	9 36	0 45	4 14	1 56	31 12	12 52	9 7	9 4	18 30		n.a.
M24	10 53	13 13	5 4	10 55	0 38	6 54	1 39	24 46	1 27	21 14	0 29	23 31	0 2	9 35	0 45	4 15	1 56	31 13	12 53	9 7	9 3	18 29		n.a.
T 25	11 14	10 4	4 39	10 27	0 55	6 29	1 41	24 48	1 27	21 13	0 29	23 31	0 2	9 34	0 45	4 16	1 56	31 13	12 53	9 7	9 2	18 28		n.a.
W26	11 34	6 25	4 0	9 59	1 12	6 4	1 43	24 51	1 27	21 13	0 29	23 31	0 2	9 33	0 45	4 17	1 56	31 13	12 53	9 7	9 0	18 28		n.a.
T 27	11 55	2 23	3 8	9 31	1 29	5 38	1 44	24 53	1 27	21 12	0 29	23 31	0 1	9 32	0 45	4 18	1 56	31 13	12 54	9 7	8 59	18 27		n.a.
F 28	12 15	1n53	2 6	9 4	1 45	5 12	1 46	24 55	1 26	21 11	0 28	23 32	0 1	9 31	0 45	4 19	1 56	31 13	12 54	9 7	8 58	18 26		n.a.
S 29	12 35	6 10	0 54	8 39	2 0	4 47	1 48	24 57	1 26	21 10	0 28	23 32	0 1	9 31	0 45	4 19	1 56	31 14	12 54	9 8	8 57	18 26		n.a.
S 30	12n55	10n15	0s22	8n15	2s15	4s20	1s49	24n59	1n26	21s 9	0n28	23s32	0n 1	9s30	0s45	4n20	1s56	31s14	12s55	9s 8	8s56	18s25		n.a.

Julian Day Number = 1566282.5, Delta T = 04h20m45s
Ecliptic obliquity = 23°44'40, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'18, Lahiri = - 9°49'17 Julian Calendar 1 Apr. 425 BCE == Greg. Calendar 27 March 425 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

MAY 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 14 57	4♉40'08	11♉17	26°R 1	24♓30	23♊35	6°R 8	7°R 6	7♓43	15♈22	6♒53	23°R12	22♎37	9♑26	n.a.	M 1
T 2	14 18 54	5°37'28	25°39	25♈38	25°38	24°11	6♐ 2	7♑ 5	7°45	15°24	6°53	23♎11	22°34	9°33	n.a.	T 2
W 3	14 22 51	6°34'47	10♊10	25°18	26°47	24°47	5°57	7° 4	7°47	15°26	6°53	23° 9	22°30	9°40	n.a.	W 3
T 4	14 26 47	7°32'06	24°45	25° 1	27°56	25°23	5°51	7° 3	7°49	15°29	6°53	23° 8	22°27	9°47	n.a.	T 4
F 5	14 30 44	8°29'23	9♋17	24°48	29° 5	25°59	5°45	7° 2	7°51	15°31	6°54	23° 6	22°24	9°53	n.a.	F 5
S 6	14 34 40	9°26'39	23°42	24°40	0♈14	26°35	5°39	7° 1	7°53	15°33	6°54	23° 5	22°21	10° 0	n.a.	S 6
S 7	14 38 37	10°23'53	7♌56	24°D36	1°23	27°11	5°33	6°59	7°55	15°35	6°54	23°D 4	22°18	10° 7	n.a.	S 7
M 8	14 42 33	11°21'07	21°56	24°36	2°32	27°47	5°26	6°58	7°57	15°37	6°54	23° 5	22°15	10°13	n.a.	M 8
T 9	14 46 30	12°18'20	5♍43	24°40	3°41	28°23	5°20	6°56	7°59	15°39	6°54	23° 5	22°11	10°20	n.a.	T 9
W10	14 50 27	13°15'32	19°14	24°49	4°51	28°59	5°13	6°55	8° 1	15°41	6°54	23° 7	22° 8	10°27	n.a.	W10
T 11	14 54 23	14°12'42	2♎31	25° 3	6° 0	29°35	5° 7	6°53	8° 3	15°43	6°54	23° 8	22° 5	10°34	n.a.	T 11
F 12	14 58 20	15° 9'52	15°34	25°21	7°10	0♋11	5° 0	6°51	8° 5	15°45	6°54	23° 9	22° 2	10°40	n.a.	F 12
S 13	15 2 16	16° 7'02	28°25	25°44	8°19	0°47	4°53	6°49	8° 6	15°47	6°R54	23°R 9	21°59	10°47	n.a.	S 13
S 14	15 6 13	17° 4'10	11♏ 3	26°11	9°29	1°24	4°46	6°47	8° 8	15°49	6°54	23° 8	21°55	10°54	n.a.	S 14
M15	15 10 9	18° 1'19	23°30	26°43	10°39	2° 0	4°39	6°45	8°10	15°51	6°54	23° 6	21°52	11° 0	n.a.	M15
T 16	15 14 6	18°58'27	5♐46	27°19	11°48	2°36	4°32	6°43	8°11	15°53	6°54	23° 2	21°49	11° 7	n.a.	T 16
W17	15 18 2	19°55'34	17°53	27°59	12°58	3°12	4°25	6°41	8°13	15°55	6°54	22°58	21°46	11°14	n.a.	W17
T 18	15 21 59	20°52'41	29°53	28°43	14° 8	3°49	4°18	6°38	8°14	15°57	6°54	22°54	21°43	11°21	n.a.	T 18
F 19	15 25 56	21°49'48	11♑47	29°32	15°18	4°25	4°11	6°36	8°16	15°59	6°54	22°49	21°40	11°27	n.a.	F 19
S 20	15 29 52	22°46'55	23°40	0♉24	16°28	5° 2	4° 3	6°33	8°17	16° 1	6°54	22°45	21°36	11°34	n.a.	S 20
S 21	15 33 49	23°44'02	5♒34	1°21	17°38	5°38	3°56	6°31	8°19	16° 3	6°53	22°42	21°33	11°41	n.a.	S 21
M22	15 37 45	24°41'08	17°33	2°21	18°48	6°14	3°48	6°28	8°20	16° 4	6°53	22°41	21°30	11°48	n.a.	M22
T 23	15 41 42	25°38'15	29°43	3°26	19°59	6°51	3°41	6°25	8°21	16° 6	6°53	22°D41	21°27	11°54	n.a.	T 23
W24	15 45 38	26°35'22	12♓ 7	4°34	21° 9	7°28	3°33	6°22	8°23	16° 8	6°53	22°42	21°24	12° 1	n.a.	W24
T 25	15 49 35	27°32'28	24°50	5°46	22°19	8° 4	3°26	6°20	8°24	16°10	6°52	22°43	21°20	12° 8	n.a.	T 25
F 26	15 53 31	28°29'35	7♈56	7° 1	23°30	8°41	3°18	6°17	8°25	16°12	6°52	22°45	21°17	12°14	n.a.	F 26
S 27	15 57 28	29°26'42	21°28	8°21	24°40	9°17	3°10	6°14	8°26	16°13	6°52	22°R45	21°14	12°21	n.a.	S 27
S 28	16 1 25	0♊23'49	5♉26	9°43	25°51	9°54	3° 3	6°10	8°27	16°15	6°51	22°45	21°11	12°28	n.a.	S 28
M29	16 5 21	1°20'56	19°48	11°10	27° 1	10°31	2°55	6° 7	8°28	16°17	6°51	22°42	21° 8	12°35	n.a.	M29
T 30	16 9 18	2°18'04	4♊30	12°40	28°12	11° 7	2°47	6° 4	8°29	16°19	6°51	22°38	21° 5	12°41	n.a.	T 30
W31	16 13 14	3♊15'11	19♊26	14♉13	29♈23	11♋44	2♐40	6♑ 1	8♓30	16♈20	6♒50	22♎33	21♎ 1	12♑48	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	13n14	13n51	1s38	7n52	2s29	3s54	1s51	25n 1	1n26	21s 9	0n28	23s32	0n 1	9s29	0s45	4n21	1s56	31s14	12s55	9s 8	8s54	18s24			n.a.
T 2	13 34	16 40	2 50	7 32	2 41	3 28	1 52	25 2	1 26	21 8	0 28	23 32	0 1	9 28	0 45	4 22	1 56	31 14	12 55	9 7	8 53	18 24			n.a.
W 3	13 53	18 27	3 51	7 13	2 53	3 1	1 53	25 4	1 26	21 7	0 28	23 32	0 1	9 27	0 45	4 23	1 56	31 15	12 56	9 7	8 52	18 23			n.a.
T 4	14 12	19 1	4 38	6 57	3 4	2 35	1 54	25 5	1 25	21 6	0 28	23 32	0 1	9 27	0 45	4 23	1 56	31 15	12 56	9 6	8 51	18 22			n.a.
F 5	14 31	18 19	5 7	6 44	3 13	2 8	1 55	25 6	1 25	21 5	0 28	23 33	0 1	9 26	0 45	4 24	1 56	31 15	12 56	9 5	8 50	18 22			n.a.
S 6	14 49	16 27	5 16	6 33	3 22	1 41	1 56	25 7	1 25	21 4	0 28	23 33	0 1	9 25	0 46	4 25	1 56	31 16	12 57	9 5	8 48	18 21			n.a.
S 7	15 8	13 36	5 5	6 25	3 29	1 14	1 57	25 8	1 25	21 3	0 28	23 33	0 1	9 24	0 46	4 26	1 56	31 16	12 57	9 5	8 47	18 20			n.a.
M 8	15 26	10 1	4 37	6 19	3 35	0 47	1 58	25 8	1 25	21 2	0 28	23 33	0 1	9 24	0 46	4 27	1 56	31 16	12 58	9 5	8 46	18 20			n.a.
T 9	15 43	5 56	3 53	6 17	3 40	0 19	1 59	25 8	1 24	21 1	0 27	23 33	0 0	9 23	0 46	4 27	1 56	31 17	12 58	9 5	8 45	18 19			n.a.
W10	16 1	1 37	2 56	6 16	3 43	0n 8	1 59	25 9	1 24	21 0	0 27	23 33	0 0	9 22	0 46	4 28	1 56	31 17	12 58	9 6	8 44	18 18			n.a.
T 11	16 18	2s43	1 51	6 19	3 46	0 35	2 0	25 9	1 24	20 59	0 27	23 34	0 0	9 22	0 46	4 29	1 56	31 17	12 59	9 6	8 42	18 18			n.a.
F 12	16 35	6 51	0 42	6 24	3 47	1 3	2 0	25 9	1 24	20 58	0 27	23 34	0 0	9 21	0 46	4 30	1 56	31 17	12 59	9 7	8 41	18 17			n.a.
S 13	16 52	10 36	0n29	6 32	3 48	1 30	2 0	25 8	1 24	20 56	0 27	23 34	0 0	9 20	0 46	4 30	1 56	31 18	12 59	9 7	8 40	18 16			n.a.
S 14	17 9	13 48	1 37	6 43	3 47	1 58	2 0	25 8	1 23	20 55	0 27	23 34	0s 0	9 20	0 46	4 31	1 56	31 18	13 0	9 6	8 39	18 15			n.a.
M15	17 25	16 19	2 39	6 55	3 46	2 25	2 0	25 7	1 23	20 54	0 27	23 34	0 0	9 19	0 46	4 32	1 56	31 19	13 0	9 5	8 38	18 15			n.a.
T 16	17 41	18 3	3 33	7 11	3 43	2 53	2 0	25 6	1 23	20 53	0 27	23 34	0 0	9 19	0 46	4 33	1 56	31 19	13 0	9 4	8 36	18 14			n.a.
W17	17 57	18 56	4 16	7 28	3 40	3 20	2 0	25 5	1 23	20 52	0 26	23 35	0 0	9 18	0 46	4 33	1 56	31 19	13 1	9 2	8 35	18 13			n.a.
T 18	18 12	18 57	4 48	7 48	3 36	3 48	2 0	25 4	1 23	20 51	0 26	23 35	0 0	9 18	0 46	4 34	1 56	31 20	13 1	9 1	8 34	18 13			n.a.
F 19	18 27	18 7	5 7	8 10	3 31	4 16	2 0	25 3	1 22	20 49	0 26	23 35	0 0	9 17	0 46	4 35	1 56	31 20	13 1	8 59	8 33	18 12			n.a.
S 20	18 42	16 31	5 12	8 33	3 25	4 43	2 0	25 1	1 22	20 48	0 26	23 35	0 1	9 17	0 46	4 35	1 56	31 20	13 2	8 58	8 32	18 11			n.a.
S 21	18 57	14 12	5 5	8 59	3 19	5 11	1 59	24 59	1 22	20 47	0 26	23 36	0 1	9 16	0 46	4 36	1 56	31 21	13 2	8 57	8 30	18 10			n.a.
M22	19 11	11 16	4 44	9 27	3 12	5 38	1 59	24 57	1 22	20 45	0 26	23 36	0 1	9 16	0 46	4 37	1 56	31 21	13 2	8 56	8 29	18 10			n.a.
T 23	19 25	7 49	4 10	9 56	3 4	6 5	1 58	24 55	1 22	20 44	0 26	23 36	0 1	9 15	0 46	4 38	1 56	31 21	13 3	8 56	8 28	18 9			n.a.
W24	19 38	3 58	3 24	10 27	2 56	6 33	1 57	24 53	1 21	20 43	0 26	23 36	0 1	9 15	0 46	4 38	1 56	31 22	13 3	8 56	8 27	18 8			n.a.
T 25	19 52	0n 9	2 26	10 59	2 47	7 0	1 57	24 51	1 21	20 42	0 25	23 36	0 1	9 14	0 46	4 39	1 56	31 22	13 3	8 57	8 26	18 7			n.a.
F 26	20 5	4 24	1 20	11 33	2 37	7 27	1 56	24 48	1 21	20 40	0 25	23 37	0 1	9 14	0 46	4 39	1 57	31 23	13 4	8 57	8 24	18 7			n.a.
S 27	20 17	8 35	0 7	12 8	2 28	7 54	1 55	24 45	1 21	20 39	0 25	23 37	0 1	9 13	0 46	4 40	1 57	31 23	13 4	8 58	8 23	18 6			n.a.
S 28	20 30	12 25	1s 8	12 45	2 17	8 21	1 54	24 42	1 21	20 38	0 25	23 37	0 1	9 13	0 46	4 41	1 57	31 24	13 4	8 57	8 22	18 5			n.a.
M29	20 42	15 38	2 22	13 22	2 7	8 47	1 53	24 39	1 20	20 36	0 25	23 37	0 1	9 13	0 46	4 41	1 57	31 24	13 5	8 56	8 21	18 4			n.a.
T 30	20 53	17 55	3 27	14 0	1 56	9 14	1 52	24 36	1 20	20 35	0 25	23 38	0 1	9 12	0 46	4 42	1 57	31 24	13 5	8 55	8 20	18 4			n.a.
W31	21n 4	19n 1	4s19	14n39	1s44	9n40	1s50	24n33	1n20	20s33	0n25	23s38	0s 2	9s12	0s46	4n43	1s57	31s25	13s 5	8s53	8s18	18s 3			n.a.

Julian Day Number = 1566312.5, Delta T = 04h20m44s
Ecliptic obliquity = 23°44'40, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'13, Lahiri = - 9°49'13 Julian Calendar 1 May 425 BCE == Greg. Calendar 26 Apr. 425 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

JUNE 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 17 11	4♊12'19	4♋26	15♉50	0♉33	12♋21	2°R32	5°R57	8♓31	16♈22	6°R50	22°R27	20♎58	12♑55	n.a.	T 1
F 2	16 21 7	5° 9'26	19°21	17°30	1°44	12°58	2♐24	5♑54	8°32	16°24	6♒49	22♎21	20°55	13° 1	n.a.	F 2
S 3	16 25 4	6° 6'33	4♌ 3	19°13	2°55	13°35	2°17	5°50	8°33	16°25	6°49	22°16	20°52	13° 8	n.a.	S 3
S 4	16 29 0	7° 3'40	18°27	21° 0	4° 6	14°12	2° 9	5°47	8°33	16°27	6°48	22°13	20°49	13°15	n.a.	S 4
M 5	16 32 57	8° 0'47	2♍30	22°50	5°17	14°49	2° 1	5°43	8°34	16°28	6°48	22°D12	20°46	13°22	n.a.	M 5
T 6	16 36 54	8°57'54	16°11	24°42	6°28	15°26	1°54	5°39	8°35	16°30	6°47	22°12	20°42	13°28	n.a.	T 6
W 7	16 40 50	9°55'01	29°31	26°37	7°39	16° 3	1°46	5°36	8°35	16°31	6°47	22°13	20°39	13°35	n.a.	W 7
T 8	16 44 47	10°52'07	12♎32	28°35	8°50	16°40	1°39	5°32	8°36	16°33	6°46	22°14	20°36	13°42	n.a.	T 8
F 9	16 48 43	11°49'14	25°18	0♏35	10° 1	17°17	1°31	5°28	8°36	16°34	6°46	22°R14	20°33	13°49	n.a.	F 9
S 10	16 52 40	12°46'21	7♏51	2°37	11°13	17°54	1°24	5°24	8°37	16°36	6°45	22°13	20°30	13°55	n.a.	S 10
S 11	16 56 36	13°43'29	20°12	4°40	12°24	18°31	1°16	5°20	8°37	16°37	6°44	22° 9	20°26	14° 2	n.a.	S 11
M12	17 0 33	14°40'36	2♐25	6°46	13°35	19° 8	1° 9	5°16	8°38	16°39	6°44	22° 4	20°23	14° 9	n.a.	M12
T 13	17 4 30	15°37'44	14°31	8°52	14°47	19°45	1° 2	5°12	8°38	16°40	6°43	21°56	20°20	14°15	n.a.	T 13
W14	17 8 26	16°34'53	26°31	11° 0	15°58	20°22	0°55	5° 8	8°38	16°41	6°42	21°46	20°17	14°22	n.a.	W14
T 15	17 12 23	17°32'02	8♑26	13° 7	17°10	21° 0	0°48	5° 4	8°38	16°43	6°41	21°36	20°14	14°29	n.a.	T 15
F 16	17 16 19	18°29'12	20°19	15°16	18°21	21°37	0°41	5° 0	8°39	16°44	6°41	21°26	20°11	14°36	n.a.	F 16
S 17	17 20 16	19°26'22	2♒11	17°24	19°33	22°14	0°34	4°56	8°39	16°45	6°40	21°16	20° 7	14°42	n.a.	S 17
S 18	17 24 12	20°23'34	14° 5	19°32	20°45	22°52	0°27	4°51	8°39	16°46	6°39	21° 9	20° 4	14°49	n.a.	S 18
M19	17 28 9	21°20'46	26° 4	21°39	21°56	23°29	0°20	4°47	8°R39	16°48	6°38	21° 4	20° 1	14°56	n.a.	M19
T 20	17 32 5	22°17'59	8♓12	23°46	23° 8	24° 6	0°13	4°43	8°39	16°49	6°38	21° 0	19°58	15° 2	n.a.	T 20
W21	17 36 2	23°15'13	20°33	25°52	24°20	24°44	0° 7	4°39	8°39	16°50	6°37	20°D59	19°55	15° 9	n.a.	W21
T 22	17 39 59	24°12'28	3♈12	27°56	25°32	25°21	0° 0	4°34	8°39	16°51	6°36	21° 0	19°52	15°16	n.a.	T 22
F 23	17 43 55	25° 9'44	16°14	29°59	26°44	25°59	29♏54	4°30	8°38	16°52	6°35	21°R 0	19°48	15°23	n.a.	F 23
S 24	17 47 52	26° 7'01	29°43	2♋ 2	27°56	26°36	29°48	4°25	8°38	16°53	6°34	21° 0	19°45	15°29	n.a.	S 24
S 25	17 51 48	27° 4'20	13♉39	4° 3	29° 8	27°14	29°42	4°21	8°38	16°54	6°33	20°58	19°42	15°36	n.a.	S 25
M26	17 55 45	28° 1'39	28° 5	6° 2	0♊20	27°51	29°36	4°17	8°38	16°55	6°32	20°54	19°39	15°43	n.a.	M26
T 27	17 59 41	28°59'00	12♊55	8° 0	1°32	28°29	29°30	4°12	8°37	16°56	6°31	20°47	19°36	15°50	n.a.	T 27
W28	18 3 38	29°56'22	28° 3	9°56	2°44	29° 7	29°24	4° 8	8°37	16°57	6°30	20°38	19°32	15°56	n.a.	W28
T 29	18 7 34	0♋53'44	13♋19	11°51	3°57	29°45	29°19	4° 3	8°36	16°58	6°29	20°28	19°29	16° 3	n.a.	T 29
F 30	18 11 31	1♋51'08	28♋32	13♋44	5♊ 9	0♌22	29♏13	3♑59	8♓36	16♈59	6♒28	20♎19	19♎26	16♑10	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n15	18n46	4s54	15n19	1s33	10n 7	1s49	24n29	1n20	20s32	0n24	23s38	0s 2	9s12	0s46	4n43	1s57	31s25	13s 6	8s51	8s17	18s 2		n.a.
F 2	21 26	17 14	5 9	15 59	1 21	10 33	1 48	24 25	1 19	20 31	0 24	23 38	0 2	9 11	0 46	4 44	1 57	31 26	13 6	8 49	8 16	18 1		n.a.
S 3	21 36	14 35	5 3	16 39	1 9	10 59	1 46	24 21	1 19	20 29	0 24	23 39	0 2	9 11	0 47	4 44	1 57	31 26	13 6	8 47	8 15	18 1		n.a.
S 4	21 46	11 5	4 37	17 19	0 57	11 24	1 45	24 17	1 19	20 28	0 24	23 39	0 2	9 11	0 47	4 45	1 57	31 27	13 7	8 45	8 14	18 0		n.a.
M 5	21 55	7 3	3 56	17 59	0 45	11 50	1 43	24 13	1 19	20 27	0 24	23 39	0 2	9 11	0 47	4 46	1 57	31 27	13 7	8 45	8 12	17 59		n.a.
T 6	22 4	2 44	3 2	18 39	0 33	12 15	1 42	24 8	1 18	20 25	0 24	23 39	0 2	9 11	0 47	4 46	1 57	31 27	13 7	8 45	8 11	17 58		n.a.
W 7	22 13	1s38	2 0	19 18	0 21	12 40	1 40	24 4	1 18	20 24	0 23	23 40	0 2	9 10	0 47	4 47	1 57	31 28	13 8	8 45	8 10	17 58		n.a.
T 8	22 22	5 49	0 52	19 57	0 9	13 5	1 38	23 59	1 18	20 22	0 23	23 40	0 2	9 10	0 47	4 47	1 57	31 28	13 8	8 46	8 9	17 57		n.a.
F 9	22 30	9 39	0n17	20 34	0n 2	13 29	1 36	23 54	1 18	20 21	0 23	23 40	0 2	9 10	0 47	4 48	1 57	31 29	13 8	8 46	8 7	17 56		n.a.
S 10	22 37	13 0	1 23	21 10	0 13	13 53	1 35	23 48	1 17	20 20	0 23	23 40	0 2	9 10	0 47	4 48	1 57	31 29	13 9	8 45	8 6	17 55		n.a.
S 11	22 44	15 42	2 25	21 44	0 24	14 17	1 33	23 43	1 17	20 18	0 23	23 41	0 3	9 10	0 47	4 49	1 57	31 30	13 9	8 44	8 5	17 55		n.a.
M12	22 51	17 40	3 18	22 17	0 34	14 41	1 31	23 38	1 17	20 17	0 23	23 41	0 3	9 10	0 47	4 49	1 57	31 30	13 9	8 42	8 4	17 54		n.a.
T 13	22 57	18 49	4 3	22 47	0 44	15 4	1 29	23 32	1 17	20 16	0 22	23 41	0 3	9 10	0 47	4 50	1 57	31 31	13 10	8 39	8 3	17 53		n.a.
W14	23 3	19 6	4 36	23 15	0 53	15 27	1 27	23 26	1 16	20 14	0 22	23 41	0 3	9 9	0 47	4 50	1 57	31 31	13 10	8 35	8 1	17 52		n.a.
T 15	23 9	18 32	4 57	23 41	1 2	15 49	1 25	23 20	1 16	20 13	0 22	23 42	0 3	9 9	0 47	4 51	1 58	31 32	13 10	8 31	8 0	17 51		n.a.
F 16	23 14	17 10	5 4	24 4	1 10	16 12	1 22	23 14	1 16	20 12	0 22	23 42	0 3	9 9	0 47	4 51	1 58	31 32	13 10	8 28	7 59	17 51		n.a.
S 17	23 19	15 4	4 59	24 25	1 17	16 33	1 20	23 7	1 16	20 10	0 22	23 42	0 3	9 9	0 47	4 51	1 58	31 33	13 11	8 24	7 58	17 50		n.a.
S 18	23 23	12 20	4 41	24 43	1 24	16 55	1 18	23 1	1 15	20 9	0 22	23 42	0 3	9 9	0 47	4 52	1 58	31 33	13 11	8 21	7 57	17 49		n.a.
M19	23 27	9 4	4 10	24 58	1 29	17 16	1 16	22 54	1 15	20 8	0 21	23 43	0 3	9 9	0 47	4 52	1 58	31 34	13 11	8 19	7 55	17 48		n.a.
T 20	23 31	5 24	3 28	25 10	1 35	17 37	1 13	22 47	1 15	20 7	0 21	23 43	0 3	9 9	0 47	4 53	1 58	31 34	13 11	8 18	7 54	17 47		n.a.
W21	23 34	1 25	2 35	25 20	1 39	17 57	1 11	22 40	1 14	20 5	0 21	23 43	0 4	9 10	0 47	4 53	1 58	31 35	13 12	8 18	7 53	17 47		n.a.
T 22	23 37	2n43	1 33	25 26	1 42	18 17	1 9	22 33	1 14	20 4	0 21	23 43	0 4	9 10	0 47	4 53	1 58	31 35	13 12	8 18	7 52	17 46		n.a.
F 23	23 39	6 51	0 25	25 30	1 45	18 36	1 6	22 26	1 14	20 3	0 21	23 44	0 4	9 10	0 47	4 54	1 58	31 36	13 12	8 18	7 50	17 45		n.a.
S 24	23 41	10 47	0s46	25 31	1 48	18 55	1 4	22 18	1 14	20 2	0 20	23 44	0 4	9 10	0 47	4 54	1 58	31 36	13 13	8 18	7 49	17 44		n.a.
S 25	23 43	14 16	1 58	25 30	1 49	19 13	1 1	22 11	1 13	20 1	0 20	23 44	0 4	9 10	0 47	4 54	1 58	31 37	13 13	8 17	7 48	17 43		n.a.
M26	23 44	17 0	3 4	25 26	1 50	19 31	0 59	22 3	1 13	20 0	0 20	23 44	0 4	9 10	0 47	4 55	1 58	31 37	13 13	8 15	7 47	17 42		n.a.
T 27	23 44	18 41	3 59	25 20	1 50	19 49	0 56	21 55	1 13	19 59	0 20	23 45	0 4	9 10	0 47	4 55	1 58	31 38	13 13	8 13	7 46	17 42		n.a.
W28	23 45	19 5	4 39	25 12	1 50	20 6	0 54	21 47	1 12	19 58	0 20	23 45	0 4	9 11	0 47	4 55	1 58	31 38	13 14	8 10	7 44	17 41		n.a.
T 29	23 44	18 6	5 0	25 1	1 49	20 22	0 51	21 38	1 12	19 56	0 20	23 45	0 4	9 11	0 48	4 56	1 58	31 38	13 14	8 6	7 43	17 40		n.a.
F 30	23n44	15n50	4s59	24n48	1n47	20n38	0s49	21n30	1n12	19s55	0n19	23s45	0s 4	9s11	0s48	4n56	1s58	31s39	13s14	8s 2	7s42	17s39		n.a.

Julian Day Number = 1566343.5, Delta T = 04h20m42s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'09, Lahiri = - 9°49'09 Julian Calendar 1 June 425 BCE == Greg. Calendar 27 May 425 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

JULY 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 15 28	2♋48'32	13♌32	15♋36	6♊21	1♌ 0	29°R 8	3°R54	8°R35	17♈ 0	6°R27	20°R10	19♎23	16♑16	n.a.	S 1
S 2	18 19 24	3°45'58	28°10	17°26	7°34	1°38	29♏ 3	3♑50	8♓35	17° 0	6♒26	20♎ 4	19°20	16°23	n.a.	S 2
M 3	18 23 21	4°43'24	12♍21	19°14	8°46	2°16	28°58	3°45	8°34	17° 1	6°25	20° 0	19°17	16°30	n.a.	M 3
T 4	18 27 17	5°40'50	26° 6	21° 1	9°59	2°54	28°53	3°41	8°33	17° 2	6°24	19°58	19°13	16°37	n.a.	T 4
W 5	18 31 14	6°38'18	9♎24	22°46	11°11	3°32	28°48	3°37	8°33	17° 3	6°23	19°D58	19°10	16°43	n.a.	W 5
T 6	18 35 10	7°35'47	22°20	24°30	12°24	4°10	28°44	3°32	8°32	17° 3	6°22	19°R58	19° 7	16°50	n.a.	T 6
F 7	18 39 7	8°33'16	4♏56	26°12	13°37	4°48	28°39	3°28	8°31	17° 4	6°21	19°57	19° 4	16°57	n.a.	F 7
S 8	18 43 3	9°30'47	17°18	27°52	14°49	5°26	28°35	3°23	8°30	17° 5	6°20	19°55	19° 1	17° 4	n.a.	S 8
S 9	18 47 0	10°28'19	29°29	29°31	16° 2	6° 4	28°31	3°19	8°29	17° 5	6°19	19°50	18°58	17°10	n.a.	S 9
M10	18 50 57	11°25'51	11♐32	1♌ 8	17°15	6°42	28°27	3°14	8°28	17° 6	6°18	19°42	18°54	17°17	n.a.	M10
T 11	18 54 53	12°23'25	23°30	2°44	18°28	7°20	28°24	3°10	8°27	17° 6	6°17	19°31	18°51	17°24	n.a.	T 11
W12	18 58 50	13°21'01	5♑25	4°18	19°41	7°58	28°20	3° 6	8°26	17° 7	6°15	19°18	18°48	17°30	n.a.	W12
T 13	19 2 46	14°18'37	17°18	5°51	20°53	8°36	28°17	3° 1	8°25	17° 7	6°14	19° 4	18°45	17°37	n.a.	T 13
F 14	19 6 43	15°16'15	29°11	7°22	22° 6	9°15	28°14	2°57	8°24	17° 8	6°13	18°51	18°42	17°44	n.a.	F 14
S 15	19 10 39	16°13'55	11♒ 4	8°52	23°19	9°53	28°11	2°53	8°23	17° 8	6°12	18°38	18°38	17°51	n.a.	S 15
S 16	19 14 36	17°11'36	23° 1	10°20	24°33	10°31	28° 8	2°48	8°22	17° 9	6°11	18°27	18°35	17°57	n.a.	S 16
M17	19 18 32	18° 9'18	5♓ 3	11°46	25°46	11°10	28° 5	2°44	8°20	17° 9	6°10	18°19	18°32	18° 4	n.a.	M17
T 18	19 22 29	19° 7'03	17°13	13°11	26°59	11°48	28° 3	2°40	8°19	17° 9	6° 8	18°14	18°29	18°11	n.a.	T 18
W19	19 26 26	20° 4'49	29°35	14°35	28°12	12°26	28° 0	2°36	8°18	17° 9	6° 7	18°12	18°26	18°18	n.a.	W19
T 20	19 30 22	21° 2'37	12♈13	15°56	29°25	13° 5	27°58	2°32	8°16	17°10	6° 6	18°11	18°23	18°24	n.a.	T 20
F 21	19 34 19	22° 0'26	25°11	17°16	0♋39	13°43	27°56	2°28	8°15	17°10	6° 5	18°11	18°19	18°31	n.a.	F 21
S 22	19 38 15	22°58'18	8♉32	18°34	1°52	14°22	27°55	2°24	8°13	17°10	6° 4	18°10	18°16	18°38	n.a.	S 22
S 23	19 42 12	23°56'12	22°22	19°51	3° 6	15° 1	27°53	2°20	8°12	17°10	6° 2	18° 8	18°13	18°44	n.a.	S 23
M24	19 46 8	24°54'07	6♊39	21° 5	4°19	15°39	27°52	2°16	8°10	17°10	6° 1	18° 4	18°10	18°51	n.a.	M24
T 25	19 50 5	25°52'05	21°23	22°18	5°33	16°18	27°51	2°12	8° 9	17°10	6° 0	17°57	18° 7	18°58	n.a.	T 25
W26	19 54 1	26°50'04	6♋27	23°29	6°46	16°57	27°50	2° 8	8° 7	17°10	5°59	17°47	18° 4	19° 5	n.a.	W26
T 27	19 57 58	27°48'06	21°44	24°37	8° 0	17°35	27°49	2° 4	8° 5	17°R10	5°57	17°37	18° 0	19°11	n.a.	T 27
F 28	20 1 55	28°46'09	7♌ 2	25°44	9°13	18°14	27°48	2° 0	8° 4	17°10	5°56	17°26	17°57	19°18	n.a.	F 28
S 29	20 5 51	29°44'13	22°10	26°48	10°27	18°53	27°48	1°57	8° 2	17°10	5°55	17°17	17°54	19°25	n.a.	S 29
S 30	20 9 48	0♌42'20	6♍58	27°49	11°41	19°32	27°48	1°53	8° 0	17°10	5°54	17° 9	17°51	19°31	n.a.	S 30
M31	20 13 44	1♌40'27	21♍19	28♌49	12♋55	20♌11	27°D48	1♑49	7♓58	17♈10	5♒52	17♎ 5	17♎48	19♑38	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n43	12n33	4s38	24n34	1n45	20n53	0s46	21n21	1n12	19s54	0n19	23s46	0s 4	9s11	0s48	4n56	1s59	31s39	13s14	7s59	7s41	17s38		n.a.
S 2	23 41	8 32	3 58	24 17	1 43	21 8	0 43	21 12	1 11	19 54	0 19	23 46	0 5	9 11	0 48	4 56	1 59	31 40	13 14	7 56	7 40	17 37		n.a.
M 3	23 40	4 10	3 5	23 59	1 39	21 23	0 41	21 3	1 11	19 53	0 19	23 46	0 5	9 12	0 48	4 57	1 59	31 40	13 15	7 55	7 38	17 37		n.a.
T 4	23 37	0s18	2 3	23 39	1 36	21 36	0 38	20 54	1 11	19 52	0 19	23 46	0 5	9 12	0 48	4 57	1 59	31 41	13 15	7 54	7 37	17 36		n.a.
W 5	23 35	4 37	0 56	23 18	1 32	21 49	0 35	20 45	1 10	19 51	0 18	23 46	0 5	9 12	0 48	4 57	1 59	31 41	13 15	7 54	7 36	17 35		n.a.
T 6	23 31	8 36	0n13	22 56	1 27	22 2	0 33	20 36	1 10	19 50	0 18	23 47	0 5	9 13	0 48	4 57	1 59	31 42	13 15	7 54	7 35	17 34		n.a.
F 7	23 28	12 6	1 18	22 32	1 22	22 14	0 30	20 26	1 10	19 49	0 18	23 47	0 5	9 13	0 48	4 58	1 59	31 42	13 15	7 54	7 33	17 33		n.a.
S 8	23 24	14 59	2 19	22 7	1 17	22 25	0 27	20 16	1 9	19 49	0 18	23 47	0 5	9 13	0 48	4 58	1 59	31 43	13 16	7 53	7 32	17 32		n.a.
S 9	23 19	17 10	3 13	21 40	1 11	22 36	0 24	20 7	1 9	19 48	0 18	23 47	0 5	9 14	0 48	4 58	1 59	31 43	13 16	7 51	7 31	17 31		n.a.
M10	23 15	18 33	3 57	21 13	1 5	22 46	0 22	19 57	1 9	19 47	0 17	23 47	0 5	9 14	0 48	4 58	1 59	31 44	13 16	7 48	7 30	17 31		n.a.
T 11	23 10	19 5	4 30	20 45	0 59	22 55	0 19	19 46	1 8	19 46	0 17	23 48	0 5	9 15	0 48	4 58	1 59	31 44	13 16	7 44	7 29	17 30		n.a.
W12	23 4	18 47	4 51	20 16	0 52	23 4	0 16	19 36	1 8	19 46	0 17	23 48	0 5	9 15	0 48	4 58	1 59	31 45	13 16	7 39	7 27	17 29		n.a.
T 13	22 58	17 40	4 59	19 47	0 45	23 12	0 14	19 26	1 8	19 45	0 17	23 48	0 6	9 15	0 48	4 58	1 59	31 45	13 17	7 34	7 26	17 28		n.a.
F 14	22 51	15 47	4 55	19 16	0 38	23 19	0 11	19 15	1 7	19 45	0 17	23 48	0 6	9 16	0 48	4 59	1 59	31 46	13 17	7 28	7 25	17 27		n.a.
S 15	22 45	13 14	4 37	18 46	0 30	23 26	0 8	19 4	1 7	19 44	0 17	23 48	0 6	9 16	0 48	4 59	1 59	31 46	13 17	7 23	7 24	17 26		n.a.
S 16	22 37	10 7	4 8	18 14	0 23	23 32	0 6	18 54	1 7	19 44	0 16	23 49	0 6	9 17	0 48	4 59	2 0	31 47	13 17	7 19	7 22	17 25		n.a.
M17	22 30	6 35	3 27	17 42	0 15	23 38	0 3	18 43	1 6	19 43	0 16	23 49	0 6	9 17	0 48	4 59	2 0	31 47	13 17	7 16	7 21	17 24		n.a.
T 18	22 22	2 43	2 36	17 10	0 6	23 42	0 0	18 31	1 6	19 43	0 16	23 49	0 6	9 18	0 48	4 59	2 0	31 48	13 17	7 14	7 20	17 24		n.a.
W19	22 13	1n18	1 37	16 38	0s 2	23 46	0n 2	18 20	1 6	19 43	0 16	23 49	0 6	9 18	0 48	4 59	2 0	31 48	13 17	7 13	7 19	17 23		n.a.
T 20	22 4	5 22	0 32	16 5	0 11	23 50	0 5	18 9	1 5	19 42	0 16	23 49	0 6	9 19	0 48	4 59	2 0	31 48	13 18	7 13	7 18	17 22		n.a.
F 21	21 55	9 17	0s37	15 33	0 20	23 52	0 8	17 57	1 5	19 42	0 15	23 49	0 6	9 20	0 48	4 59	2 0	31 49	13 18	7 13	7 16	17 21		n.a.
S 22	21 46	12 52	1 45	15 0	0 29	23 54	0 10	17 46	1 5	19 42	0 15	23 50	0 6	9 20	0 48	4 59	2 0	31 49	13 18	7 13	7 15	17 20		n.a.
S 23	21 36	15 51	2 50	14 27	0 38	23 55	0 13	17 34	1 4	19 42	0 15	23 50	0 6	9 21	0 48	4 59	2 0	31 50	13 18	7 12	7 14	17 19		n.a.
M24	21 25	17 59	3 46	13 54	0 47	23 56	0 15	17 22	1 4	19 42	0 15	23 50	0 6	9 21	0 48	4 59	2 0	31 50	13 18	7 10	7 13	17 18		n.a.
T 25	21 15	18 59	4 29	13 22	0 57	23 56	0 18	17 10	1 4	19 42	0 15	23 50	0 7	9 22	0 48	4 59	2 0	31 51	13 18	7 8	7 11	17 17		n.a.
W26	21 3	18 40	4 55	12 49	1 6	23 55	0 20	16 58	1 3	19 42	0 14	23 50	0 7	9 23	0 48	4 59	2 0	31 51	13 18	7 4	7 10	17 16		n.a.
T 27	20 52	17 2	5 0	12 18	1 16	23 53	0 23	16 45	1 3	19 42	0 14	23 50	0 7	9 23	0 48	4 59	2 0	31 52	13 18	7 0	7 9	17 15		n.a.
F 28	20 40	14 10	4 44	11 46	1 26	23 50	0 25	16 33	1 3	19 42	0 14	23 51	0 7	9 24	0 48	4 59	2 0	31 52	13 18	6 56	7 8	17 15		n.a.
S 29	20 28	10 24	4 7	11 15	1 35	23 47	0 28	16 20	1 2	19 42	0 14	23 51	0 7	9 25	0 48	4 59	2 0	31 52	13 18	6 52	7 7	17 14		n.a.
S 30	20 15	6 3	3 15	10 44	1 45	23 43	0 30	16 8	1 2	19 42	0 14	23 51	0 7	9 25	0 48	4 58	2 0	31 53	13 18	6 49	7 5	17 13		n.a.
M31	20n 2	1n28	2s12	10n15	1s55	23n39	0n33	15n55	1n 2	19s42	0n14	23s51	0s 7	9s26	0s49	4n58	2s 1	31s53	13s19	6s48	7s 4	17s12		n.a.

Julian Day Number = 1566373.5, Delta T = 04h20m41s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'05, Lahiri = - 9°49'05 Julian Calendar 1 July 425 BCE == Greg. Calendar 26 June 425 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

AUGUST 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 17 41	2♌38'37	5♎11	29♌45	14♋ 9	20♌50	27♏48	1°R46	7°R57	17°R10	5°R51	17°R 3	17♎44	19♉45	n.a.	T 1
W 2	20 21 37	3°36'48	18°34	0♍39	15°22	21°29	27°48	1♉42	7♓55	17♈10	5♒50	17°D 2	17°41	19°52	n.a.	W 2
T 3	20 25 34	4°35'00	1♏32	1°29	16°36	22° 8	27°49	1°39	7°53	17° 9	5°48	17°R 2	17°38	19°58	n.a.	T 3
F 4	20 29 30	5°33'14	14° 8	2°17	17°50	22°47	27°50	1°36	7°51	17° 9	5°47	17♎ 2	17°35	20° 5	n.a.	F 4
S 5	20 33 27	6°31'30	26°27	3° 1	19° 4	23°26	27°51	1°33	7°49	17° 9	5°46	17° 0	17°32	20°12	n.a.	S 5
S 6	20 37 24	7°29'48	8♐33	3°41	20°18	24° 5	27°52	1°29	7°47	17° 8	5°45	16°56	17°29	20°19	n.a.	S 6
M 7	20 41 20	8°28'07	20°32	4°17	21°32	24°44	27°53	1°26	7°45	17° 8	5°43	16°50	17°25	20°25	n.a.	M 7
T 8	20 45 17	9°26'28	2♑25	4°49	22°47	25°23	27°55	1°23	7°43	17° 8	5°42	16°40	17°22	20°32	n.a.	T 8
W 9	20 49 13	10°24'51	14°18	5°17	24° 1	26° 3	27°56	1°20	7°41	17° 7	5°41	16°29	17°19	20°39	n.a.	W 9
T 10	20 53 10	11°23'15	26°11	5°40	25°15	26°42	27°58	1°17	7°39	17° 7	5°40	16°17	17°16	20°45	n.a.	T 10
F 11	20 57 6	12°21'42	8♒ 6	5°57	26°29	27°21	28° 0	1°15	7°37	17° 6	5°38	16° 5	17°13	20°52	n.a.	F 11
S 12	21 1 3	13°20'10	20° 5	6° 9	27°43	28° 1	28° 3	1°12	7°35	17° 6	5°37	15°54	17°10	20°59	n.a.	S 12
S 13	21 4 59	14°18'41	2♓ 9	6°15	28°58	28°40	28° 5	1° 9	7°32	17° 5	5°36	15°44	17° 6	21° 6	n.a.	S 13
M14	21 8 56	15°17'13	14°20	6°R15	0♌12	29°20	28° 8	1° 7	7°30	17° 5	5°35	15°38	17° 3	21°12	n.a.	M14
T 15	21 12 53	16°15'48	26°39	6° 9	1°26	29°59	28°10	1° 4	7°28	17° 4	5°33	15°33	17° 0	21°19	n.a.	T 15
W16	21 16 49	17°14'25	9♈ 9	5°56	2°41	0♍39	28°13	1° 2	7°26	17° 3	5°32	15°32	16°57	21°26	n.a.	W16
T 17	21 20 46	18°13'04	21°52	5°36	3°55	1°18	28°17	0°59	7°24	17° 3	5°31	15°D32	16°54	21°33	n.a.	T 17
F 18	21 24 42	19°11'45	4♉52	5° 9	5°10	1°58	28°20	0°57	7°21	17° 2	5°30	15°32	16°50	21°39	n.a.	F 18
S 19	21 28 39	20°10'29	18°12	4°34	6°24	2°38	28°23	0°55	7°19	17° 1	5°28	15°R33	16°47	21°46	n.a.	S 19
S 20	21 32 35	21° 9'16	1♊53	3°53	7°39	3°17	28°27	0°53	7°17	17° 1	5°27	15°32	16°44	21°53	n.a.	S 20
M21	21 36 32	22° 8'05	15°59	3° 6	8°54	3°57	28°31	0°51	7°15	17° 0	5°26	15°30	16°41	21°59	n.a.	M21
T 22	21 40 28	23° 6'56	0♋28	2°12	10° 8	4°37	28°35	0°49	7°12	16°59	5°25	15°26	16°38	22° 6	n.a.	T 22
W23	21 44 25	24° 5'49	15°16	1°14	11°23	5°17	28°39	0°47	7°10	16°58	5°24	15°19	16°35	22°13	n.a.	W23
T 24	21 48 21	25° 4'45	0♌17	0°11	12°38	5°57	28°44	0°46	7° 8	16°57	5°22	15°12	16°31	22°20	n.a.	T 24
F 25	21 52 18	26° 3'43	15°23	29♌ 5	13°52	6°37	28°48	0°44	7° 5	16°56	5°21	15° 4	16°28	22°26	n.a.	F 25
S 26	21 56 15	27° 2'44	0♍23	27°58	15° 7	7°17	28°53	0°42	7° 3	16°55	5°20	14°57	16°25	22°33	n.a.	S 26
S 27	22 0 11	28° 1'46	15° 8	26°52	16°22	7°57	28°58	0°41	7° 0	16°54	5°19	14°52	16°22	22°40	n.a.	S 27
M28	22 4 8	29° 0'50	29°32	25°47	17°37	8°37	29° 3	0°40	6°58	16°53	5°18	14°49	16°19	22°46	n.a.	M28
T 29	22 8 4	29°59'57	13♎28	24°46	18°52	9°17	29° 9	0°39	6°56	16°52	5°17	14°D48	16°15	22°53	n.a.	T 29
W30	22 12 1	0♍59'05	26°58	23°50	20° 7	9°57	29°14	0°37	6°53	16°51	5°15	14°48	16°12	23° 0	n.a.	W30
T 31	22 15 57	1♍58'15	10♏ 1	23♌ 2	21♌21	10♍37	29♏20	0♉36	6♓51	16♈50	5♒14	14♎50	16♎ 9	23♉ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n49	3s 2	1s 2	9n46	2s 5	23n34	0n35	15n42	1n 1	19s42	0n13	23s51	0s 7	9s27	0s49	4n58	2s 1	31s54	13s19	6s47	7s 3	17s11		n.a.
W 2	19 36	7 15	0n 8	9 18	2 14	23 28	0 37	15 29	1 1	19 42	0 13	23 51	0 7	9 27	0 49	4 58	2 1	31 54	13 19	6 47	7 2	17 10		n.a.
T 3	19 22	10 58	1 16	8 50	2 24	23 21	0 39	15 16	1 0	19 43	0 13	23 51	0 7	9 28	0 49	4 58	2 1	31 54	13 19	6 47	7 0	17 9		n.a.
F 4	19 7	14 5	2 19	8 25	2 33	23 14	0 42	15 2	1 0	19 43	0 13	23 51	0 7	9 29	0 49	4 58	2 1	31 55	13 19	6 47	6 59	17 8		n.a.
S 5	18 53	16 29	3 13	8 0	2 43	23 5	0 44	14 49	1 0	19 43	0 13	23 52	0 8	9 30	0 49	4 58	2 1	31 55	13 19	6 46	6 58	17 7		n.a.
S 6	18 38	18 6	3 58	7 37	2 52	22 57	0 46	14 36	0 59	19 44	0 13	23 52	0 8	9 30	0 49	4 57	2 1	31 56	13 19	6 44	6 57	17 6		n.a.
M 7	18 23	18 53	4 31	7 15	3 1	22 47	0 48	14 22	0 59	19 44	0 12	23 52	0 8	9 31	0 49	4 57	2 1	31 56	13 19	6 42	6 55	17 5		n.a.
T 8	18 7	18 50	4 53	6 55	3 10	22 37	0 50	14 8	0 59	19 45	0 12	23 52	0 8	9 32	0 49	4 57	2 1	31 56	13 19	6 38	6 54	17 4		n.a.
W 9	17 51	17 58	5 2	6 38	3 18	22 26	0 52	13 54	0 58	19 45	0 12	23 52	0 8	9 33	0 49	4 57	2 1	31 57	13 19	6 34	6 53	17 3		n.a.
T 10	17 35	16 18	4 58	6 22	3 26	22 15	0 54	13 40	0 58	19 46	0 12	23 52	0 8	9 34	0 49	4 57	2 1	31 57	13 19	6 29	6 52	17 2		n.a.
F 11	17 19	13 57	4 41	6 9	3 33	22 2	0 56	13 26	0 57	19 47	0 12	23 52	0 8	9 34	0 49	4 56	2 1	31 57	13 19	6 24	6 51	17 2		n.a.
S 12	17 2	11 0	4 11	5 58	3 40	21 49	0 58	13 12	0 57	19 47	0 11	23 52	0 8	9 35	0 49	4 56	2 1	31 58	13 19	6 20	6 49	17 1		n.a.
S 13	16 45	7 35	3 30	5 50	3 46	21 36	1 0	12 58	0 57	19 48	0 11	23 53	0 8	9 36	0 49	4 56	2 1	31 58	13 19	6 16	6 48	17 0		n.a.
M14	16 27	3 48	2 39	5 45	3 51	21 22	1 1	12 44	0 56	19 49	0 11	23 53	0 8	9 37	0 49	4 55	2 1	31 58	13 19	6 14	6 47	16 59		n.a.
T 15	16 10	0n10	1 39	5 43	3 56	21 7	1 3	12 29	0 56	19 50	0 11	23 53	0 8	9 38	0 49	4 55	2 2	31 59	13 19	6 12	6 46	16 58		n.a.
W16	15 52	4 12	0 34	5 45	3 59	20 51	1 5	12 15	0 55	19 51	0 11	23 53	0 8	9 39	0 49	4 55	2 2	31 59	13 19	6 11	6 44	16 57		n.a.
T 17	15 34	8 6	0s34	5 51	4 1	20 35	1 6	12 0	0 55	19 51	0 11	23 53	0 8	9 39	0 49	4 55	2 2	31 59	13 19	6 11	6 43	16 56		n.a.
F 18	15 15	11 43	1 42	6 0	4 2	20 19	1 8	11 45	0 55	19 52	0 10	23 53	0 9	9 40	0 49	4 54	2 2	31 59	13 19	6 12	6 42	16 55		n.a.
S 19	14 57	14 49	2 46	6 13	4 1	20 1	1 9	11 31	0 54	19 53	0 10	23 53	0 9	9 41	0 49	4 54	2 2	32 0	13 19	6 12	6 41	16 54		n.a.
S 20	14 38	17 10	3 42	6 31	3 58	19 44	1 11	11 16	0 54	19 54	0 10	23 53	0 9	9 42	0 49	4 54	2 2	32 0	13 19	6 12	6 39	16 53		n.a.
M21	14 19	18 34	4 27	6 52	3 54	19 25	1 12	11 1	0 53	19 55	0 10	23 53	0 9	9 43	0 49	4 53	2 2	32 0	13 19	6 11	6 38	16 52		n.a.
T 22	13 59	18 48	4 56	7 17	3 48	19 6	1 13	10 45	0 53	19 56	0 10	23 53	0 9	9 44	0 49	4 53	2 2	32 1	13 19	6 9	6 37	16 51		n.a.
W23	13 39	17 47	5 7	7 45	3 40	18 47	1 14	10 30	0 52	19 57	0 10	23 53	0 9	9 45	0 49	4 52	2 2	32 1	13 18	6 6	6 36	16 50		n.a.
T 24	13 20	15 31	4 56	8 17	3 29	18 26	1 16	10 15	0 52	19 59	0 9	23 54	0 9	9 46	0 49	4 52	2 2	32 1	13 18	6 4	6 35	16 49		n.a.
F 25	12 59	12 12	4 25	8 52	3 17	18 6	1 17	10 0	0 52	20 0	0 9	23 54	0 9	9 47	0 49	4 52	2 2	32 1	13 18	6 0	6 33	16 48		n.a.
S 26	12 39	8 7	3 36	9 28	3 3	17 45	1 18	9 44	0 51	20 1	0 9	23 54	0 9	9 47	0 49	4 51	2 2	32 2	13 18	5 58	6 32	16 47		n.a.
S 27	12 19	3 35	2 33	10 6	2 47	17 23	1 19	9 29	0 51	20 2	0 9	23 54	0 9	9 48	0 49	4 51	2 2	32 2	13 18	5 56	6 31	16 46		n.a.
M28	11 58	1s 3	1 22	10 44	2 30	17 1	1 20	9 13	0 50	20 3	0 9	23 54	0 9	9 49	0 49	4 50	2 2	32 2	13 18	5 55	6 30	16 45		n.a.
T 29	11 37	5 30	0 7	11 22	2 11	16 38	1 21	8 57	0 50	20 5	0 9	23 54	0 9	9 50	0 49	4 50	2 2	32 2	13 18	5 54	6 28	16 44		n.a.
W30	11 16	9 30	1n 5	11 59	1 52	16 15	1 21	8 42	0 49	20 6	0 9	23 54	0 9	9 51	0 49	4 49	2 2	32 2	13 18	5 54	6 27	16 43		n.a.
T 31	10n54	12s55	2n12	12n34	1s32	15n51	1n22	8n26	0n49	20s 8	0n 8	23s54	0s10	9s52	0s49	4n49	2s 2	32s 3	13s18	5s55	6s26	16s42		n.a.

Julian Day Number = 1566404.5, Delta T = 04h20m40s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°56'01, Lahiri = - 9°49'00 Julian Calendar 1 Aug. 425 BCE == Greg. Calendar 27 July 425 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

SEPTEMBER 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 19 54	2♍57'28	22♏41	22°R21	22♌36	11♍18	29♏25	0°R35	6°R48	16°R49	5°R13	14♎51	16♎ 6	23♑13	n.a.	F 1
S 2	22 23 50	3°56'42	5♐ 2	21♌50	23°51	11°58	29°31	0♑35	6♓46	16♈48	5♒12	14°R52	16° 3	23°20	n.a.	S 2
S 3	22 27 47	4°55'58	17° 9	21°29	25° 6	12°38	29°37	0°34	6°43	16°47	5°11	14°51	16° 0	23°27	n.a.	S 3
M 4	22 31 44	5°55'16	29° 7	21°D19	26°21	13°19	29°44	0°33	6°41	16°46	5°10	14°48	15°56	23°34	n.a.	M 4
T 5	22 35 40	6°54'35	11♑ 0	21°19	27°36	13°59	29°50	0°33	6°39	16°44	5° 9	14°44	15°53	23°40	n.a.	T 5
W 6	22 39 37	7°53'57	22°52	21°30	28°52	14°40	29°57	0°32	6°36	16°43	5° 8	14°38	15°50	23°47	n.a.	W 6
T 7	22 43 33	8°53'21	4♒47	21°51	0♍ 7	15°20	0♐ 3	0°32	6°34	16°42	5° 7	14°32	15°47	23°54	n.a.	T 7
F 8	22 47 30	9°52'46	16°46	22°22	1°22	16° 1	0°10	0°32	6°31	16°41	5° 6	14°25	15°44	24° 0	n.a.	F 8
S 9	22 51 26	10°52'14	28°53	23° 2	2°37	16°41	0°17	0°32	6°29	16°39	5° 5	14°19	15°41	24° 7	n.a.	S 9
S 10	22 55 23	11°51'44	11♓ 8	23°51	3°52	17°22	0°24	0°D32	6°27	16°38	5° 4	14°14	15°37	24°14	n.a.	S 10
M11	22 59 19	12°51'16	23°33	24°47	5° 7	18° 3	0°32	0°32	6°24	16°37	5° 3	14°11	15°34	24°21	n.a.	M11
T 12	23 3 16	13°50'50	6♈ 8	25°51	6°22	18°43	0°39	0°32	6°22	16°35	5° 2	14° 9	15°31	24°27	n.a.	T 12
W13	23 7 12	14°50'26	18°55	27° 1	7°38	19°24	0°47	0°32	6°19	16°34	5° 1	14°D 9	15°28	24°34	n.a.	W13
T 14	23 11 9	15°50'05	1♉54	28°16	8°53	20° 5	0°54	0°32	6°17	16°33	5° 0	14°10	15°25	24°41	n.a.	T 14
F 15	23 15 6	16°49'46	15° 6	29°36	10° 8	20°46	1° 2	0°33	6°15	16°31	4°59	14°11	15°21	24°47	n.a.	F 15
S 16	23 19 2	17°49'29	28°33	1♍ 0	11°23	21°27	1°10	0°33	6°12	16°30	4°58	14°13	15°18	24°54	n.a.	S 16
S 17	23 22 59	18°49'15	12♊16	2°28	12°39	22° 8	1°18	0°34	6°10	16°28	4°58	14°14	15°15	25° 1	n.a.	S 17
M18	23 26 55	19°49'03	26°15	3°59	13°54	22°49	1°27	0°35	6° 7	16°27	4°57	14°R14	15°12	25° 8	n.a.	M18
T 19	23 30 52	20°48'54	10♋29	5°31	15° 9	23°30	1°35	0°36	6° 5	16°25	4°56	14°13	15° 9	25°14	n.a.	T 19
W20	23 34 48	21°48'47	24°57	7° 6	16°25	24°11	1°44	0°37	6° 3	16°24	4°55	14°11	15° 6	25°21	n.a.	W20
T 21	23 38 45	22°48'42	9♌34	8°43	17°40	24°52	1°52	0°38	6° 1	16°22	4°54	14° 8	15° 2	25°28	n.a.	T 21
F 22	23 42 41	23°48'39	24°14	10°20	18°55	25°33	2° 1	0°39	5°58	16°21	4°54	14° 5	14°59	25°35	n.a.	F 22
S 23	23 46 38	24°48'39	8♍51	11°59	20°11	26°15	2°10	0°40	5°56	16°19	4°53	14° 2	14°56	25°41	n.a.	S 23
S 24	23 50 34	25°48'41	23°19	13°38	21°26	26°56	2°19	0°42	5°54	16°18	4°52	14° 1	14°53	25°48	n.a.	S 24
M25	23 54 31	26°48'44	7♎30	15°18	22°41	27°37	2°29	0°43	5°51	16°16	4°51	14°D 0	14°50	25°55	n.a.	M25
T 26	23 58 28	27°48'50	21°21	16°58	23°57	28°19	2°38	0°45	5°49	16°15	4°51	14° 0	14°46	26° 1	n.a.	T 26
W27	0 2 24	28°48'58	4♏50	18°38	25°12	29° 0	2°47	0°46	5°47	16°13	4°50	14° 1	14°43	26° 8	n.a.	W27
T 28	0 6 21	29°49'07	17°55	20°18	26°28	29°42	2°57	0°48	5°45	16°11	4°49	14° 2	14°40	26°15	n.a.	T 28
F 29	0 10 17	0♎49'18	0♐39	21°59	27°43	0♎23	3° 7	0°50	5°43	16°10	4°49	14° 3	14°37	26°22	n.a.	F 29
S 30	0 14 14	1♎49'31	13♐ 4	23♍39	28♍59	1♎ 5	3♐16	0♑52	5♓41	16♈ 8	4♒48	14♎ 4	14♎34	26♑28	n.a.	S 30

Day	☉		☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n33	15s36	3n11	13n 6	1s12	15n27	1n23	8n10	0n49	20s 9	0n 8	23s54	0s10	9s53	0s49	4n49	2s 2	32s 3	13s18	5s55	6s25	16s41		n.a.
S 2	10 11	17 30	3 59	13 35	0 52	15 3	1 23	7 54	0 48	20 10	0 8	23 54	0 10	9 54	0 49	4 48	2 2	32 3	13 17	5 56	6 23	16 40		n.a.
S 3	9 49	18 33	4 35	14 0	0 33	14 38	1 24	7 38	0 48	20 12	0 8	23 54	0 10	9 55	0 49	4 48	2 3	32 3	13 17	5 55	6 22	16 39		n.a.
M 4	9 27	18 46	4 59	14 22	0 14	14 13	1 24	7 22	0 47	20 13	0 8	23 54	0 10	9 56	0 49	4 47	2 3	32 3	13 17	5 54	6 21	16 38		n.a.
T 5	9 5	18 8	5 10	14 38	0n 4	13 47	1 25	7 6	0 47	20 15	0 8	23 54	0 10	9 56	0 49	4 47	2 3	32 3	13 17	5 53	6 20	16 37		n.a.
W 6	8 43	16 44	5 7	14 51	0 21	13 21	1 25	6 50	0 46	20 16	0 8	23 55	0 10	9 57	0 49	4 46	2 3	32 4	13 17	5 50	6 18	16 36		n.a.
T 7	8 20	14 36	4 51	14 58	0 36	12 54	1 25	6 33	0 46	20 18	0 7	23 55	0 10	9 58	0 49	4 46	2 3	32 4	13 17	5 48	6 17	16 35		n.a.
F 8	7 58	11 50	4 23	15 2	0 50	12 27	1 26	6 17	0 45	20 20	0 7	23 55	0 10	9 59	0 49	4 45	2 3	32 4	13 17	5 45	6 16	16 34		n.a.
S 9	7 35	8 33	3 42	15 0	1 3	12 0	1 26	6 0	0 45	20 21	0 7	23 55	0 10	10 0	0 49	4 44	2 3	32 4	13 17	5 43	6 15	16 33		n.a.
S 10	7 12	4 51	2 51	14 55	1 14	11 33	1 26	5 44	0 44	20 23	0 7	23 55	0 10	10 1	0 49	4 44	2 3	32 4	13 16	5 41	6 14	16 32		n.a.
M11	6 49	0 54	1 50	14 45	1 24	11 5	1 26	5 27	0 44	20 25	0 7	23 55	0 10	10 2	0 49	4 43	2 3	32 4	13 16	5 40	6 12	16 31		n.a.
T 12	6 26	3n 8	0 44	14 31	1 33	10 37	1 26	5 11	0 44	20 26	0 7	23 55	0 10	10 3	0 49	4 43	2 3	32 4	13 16	5 39	6 11	16 30		n.a.
W13	6 3	7 6	0s26	14 14	1 40	10 8	1 26	4 54	0 43	20 28	0 6	23 55	0 10	10 4	0 49	4 42	2 3	32 4	13 16	5 39	6 10	16 29		n.a.
T 14	5 39	10 47	1 36	13 53	1 46	9 40	1 25	4 38	0 43	20 30	0 6	23 55	0 11	10 5	0 49	4 42	2 3	32 4	13 16	5 39	6 9	16 28		n.a.
F 15	5 16	14 0	2 42	13 29	1 51	9 11	1 25	4 21	0 42	20 32	0 6	23 55	0 11	10 5	0 49	4 41	2 3	32 4	13 15	5 40	6 7	16 27		n.a.
S 16	4 52	16 31	3 40	13 3	1 55	8 41	1 25	4 4	0 42	20 33	0 6	23 55	0 11	10 6	0 49	4 40	2 3	32 4	13 15	5 40	6 6	16 26		n.a.
S 17	4 29	18 8	4 27	12 33	1 58	8 12	1 25	3 47	0 41	20 35	0 6	23 55	0 11	10 7	0 49	4 40	2 3	32 5	13 15	5 41	6 5	16 25		n.a.
M18	4 5	18 42	4 59	12 2	2 0	7 42	1 24	3 30	0 41	20 37	0 6	23 55	0 11	10 8	0 49	4 39	2 3	32 5	13 15	5 41	6 4	16 24		n.a.
T 19	3 41	18 6	5 14	11 28	2 0	7 12	1 24	3 14	0 40	20 39	0 6	23 55	0 11	10 9	0 49	4 39	2 3	32 5	13 15	5 40	6 2	16 23		n.a.
W20	3 17	16 21	5 9	10 52	2 1	6 42	1 23	2 57	0 40	20 41	0 6	23 55	0 11	10 10	0 49	4 38	2 3	32 5	13 15	5 40	6 1	16 22		n.a.
T 21	2 53	13 31	4 44	10 15	2 0	6 12	1 22	2 40	0 39	20 43	0 5	23 56	0 11	10 11	0 49	4 37	2 3	32 5	13 14	5 39	6 0	16 21		n.a.
F 22	2 29	9 50	4 1	9 37	1 59	5 41	1 22	2 23	0 39	20 45	0 5	23 56	0 11	10 11	0 49	4 37	2 3	32 5	13 14	5 37	5 59	16 19		n.a.
S 23	2 5	5 33	3 2	8 57	1 57	5 11	1 21	2 6	0 38	20 47	0 5	23 56	0 11	10 12	0 49	4 36	2 3	32 5	13 14	5 36	5 57	16 18		n.a.
S 24	1 41	0 59	1 52	8 16	1 54	4 40	1 20	1 49	0 38	20 49	0 5	23 56	0 11	10 13	0 49	4 36	2 3	32 5	13 14	5 36	5 56	16 17		n.a.
M25	1 17	3s34	0 36	7 34	1 51	4 9	1 19	1 31	0 37	20 51	0 5	23 56	0 11	10 14	0 49	4 35	2 3	32 5	13 13	5 35	5 55	16 16		n.a.
T 26	0 53	7 48	0n41	6 52	1 48	3 38	1 18	1 14	0 37	20 52	0 5	23 56	0 11	10 15	0 49	4 34	2 3	32 5	13 13	5 35	5 54	16 15		n.a.
W27	0 29	11 32	1 53	6 8	1 44	3 7	1 17	0 57	0 36	20 54	0 5	23 56	0 11	10 16	0 49	4 34	2 3	32 5	13 13	5 36	5 52	16 14		n.a.
T 28	0 4	14 34	2 57	5 25	1 40	2 35	1 16	0 40	0 36	20 57	0 4	23 56	0 11	10 16	0 49	4 33	2 3	32 4	13 13	5 36	5 51	16 13		n.a.
F 29	0s20	16 47	3 50	4 40	1 35	2 4	1 15	0 23	0 35	20 59	0 4	23 56	0 11	10 17	0 49	4 32	2 3	32 4	13 13	5 37	5 50	16 12		n.a.
S 30	0s44	18s10	4n32	3n56	1n30	1n32	1n14	0n 6	0n35	21s 1	0n 4	23s56	0s12	10s18	0s49	4n32	2s 3	32s 4	13s12	5s37	5s49	16s11		n.a.

Julian Day Number = 1566435.5, Delta T = 04h20m39s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'57, Lahiri = - 9°48'56 Julian Calendar 1 Sept. 425 BCE == Greg. Calendar 27 Aug. 425 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

OCTOBER 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 18 10	2♎49'46	25♐14	25♍18	0♎14	1♎46	3♐26	0♑54	5°R39	16°R 6	4°R48	14♎ 5	14♎31	26♑35	n.a.	S 1
M 2	0 22 7	3°50'02	7♑14	26°58	1°30	2°28	3°36	0°56	5♓37	16♈ 5	4♒47	14°R 5	14°27	26°42	n.a.	M 2
T 3	0 26 3	4°50'20	19° 7	28°37	2°45	3°10	3°47	0°59	5°34	16° 3	4°47	14° 4	14°24	26°48	n.a.	T 3
W 4	0 30 0	5°50'39	1♒ 0	0♎16	4° 1	3°52	3°57	1° 1	5°32	16° 2	4°46	14° 4	14°21	26°55	n.a.	W 4
T 5	0 33 57	6°51'00	12°55	1°55	5°16	4°33	4° 7	1° 3	5°30	16° 0	4°46	14° 3	14°18	27° 2	n.a.	T 5
F 6	0 37 53	7°51'23	24°58	3°34	6°32	5°15	4°18	1° 6	5°29	15°58	4°45	14° 2	14°15	27° 9	n.a.	F 6
S 7	0 41 50	8°51'47	7♓11	5°12	7°47	5°57	4°28	1° 9	5°27	15°56	4°45	14° 1	14°12	27°15	n.a.	S 7
S 8	0 45 46	9°52'12	19°37	6°49	9° 2	6°39	4°39	1°11	5°25	15°55	4°44	14° 0	14° 8	27°22	n.a.	S 8
M 9	0 49 43	10°52'40	2♈17	8°27	10°18	7°21	4°50	1°14	5°23	15°53	4°44	14° 0	14° 5	27°29	n.a.	M 9
T 10	0 53 39	11°53'09	15°11	10° 4	11°33	8° 3	5° 1	1°17	5°21	15°51	4°44	14°D 0	14° 2	27°36	n.a.	T 10
W11	0 57 36	12°53'40	28°21	11°40	12°49	8°45	5°11	1°20	5°19	15°50	4°43	14° 0	13°59	27°42	n.a.	W11
T 12	1 1 32	13°54'12	11♉45	13°17	14° 4	9°28	5°23	1°23	5°18	15°48	4°43	14°R 0	13°56	27°49	n.a.	T 12
F 13	1 5 29	14°54'47	25°21	14°53	15°20	10°10	5°34	1°27	5°16	15°46	4°43	14° 0	13°52	27°56	n.a.	F 13
S 14	1 9 25	15°55'23	9♊ 9	16°28	16°36	10°52	5°45	1°30	5°14	15°45	4°42	14° 0	13°49	28° 2	n.a.	S 14
S 15	1 13 22	16°56'01	23° 6	18° 4	17°51	11°34	5°56	1°33	5°13	15°43	4°42	14° 0	13°46	28° 9	n.a.	S 15
M16	1 17 19	17°56'41	7♋10	19°39	19° 7	12°17	6° 8	1°37	5°11	15°41	4°42	13°59	13°43	28°16	n.a.	M16
T 17	1 21 15	18°57'23	21°19	21°14	20°22	12°59	6°19	1°40	5° 9	15°40	4°42	13°D59	13°40	28°23	n.a.	T 17
W18	1 25 12	19°58'07	5♌32	22°48	21°38	13°41	6°31	1°44	5° 8	15°38	4°42	14° 0	13°37	28°29	n.a.	W18
T 19	1 29 8	20°58'52	19°46	24°23	22°53	14°24	6°43	1°48	5° 6	15°36	4°41	14° 0	13°33	28°36	n.a.	T 19
F 20	1 33 5	21°59'39	3♍58	25°57	24° 9	15° 6	6°54	1°51	5° 5	15°34	4°41	14° 1	13°30	28°43	n.a.	F 20
S 21	1 37 1	23° 0'28	18° 6	27°31	25°24	15°49	7° 6	1°55	5° 3	15°33	4°41	14° 2	13°27	28°49	n.a.	S 21
S 22	1 40 58	24° 1'18	2♎ 5	29° 5	26°40	16°32	7°18	1°59	5° 2	15°31	4°41	14° 2	13°24	28°56	n.a.	S 22
M23	1 44 54	25° 2'10	15°53	0♏39	27°55	17°14	7°30	2° 3	5° 1	15°29	4°41	14°R 2	13°21	29° 3	n.a.	M23
T 24	1 48 51	26° 3'04	29°27	2°13	29°11	17°57	7°42	2° 8	4°59	15°28	4°D41	14° 2	13°17	29°10	n.a.	T 24
W25	1 52 48	27° 3'58	12♏44	3°46	0♏26	18°40	7°55	2°12	4°58	15°26	4°41	14° 1	13°14	29°16	n.a.	W25
T 26	1 56 44	28° 4'54	25°44	5°19	1°42	19°23	8° 7	2°16	4°57	15°24	4°41	13°59	13°11	29°23	n.a.	T 26
F 27	2 0 41	29° 5'51	8♐25	6°53	2°57	20° 6	8°19	2°21	4°56	15°23	4°41	13°57	13° 8	29°30	n.a.	F 27
S 28	2 4 37	0♏ 6'49	20°51	8°26	4°13	20°48	8°32	2°25	4°55	15°21	4°41	13°54	13° 5	29°36	n.a.	S 28
S 29	2 8 34	1° 7'48	3♑ 2	9°59	5°28	21°31	8°44	2°30	4°54	15°20	4°41	13°52	13° 2	29°43	n.a.	S 29
M30	2 12 30	2° 8'48	15° 2	11°32	6°44	22°14	8°57	2°34	4°53	15°18	4°42	13°50	12°58	29°50	n.a.	M30
T 31	2 16 27	3♏ 9'49	26♑56	13♏ 4	7♏59	22♎57	9♐ 9	2♑39	4♓52	15♈16	4♒42	13♎49	12♎55	29♑57	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	1s 8	18s40	5n 0	3n11	1n25	1n 1	1n13	0s12	0n34	21s 3	0n 4	23s56	0s12	10s19	0s49	4n31	2s 3	32s 4	13s12	5s37	5s47	16s10			n.a.
M 2	1 33	18 19	5 15	2 26	1 20	0 29	1 11	0 29	0 34	21 5	0 4	23 56	0 12	10 19	0 49	4 30	2 3	32 4	13 12	5 37	5 46	16 9			n.a.
T 3	1 57	17 9	5 16	1 41	1 14	0s 2	1 10	0 46	0 33	21 7	0 4	23 56	0 12	10 20	0 49	4 30	2 3	32 4	13 12	5 37	5 45	16 8			n.a.
W 4	2 21	15 16	5 3	0 56	1 8	0 34	1 9	1 3	0 32	21 9	0 4	23 56	0 12	10 21	0 49	4 29	2 3	32 4	13 11	5 37	5 44	16 7			n.a.
T 5	2 45	12 43	4 38	0 11	1 2	1 5	1 7	1 21	0 32	21 11	0 4	23 56	0 12	10 22	0 49	4 28	2 4	32 4	13 11	5 36	5 42	16 6			n.a.
F 6	3 9	9 36	4 0	0s35	0 56	1 37	1 6	1 38	0 31	21 13	0 3	23 56	0 12	10 22	0 49	4 28	2 4	32 4	13 11	5 36	5 41	16 5			n.a.
S 7	3 33	6 2	3 10	1 20	0 50	2 9	1 4	1 55	0 31	21 15	0 3	23 56	0 12	10 23	0 48	4 27	2 4	32 4	13 11	5 36	5 40	16 3			n.a.
S 8	3 57	2 9	2 11	2 4	0 44	2 40	1 3	2 13	0 30	21 17	0 3	23 56	0 12	10 24	0 48	4 27	2 4	32 3	13 10	5 36	5 39	16 2			n.a.
M 9	4 21	1n54	1 5	2 49	0 37	3 12	1 1	2 30	0 30	21 19	0 3	23 56	0 12	10 24	0 48	4 26	2 4	32 3	13 10	5 35	5 37	16 1			n.a.
T 10	4 45	5 57	0s 7	3 34	0 31	3 43	0 59	2 47	0 29	21 21	0 3	23 56	0 12	10 25	0 48	4 25	2 4	32 3	13 10	5 35	5 36	16 0			n.a.
W11	5 9	9 48	1 19	4 18	0 24	4 14	0 58	3 5	0 29	21 24	0 3	23 56	0 12	10 26	0 48	4 25	2 4	32 3	13 10	5 35	5 35	15 59			n.a.
T 12	5 33	13 12	2 28	5 2	0 18	4 46	0 56	3 22	0 28	21 26	0 3	23 57	0 12	10 26	0 48	4 24	2 4	32 3	13 9	5 35	5 34	15 58			n.a.
F 13	5 57	15 57	3 30	5 46	0 11	5 17	0 54	3 39	0 28	21 28	0 3	23 57	0 12	10 27	0 48	4 23	2 4	32 3	13 9	5 35	5 32	15 57			n.a.
S 14	6 21	17 49	4 21	6 29	0 5	5 48	0 52	3 56	0 27	21 30	0 2	23 57	0 12	10 27	0 48	4 23	2 4	32 2	13 9	5 35	5 31	15 56			n.a.
S 15	6 44	18 38	4 56	7 12	0s 2	6 19	0 50	4 14	0 26	21 32	0 2	23 57	0 12	10 28	0 48	4 22	2 4	32 2	13 8	5 35	5 30	15 55			n.a.
M16	7 8	18 18	5 15	7 55	0 8	6 50	0 48	4 31	0 26	21 34	0 2	23 57	0 13	10 29	0 48	4 21	2 4	32 2	13 8	5 35	5 29	15 54			n.a.
T 17	7 31	16 51	5 15	8 37	0 15	7 20	0 46	4 48	0 25	21 36	0 2	23 57	0 13	10 29	0 48	4 21	2 4	32 2	13 8	5 35	5 27	15 52			n.a.
W18	7 54	14 21	4 55	9 19	0 21	7 51	0 44	5 5	0 25	21 38	0 2	23 57	0 13	10 30	0 48	4 20	2 4	32 2	13 8	5 35	5 26	15 51			n.a.
T 19	8 17	11 0	4 18	10 0	0 28	8 21	0 42	5 22	0 24	21 41	0 2	23 57	0 13	10 30	0 48	4 19	2 4	32 1	13 7	5 35	5 25	15 50			n.a.
F 20	8 40	7 0	3 24	10 41	0 34	8 51	0 40	5 40	0 24	21 43	0 2	23 57	0 13	10 31	0 48	4 19	2 4	32 1	13 7	5 36	5 24	15 49			n.a.
S 21	9 3	2 38	2 19	11 21	0 41	9 21	0 38	5 57	0 23	21 45	0 2	23 57	0 13	10 31	0 48	4 18	2 4	32 1	13 7	5 36	5 22	15 48			n.a.
S 22	9 26	1s51	1 6	12 1	0 47	9 51	0 36	6 14	0 23	21 47	0 2	23 57	0 13	10 32	0 48	4 17	2 3	32 1	13 7	5 36	5 21	15 47			n.a.
M23	9 49	6 10	0n10	12 40	0 53	10 20	0 34	6 31	0 22	21 49	0 1	23 57	0 13	10 32	0 48	4 17	2 3	32 0	13 6	5 36	5 20	15 46			n.a.
T 24	10 11	10 6	1 24	13 19	0 59	10 50	0 32	6 48	0 21	21 51	0 1	23 57	0 13	10 33	0 48	4 16	2 3	32 0	13 6	5 36	5 19	15 45			n.a.
W25	10 33	13 26	2 32	13 57	1 5	11 19	0 30	7 5	0 21	21 53	0 1	23 57	0 13	10 33	0 48	4 15	2 3	32 0	13 6	5 36	5 17	15 43			n.a.
T 26	10 56	16 1	3 31	14 34	1 11	11 47	0 27	7 22	0 20	21 55	0 1	23 57	0 13	10 33	0 48	4 15	2 3	32 0	13 5	5 35	5 16	15 42			n.a.
F 27	11 18	17 45	4 17	15 11	1 16	12 16	0 25	7 39	0 20	21 57	0 1	23 57	0 13	10 34	0 48	4 14	2 3	31 59	13 5	5 34	5 15	15 41			n.a.
S 28	11 39	18 36	4 50	15 47	1 22	12 44	0 23	7 56	0 19	22 0	0 1	23 57	0 13	10 34	0 48	4 14	2 3	31 59	13 5	5 33	5 14	15 40			n.a.
S 29	12 1	18 33	5 10	16 22	1 27	13 12	0 20	8 13	0 18	22 2	0 1	23 57	0 13	10 35	0 48	4 13	2 3	31 59	13 5	5 32	5 12	15 39			n.a.
M30	12 22	17 40	5 15	16 56	1 32	13 39	0 18	8 29	0 18	22 4	0 1	23 57	0 13	10 35	0 48	4 12	2 3	31 58	13 4	5 32	5 11	15 38			n.a.
T 31	12s43	16s 1	5n 7	17s30	1s37	14s 6	0n16	8s46	0n17	22s 6	0n 1	23s56	0s13	10s35	0s48	4n12	2s 3	31s58	13s 4	5s31	5s10	15s37			n.a.

Julian Day Number = 1566465.5, Delta T = 04h20m38s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'53, Lahiri = - 9°48'52 Julian Calendar 1 Oct. 425 BCE == Greg. Calendar 26 Sept. 425 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

NOVEMBER 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 20 23	4♏10'50	8♒48	14♏37	9♏15	23♎41	9♐22	2♑44	4°R51	15°R15	4♒42	13°D49	12♎52	0♒ 3	n.a.	W 1
T 2	2 24 20	5°11'53	20°43	16°10	10°30	24°24	9°35	2°48	4♓50	15♈13	4°42	13♎50	12°49	0°10	n.a.	T 2
F 3	2 28 17	6°12'56	2♓45	17°42	11°46	25° 7	9°47	2°53	4°49	15°12	4°42	13°52	12°46	0°17	n.a.	F 3
S 4	2 32 13	7°13'59	15° 0	19°15	13° 1	25°50	10° 0	2°58	4°48	15°10	4°43	13°53	12°43	0°23	n.a.	S 4
S 5	2 36 10	8°15'04	27°31	20°47	14°17	26°33	10°13	3° 3	4°48	15° 8	4°43	13°55	12°39	0°30	n.a.	S 5
M 6	2 40 6	9°16'09	10♈21	22°19	15°32	27°17	10°26	3° 9	4°47	15° 7	4°43	13°R56	12°36	0°37	n.a.	M 6
T 7	2 44 3	10°17'15	23°31	23°51	16°48	28° 0	10°39	3°14	4°46	15° 5	4°44	13°55	12°33	0°44	n.a.	T 7
W 8	2 47 59	11°18'22	7♉ 3	25°22	18° 3	28°43	10°52	3°19	4°46	15° 4	4°44	13°54	12°30	0°50	n.a.	W 8
T 9	2 51 56	12°19'29	20°53	26°53	19°19	29°27	11° 5	3°24	4°45	15° 2	4°44	13°51	12°27	0°57	n.a.	T 9
F 10	2 55 52	13°20'37	5♊ 0	28°24	20°34	0♏10	11°19	3°30	4°45	15° 1	4°45	13°46	12°23	1° 4	n.a.	F 10
S 11	2 59 49	14°21'47	19°17	29°55	21°50	0°54	11°32	3°35	4°44	15° 0	4°45	13°42	12°20	1°10	n.a.	S 11
S 12	3 3 46	15°22'57	3♋39	1♐24	23° 5	1°37	11°45	3°41	4°44	14°58	4°46	13°37	12°17	1°17	n.a.	S 12
M13	3 7 42	16°24'08	18° 3	2°53	24°20	2°21	11°58	3°46	4°44	14°57	4°46	13°33	12°14	1°24	n.a.	M13
T 14	3 11 39	17°25'19	2♌22	4°22	25°36	3° 5	12°12	3°52	4°43	14°55	4°47	13°31	12°11	1°31	n.a.	T 14
W15	3 15 35	18°26'32	16°34	5°49	26°51	3°49	12°25	3°58	4°43	14°54	4°47	13°D30	12° 8	1°37	n.a.	W15
T 16	3 19 32	19°27'45	0♍37	7°15	28° 7	4°32	12°39	4° 3	4°43	14°53	4°48	13°30	12° 4	1°44	n.a.	T 16
F 17	3 23 28	20°28'59	14°29	8°40	29°22	5°16	12°52	4° 9	4°43	14°51	4°48	13°31	12° 1	1°51	n.a.	F 17
S 18	3 27 25	21°30'14	28°11	10° 3	0♐38	6° 0	13° 6	4°15	4°43	14°50	4°49	13°33	11°58	1°58	n.a.	S 18
S 19	3 31 22	22°31'30	11♎43	11°24	1°53	6°44	13°19	4°21	4°D43	14°49	4°50	13°R34	11°55	2° 4	n.a.	S 19
M20	3 35 18	23°32'46	25° 4	12°43	3° 8	7°28	13°33	4°27	4°43	14°47	4°50	13°33	11°52	2°11	n.a.	M20
T 21	3 39 15	24°34'02	8♏13	13°58	4°24	8°12	13°47	4°33	4°43	14°46	4°51	13°30	11°49	2°18	n.a.	T 21
W22	3 43 11	25°35'19	21°11	15°11	5°39	8°56	14° 0	4°39	4°43	14°45	4°52	13°26	11°45	2°24	n.a.	W22
T 23	3 47 8	26°36'37	3♐56	16°20	6°54	9°40	14°14	4°45	4°43	14°44	4°52	13°19	11°42	2°31	n.a.	T 23
F 24	3 51 4	27°37'54	16°28	17°24	8°10	10°24	14°28	4°51	4°44	14°43	4°53	13°10	11°39	2°38	n.a.	F 24
S 25	3 55 1	28°39'12	28°48	18°24	9°25	11° 8	14°42	4°58	4°44	14°42	4°54	13° 1	11°36	2°45	n.a.	S 25
S 26	3 58 57	29°40'29	10♑57	19°17	10°41	11°52	14°56	5° 4	4°44	14°40	4°55	12°53	11°33	2°51	n.a.	S 26
M27	4 2 54	0♐41'47	22°56	20° 4	11°56	12°37	15° 9	5°10	4°45	14°39	4°56	12°45	11°29	2°58	n.a.	M27
T 28	4 6 51	1°43'04	4♒49	20°43	13°11	13°21	15°23	5°17	4°45	14°38	4°57	12°39	11°26	3° 5	n.a.	T 28
W29	4 10 47	2°44'21	16°39	21°14	14°26	14° 5	15°37	5°23	4°46	14°37	4°57	12°35	11°23	3°11	n.a.	W29
T 30	4 14 44	3♐45'37	28♒31	21♐35	15♐42	14♏50	15♐51	5♑30	4♓46	14♈36	4♒58	12°D33	11♎20	3♒18	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13s 4	13s41	4n46	18s 3	1s42	14s33	0n13	9s 3	0n17	22s 8	0n 0	23s56	0s14	10s36	0s48	4n11	2s 3	31s58	13s 4	5s31	5s 9	15s35		n.a.
T 2	13 25	10 47	4 13	18 35	1 46	14 59	0 11	9 20	0 16	22 10	0 0	23 56	0 14	10 36	0 48	4 11	2 3	31 57	13 3	5 32	5 7	15 34		n.a.
F 3	13 46	7 24	3 28	19 6	1 51	15 25	0 9	9 36	0 15	22 12	0 0	23 56	0 14	10 36	0 48	4 10	2 3	31 57	13 3	5 32	5 6	15 33		n.a.
S 4	14 6	3 38	2 33	19 36	1 55	15 51	0 6	9 53	0 15	22 14	0 0	23 56	0 14	10 36	0 48	4 9	2 3	31 57	13 3	5 33	5 5	15 32		n.a.
S 5	14 26	0n22	1 29	20 5	1 59	16 16	0 4	10 9	0 14	22 16	0s 0	23 56	0 14	10 37	0 48	4 9	2 3	31 56	13 3	5 33	5 4	15 31		n.a.
M 6	14 46	4 27	0 20	20 33	2 2	16 41	0 2	10 25	0 14	22 18	0 0	23 56	0 14	10 37	0 48	4 8	2 3	31 56	13 2	5 34	5 2	15 30		n.a.
T 7	15 6	8 26	0s52	20 59	2 5	17 5	0s 1	10 42	0 13	22 20	0 0	23 56	0 14	10 37	0 47	4 8	2 3	31 56	13 2	5 34	5 1	15 29		n.a.
W 8	15 25	12 6	2 3	21 25	2 8	17 29	0 3	10 58	0 12	22 22	0 0	23 56	0 14	10 37	0 47	4 7	2 3	31 55	13 2	5 33	5 0	15 27		n.a.
T 9	15 44	15 10	3 9	21 49	2 10	17 52	0 6	11 14	0 12	22 24	0 0	23 56	0 14	10 37	0 47	4 7	2 3	31 55	13 1	5 32	4 59	15 26		n.a.
F 10	16 3	17 24	4 4	22 13	2 13	18 15	0 8	11 30	0 11	22 26	0 1	23 56	0 14	10 37	0 47	4 6	2 3	31 54	13 1	5 30	4 57	15 25		n.a.
S 11	16 21	18 35	4 44	22 34	2 14	18 37	0 10	11 46	0 10	22 28	0 1	23 56	0 14	10 38	0 47	4 5	2 3	31 54	13 1	5 28	4 56	15 24		n.a.
S 12	16 39	18 34	5 7	22 55	2 15	18 59	0 13	12 2	0 10	22 30	0 1	23 56	0 14	10 38	0 47	4 5	2 3	31 54	13 1	5 26	4 55	15 23		n.a.
M13	16 57	17 22	5 11	23 14	2 16	19 20	0 15	12 18	0 9	22 32	0 1	23 56	0 14	10 38	0 47	4 4	2 3	31 53	13 0	5 25	4 54	15 22		n.a.
T 14	17 15	15 5	4 55	23 31	2 16	19 41	0 18	12 34	0 9	22 34	0 1	23 56	0 14	10 38	0 47	4 4	2 3	31 53	13 0	5 24	4 52	15 20		n.a.
W15	17 32	11 55	4 22	23 47	2 16	20 2	0 20	12 49	0 8	22 35	0 1	23 55	0 14	10 38	0 47	4 3	2 3	31 52	13 0	5 23	4 51	15 19		n.a.
T 16	17 49	8 5	3 33	24 1	2 15	20 21	0 22	13 5	0 7	22 37	0 1	23 55	0 14	10 38	0 47	4 3	2 3	31 52	12 59	5 24	4 50	15 18		n.a.
F 17	18 6	3 51	2 32	24 13	2 13	20 40	0 25	13 20	0 7	22 39	0 1	23 55	0 14	10 38	0 47	4 3	2 3	31 52	12 59	5 24	4 49	15 17		n.a.
S 18	18 22	0s32	1 23	24 24	2 11	20 59	0 27	13 36	0 6	22 41	0 1	23 55	0 15	10 38	0 47	4 2	2 3	31 51	12 59	5 25	4 47	15 16		n.a.
S 19	18 38	4 51	0 10	24 33	2 8	21 17	0 29	13 51	0 5	22 43	0 2	23 55	0 15	10 38	0 47	4 2	2 3	31 51	12 59	5 25	4 46	15 15		n.a.
M20	18 54	8 52	1n 2	24 40	2 4	21 34	0 32	14 6	0 5	22 45	0 2	23 55	0 15	10 38	0 47	4 1	2 3	31 50	12 58	5 25	4 45	15 13		n.a.
T 21	19 9	12 23	2 10	24 45	2 0	21 51	0 34	14 21	0 4	22 46	0 2	23 55	0 15	10 38	0 47	4 1	2 3	31 50	12 58	5 24	4 44	15 12		n.a.
W22	19 24	15 14	3 9	24 48	1 54	22 7	0 36	14 36	0 3	22 48	0 2	23 54	0 15	10 38	0 47	4 0	2 3	31 50	12 58	5 22	4 42	15 11		n.a.
T 23	19 39	17 18	3 59	24 49	1 47	22 22	0 38	14 51	0 3	22 50	0 2	23 54	0 15	10 38	0 47	4 0	2 2	31 49	12 58	5 19	4 41	15 10		n.a.
F 24	19 53	18 29	4 35	24 48	1 40	22 37	0 41	15 6	0 2	22 52	0 2	23 54	0 15	10 37	0 47	3 59	2 2	31 49	12 57	5 16	4 40	15 9		n.a.
S 25	20 7	18 46	4 58	24 44	1 31	22 51	0 43	15 20	0 1	22 53	0 2	23 54	0 15	10 37	0 47	3 59	2 2	31 48	12 57	5 12	4 39	15 7		n.a.
S 26	20 20	18 11	5 7	24 39	1 21	23 4	0 45	15 35	0 1	22 55	0 2	23 54	0 15	10 37	0 47	3 59	2 2	31 48	12 57	5 9	4 37	15 6		n.a.
M27	20 33	16 48	5 3	24 32	1 10	23 17	0 47	15 49	0 0	22 57	0 2	23 54	0 15	10 37	0 47	3 58	2 2	31 47	12 57	5 6	4 36	15 5		n.a.
T 28	20 46	14 42	4 45	24 22	0 57	23 29	0 49	16 3	0s 1	22 58	0 3	23 53	0 15	10 37	0 47	3 58	2 2	31 47	12 56	5 4	4 35	15 4		n.a.
W29	20 58	11 59	4 15	24 11	0 44	23 40	0 51	16 17	0 1	23 0	0 3	23 53	0 15	10 36	0 47	3 58	2 2	31 46	12 56	5 2	4 34	15 3		n.a.
T 30	21s10	8s47	3n34	23s57	0s29	23s51	0s53	16s31	0s 2	23s 2	0s 3	23s53	0s15	10s36	0s47	3n57	2s 2	31s46	12s56	5s 1	4s32	15s 1		n.a.

Julian Day Number = 1566496.5, Delta T = 04h20m37s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'48, Lahiri = - 9°48'48 Julian Calendar 1 Nov. 425 BCE == Greg. Calendar 27 Oct. 425 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 425 BCE
geocentric

DECEMBER 425 BCE (-424) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 18 40	4♐46'54	10♓30	21♐46	16♐57	15♏34	16♐ 5	5♑36	4♓47	14°R35	4♒59	12♎33	11♎17	3♒25	n.a.	F 1
S 2	4 22 37	5°48'10	22°42	21°R46	18°12	16°19	16°19	5°43	4°47	14♈34	5° 0	12°34	11°14	3°32	n.a.	S 2
S 3	4 26 33	6°49'25	5♈11	21°34	19°28	17° 3	16°33	5°49	4°48	14°34	5° 1	12°35	11°10	3°38	n.a.	S 3
M 4	4 30 30	7°50'40	18° 1	21°11	20°43	17°48	16°47	5°56	4°49	14°33	5° 2	12°R36	11° 7	3°45	n.a.	M 4
T 5	4 34 26	8°51'54	1♉18	20°36	21°58	18°32	17° 1	6° 2	4°50	14°32	5° 3	12°34	11° 4	3°52	n.a.	T 5
W 6	4 38 23	9°53'08	15° 1	19°49	23°13	19°17	17°15	6° 9	4°51	14°31	5° 4	12°30	11° 1	3°58	n.a.	W 6
T 7	4 42 20	10°54'22	29° 9	18°53	24°28	20° 1	17°29	6°16	4°52	14°30	5° 5	12°23	10°58	4° 5	n.a.	T 7
F 8	4 46 16	11°55'35	13♊40	17°47	25°44	20°46	17°43	6°23	4°53	14°29	5° 6	12°14	10°55	4°12	n.a.	F 8
S 9	4 50 13	12°56'48	28°26	16°34	26°59	21°31	17°57	6°29	4°54	14°29	5° 7	12° 4	10°51	4°19	n.a.	S 9
S 10	4 54 9	13°58'01	13♋18	15°17	28°14	22°16	18°11	6°36	4°55	14°28	5° 8	11°55	10°48	4°25	n.a.	S 10
M11	4 58 6	14°59'13	28° 9	13°58	29°29	23° 0	18°26	6°43	4°56	14°27	5°10	11°46	10°45	4°32	n.a.	M11
T 12	5 2 2	16° 0'25	12♌49	12°39	0♑44	23°45	18°40	6°50	4°57	14°27	5°11	11°39	10°42	4°39	n.a.	T 12
W13	5 5 59	17° 1'36	27°14	11°23	1°59	24°30	18°54	6°57	4°58	14°26	5°12	11°35	10°39	4°45	n.a.	W13
T 14	5 9 56	18° 2'48	11♍21	10°11	3°14	25°15	19° 8	7° 4	4°59	14°26	5°13	11°34	10°35	4°52	n.a.	T 14
F 15	5 13 52	19° 3'58	25° 9	9° 7	4°30	26° 0	19°22	7°11	5° 1	14°25	5°14	11°D33	10°32	4°59	n.a.	F 15
S 16	5 17 49	20° 5'09	8♎39	8°10	5°45	26°45	19°36	7°18	5° 2	14°24	5°16	11°R34	10°29	5° 5	n.a.	S 16
S 17	5 21 45	21° 6'19	21°53	7°22	7° 0	27°30	19°50	7°25	5° 3	14°24	5°17	11°33	10°26	5°12	n.a.	S 17
M18	5 25 42	22° 7'29	4♏53	6°43	8°15	28°15	20° 4	7°32	5° 5	14°24	5°18	11°31	10°23	5°19	n.a.	M18
T 19	5 29 38	23° 8'38	17°40	6°14	9°30	29° 0	20°18	7°39	5° 6	14°23	5°19	11°26	10°20	5°26	n.a.	T 19
W20	5 33 35	24° 9'46	0♐18	5°54	10°45	29°45	20°33	7°46	5° 8	14°23	5°21	11°18	10°16	5°32	n.a.	W20
T 21	5 37 31	25°10'54	12°45	5°43	12° 0	0♐31	20°47	7°53	5°10	14°22	5°22	11° 7	10°13	5°39	n.a.	T 21
F 22	5 41 28	26°12'00	25° 4	5°D41	13°15	1°16	21° 1	8° 0	5°11	14°22	5°23	10°53	10°10	5°46	n.a.	F 22
S 23	5 45 25	27°13'06	7♑14	5°46	14°30	2° 1	21°15	8° 7	5°13	14°22	5°25	10°39	10° 7	5°52	n.a.	S 23
S 24	5 49 21	28°14'11	19°16	5°59	15°45	2°46	21°29	8°14	5°15	14°22	5°26	10°25	10° 4	5°59	n.a.	S 24
M25	5 53 18	29°15'15	1♒12	6°19	17° 0	3°32	21°43	8°21	5°16	14°21	5°27	10°12	10° 1	6° 6	n.a.	M25
T 26	5 57 14	0♑16'17	13° 3	6°45	18°15	4°17	21°57	8°29	5°18	14°21	5°29	10° 1	9°57	6°13	n.a.	T 26
W27	6 1 11	1°17'19	24°52	7°17	19°30	5° 2	22°11	8°36	5°20	14°21	5°30	9°53	9°54	6°19	n.a.	W27
T 28	6 5 7	2°18'19	6♓42	7°53	20°44	5°48	22°25	8°43	5°22	14°21	5°31	9°48	9°51	6°26	n.a.	T 28
F 29	6 9 4	3°19'17	18°39	8°35	21°59	6°33	22°39	8°50	5°24	14°21	5°33	9°46	9°48	6°33	n.a.	F 29
S 30	6 13 0	4°20'14	0♈46	9°21	23°14	7°19	22°53	8°57	5°26	14°D21	5°34	9°45	9°45	6°39	n.a.	S 30
S 31	6 16 57	5♑21'09	13♈10	10♐11	24♑29	8♐ 4	23♐ 7	9♑ 4	5♓28	14♈21	5♒36	9♎45	9♎41	6♒46	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21 s22	5 s12	2n44	23 s42	0 s13	24 s 1	0 s55	16 s45	0 s 3	23 s 3	0 s 3	23 s53	0 s15	10 s36	0 s46	3n57	2 s 2	31 s45	12 s56	5 s 1	4 s31	15 s 0		n.a.
S 2	21 33	1 20	1 45	23 24	0n 5	24 10	0 57	16 59	0 3	23 5	0 3	23 53	0 15	10 36	0 46	3 57	2 2	31 45	12 55	5 2	4 30	14 59		n.a.
S 3	21 44	2n41	0 40	23 5	0 23	24 18	0 59	17 12	0 4	23 6	0 3	23 52	0 16	10 35	0 46	3 56	2 2	31 44	12 55	5 2	4 28	14 58		n.a.
M 4	21 54	6 43	0 s29	22 45	0 42	24 26	1 1	17 26	0 5	23 8	0 3	23 52	0 16	10 35	0 46	3 56	2 2	31 44	12 55	5 2	4 27	14 56		n.a.
T 5	22 4	10 32	1 39	22 23	1 2	24 33	1 3	17 39	0 5	23 9	0 3	23 52	0 16	10 35	0 46	3 56	2 2	31 43	12 55	5 1	4 26	14 55		n.a.
W 6	22 13	13 56	2 44	22 0	1 21	24 39	1 5	17 52	0 6	23 11	0 3	23 52	0 16	10 34	0 46	3 55	2 2	31 43	12 55	5 0	4 25	14 54		n.a.
T 7	22 22	16 37	3 42	21 36	1 41	24 44	1 6	18 5	0 7	23 12	0 3	23 51	0 16	10 34	0 46	3 55	2 2	31 42	12 54	4 57	4 23	14 53		n.a.
F 8	22 30	18 19	4 27	21 11	2 0	24 49	1 8	18 18	0 7	23 14	0 4	23 51	0 16	10 34	0 46	3 55	2 2	31 42	12 54	4 54	4 22	14 52		n.a.
S 9	22 38	18 49	4 55	20 47	2 18	24 52	1 10	18 30	0 8	23 15	0 4	23 51	0 16	10 33	0 46	3 55	2 2	31 41	12 54	4 50	4 21	14 50		n.a.
S 10	22 46	18 2	5 3	20 22	2 34	24 55	1 11	18 43	0 9	23 16	0 4	23 51	0 16	10 33	0 46	3 55	2 2	31 41	12 54	4 46	4 20	14 49		n.a.
M11	22 53	16 2	4 51	19 59	2 48	24 58	1 13	18 55	0 9	23 18	0 4	23 50	0 16	10 32	0 46	3 54	2 1	31 40	12 53	4 43	4 18	14 48		n.a.
T 12	23 0	13 1	4 20	19 37	3 0	24 59	1 15	19 7	0 10	23 19	0 4	23 50	0 16	10 32	0 46	3 54	2 1	31 40	12 53	4 40	4 17	14 47		n.a.
W13	23 6	9 15	3 33	19 18	3 10	25 0	1 16	19 19	0 11	23 20	0 4	23 50	0 16	10 31	0 46	3 54	2 1	31 39	12 53	4 38	4 16	14 45		n.a.
T 14	23 12	5 2	2 33	19 1	3 17	25 0	1 17	19 30	0 12	23 22	0 4	23 49	0 16	10 31	0 46	3 54	2 1	31 39	12 53	4 38	4 15	14 44		n.a.
F 15	23 17	0 38	1 26	18 46	3 22	24 59	1 19	19 42	0 12	23 23	0 4	23 49	0 16	10 30	0 46	3 54	2 1	31 38	12 53	4 38	4 13	14 43		n.a.
S 16	23 22	3 s43	0 16	18 35	3 25	24 57	1 20	19 53	0 13	23 24	0 4	23 49	0 16	10 30	0 46	3 54	2 1	31 38	12 52	4 38	4 12	14 42		n.a.
S 17	23 26	7 47	0n55	18 27	3 25	24 55	1 21	20 4	0 14	23 25	0 5	23 48	0 16	10 29	0 46	3 53	2 1	31 37	12 52	4 38	4 11	14 40		n.a.
M18	23 30	11 25	2 0	18 22	3 24	24 51	1 23	20 15	0 14	23 27	0 5	23 48	0 16	10 29	0 46	3 53	2 1	31 37	12 52	4 37	4 10	14 39		n.a.
T 19	23 34	14 27	2 59	18 20	3 20	24 47	1 24	20 26	0 15	23 28	0 5	23 48	0 17	10 28	0 46	3 53	2 1	31 36	12 52	4 35	4 8	14 38		n.a.
W20	23 37	16 46	3 48	18 21	3 16	24 43	1 25	20 37	0 16	23 29	0 5	23 47	0 17	10 27	0 46	3 53	2 1	31 36	12 52	4 31	4 7	14 37		n.a.
T 21	23 39	18 14	4 25	18 25	3 10	24 37	1 26	20 47	0 16	23 30	0 5	23 47	0 17	10 27	0 46	3 53	2 1	31 35	12 52	4 27	4 6	14 35		n.a.
F 22	23 41	18 50	4 49	18 31	3 3	24 31	1 27	20 57	0 17	23 31	0 5	23 47	0 17	10 26	0 46	3 53	2 1	31 35	12 51	4 22	4 5	14 34		n.a.
S 23	23 43	18 33	5 0	18 39	2 56	24 24	1 28	21 7	0 18	23 32	0 5	23 46	0 17	10 25	0 46	3 53	2 1	31 34	12 51	4 16	4 3	14 33		n.a.
S 24	23 44	17 27	4 57	18 50	2 48	24 16	1 29	21 17	0 19	23 33	0 5	23 46	0 17	10 25	0 46	3 53	2 1	31 34	12 51	4 10	4 2	14 32		n.a.
M25	23 44	15 35	4 41	19 2	2 39	24 7	1 29	21 27	0 19	23 34	0 5	23 46	0 17	10 24	0 46	3 53	2 1	31 33	12 51	4 5	4 1	14 30		n.a.
T 26	23 45	13 5	4 13	19 15	2 30	23 58	1 30	21 36	0 20	23 35	0 6	23 45	0 17	10 23	0 46	3 53	2 0	31 33	12 51	4 1	3 59	14 29		n.a.
W27	23 44	10 3	3 34	19 30	2 20	23 48	1 31	21 45	0 21	23 36	0 6	23 45	0 17	10 23	0 45	3 53	2 0	31 32	12 51	3 58	3 58	14 28		n.a.
T 28	23 43	6 37	2 45	19 46	2 10	23 37	1 31	21 54	0 21	23 37	0 6	23 44	0 17	10 22	0 45	3 53	2 0	31 32	12 51	3 56	3 57	14 27		n.a.
F 29	23 42	2 53	1 49	20 2	2 1	23 26	1 32	22 3	0 22	23 38	0 6	23 44	0 17	10 21	0 45	3 53	2 0	31 31	12 50	3 55	3 56	14 25		n.a.
S 30	23 40	1n 2	0 47	20 19	1 51	23 14	1 32	22 11	0 23	23 39	0 6	23 44	0 17	10 20	0 45	3 53	2 0	31 31	12 50	3 55	3 54	14 24		n.a.
S 31	23 s38	4n59	0 s18	20 s36	1n41	23 s 1	1 s33	22 s19	0 s24	23 s40	0 s 6	23 s43	0 s17	10 s20	0 s45	3n53	2 s 0	31 s30	12 s50	3 s55	3 s53	14 s23		n.a.

Julian Day Number = 1566526.5, Delta T = 04h20m35s
Ecliptic obliquity = 23°44'38, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'44, Lahiri = - 9°48'44 Julian Calendar 1 Dec. 425 BCE == Greg. Calendar 26 Nov. 425 BCE

The year -424 astronomical counting style corresponds to year 425 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

JANUARY 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 20 54	6♑22'03	25♈55	11♐ 4	25♑44	8♐50	23♐21	9♑12	5♓30	14♈21	5♒37	9°R44	9♎38	6♒53	n.a.	M 1
T 2	6 24 50	7°22'56	9♉ 7	12° 0	26°58	9°35	23°35	9°19	5°32	14°21	5°39	9♎42	9°35	7° 0	n.a.	T 2
W 3	6 28 47	8°23'47	22°48	13° 0	28°13	10°21	23°49	9°26	5°34	14°21	5°40	9°37	9°32	7° 6	n.a.	W 3
T 4	6 32 43	9°24'36	7♊ 0	14° 2	29°28	11° 6	24° 3	9°33	5°37	14°21	5°42	9°29	9°29	7°13	n.a.	T 4
F 5	6 36 40	10°25'24	21°39	15° 7	0♒43	11°52	24°17	9°40	5°39	14°22	5°43	9°19	9°26	7°20	n.a.	F 5
S 6	6 40 36	11°26'10	6♋40	16°14	1°57	12°38	24°31	9°48	5°41	14°22	5°45	9° 8	9°22	7°26	n.a.	S 6
S 7	6 44 33	12°26'55	21°52	17°23	3°12	13°24	24°44	9°55	5°43	14°22	5°46	8°56	9°19	7°33	n.a.	S 7
M 8	6 48 29	13°27'39	7♌ 6	18°34	4°26	14° 9	24°58	10° 2	5°46	14°22	5°48	8°45	9°16	7°40	n.a.	M 8
T 9	6 52 26	14°28'21	22°10	19°47	5°41	14°55	25°12	10° 9	5°48	14°23	5°49	8°37	9°13	7°47	n.a.	T 9
W10	6 56 23	15°29'01	6♍55	21° 1	6°55	15°41	25°26	10°16	5°51	14°23	5°51	8°32	9°10	7°53	n.a.	W10
T 11	7 0 19	16°29'41	21°17	22°17	8°10	16°27	25°39	10°24	5°53	14°23	5°52	8°29	9° 6	8° 0	n.a.	T 11
F 12	7 4 16	17°30'19	5♎14	23°35	9°24	17°12	25°53	10°31	5°56	14°24	5°54	8°D28	9° 3	8° 7	n.a.	F 12
S 13	7 8 12	18°30'55	18°46	24°54	10°39	17°58	26° 7	10°38	5°58	14°24	5°55	8°R28	9° 0	8°13	n.a.	S 13
S 14	7 12 9	19°31'31	1♏56	26°14	11°53	18°44	26°20	10°45	6° 1	14°25	5°57	8°28	8°57	8°20	n.a.	S 14
M15	7 16 5	20°32'05	14°46	27°36	13° 8	19°30	26°34	10°52	6° 3	14°25	5°59	8°25	8°54	8°27	n.a.	M15
T 16	7 20 2	21°32'38	27°22	28°59	14°22	20°16	26°47	10°59	6° 6	14°26	6° 0	8°21	8°51	8°33	n.a.	T 16
W17	7 23 58	22°33'09	9♐45	0♑23	15°36	21° 2	27° 1	11° 7	6° 9	14°27	6° 2	8°13	8°47	8°40	n.a.	W17
T 18	7 27 55	23°33'39	21°59	1°48	16°51	21°48	27°14	11°14	6°11	14°27	6° 3	8° 2	8°44	8°47	n.a.	T 18
F 19	7 31 52	24°34'07	4♑ 5	3°15	18° 5	22°34	27°28	11°21	6°14	14°28	6° 5	7°50	8°41	8°54	n.a.	F 19
S 20	7 35 48	25°34'33	16° 5	4°42	19°19	23°20	27°41	11°28	6°17	14°29	6° 7	7°36	8°38	9° 0	n.a.	S 20
S 21	7 39 45	26°34'58	28° 0	6°11	20°33	24° 6	27°54	11°35	6°20	14°29	6° 8	7°22	8°35	9° 7	n.a.	S 21
M22	7 43 41	27°35'20	9♒52	7°40	21°48	24°52	28° 7	11°42	6°22	14°30	6°10	7° 9	8°32	9°14	n.a.	M22
T 23	7 47 38	28°35'41	21°42	9°11	23° 2	25°38	28°21	11°49	6°25	14°31	6°11	6°59	8°28	9°20	n.a.	T 23
W24	7 51 34	29°36'00	3♓32	10°43	24°16	26°24	28°34	11°56	6°28	14°32	6°13	6°51	8°25	9°27	n.a.	W24
T 25	7 55 31	0♒36'17	15°24	12°15	25°30	27°11	28°47	12° 3	6°31	14°33	6°15	6°46	8°22	9°34	n.a.	T 25
F 26	7 59 27	1°36'32	27°22	13°49	26°44	27°57	29° 0	12°10	6°34	14°33	6°16	6°43	8°19	9°41	n.a.	F 26
S 27	8 3 24	2°36'44	9♈30	15°24	27°58	28°43	29°13	12°17	6°37	14°34	6°18	6°D43	8°16	9°47	n.a.	S 27
S 28	8 7 21	3°36'54	21°52	17° 0	29°12	29°29	29°26	12°24	6°40	14°35	6°20	6°44	8°12	9°54	n.a.	S 28
M29	8 11 17	4°37'03	4♉33	18°37	0♓26	0♑15	29°39	12°31	6°43	14°36	6°21	6°R44	8° 9	10° 1	n.a.	M29
T 30	8 15 14	5°37'08	17°38	20°15	1°39	1° 1	29°51	12°37	6°46	14°37	6°23	6°43	8° 6	10° 7	n.a.	T 30
W31	8 19 10	6♒37'12	1♊11	21♑54	2♓53	1♑48	0♑ 4	12♑44	6♓49	14♈38	6♒25	6♎41	8♎ 3	10♒14	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23s35	8n50	1s24	20s53	1n31	22s47	1s33	22s27	0s24	23s41	0s 6	23s43	0s17	10s19	0s45	3n53	2s 0	31s30	12s50	3s54	3s52	14s22			n.a.
T 2	23 32	12 22	2 29	21 11	1 21	22 33	1 33	22 35	0 25	23 41	0 6	23 42	0 18	10 18	0 45	3 53	2 0	31 29	12 50	3 53	3 51	14 20			n.a.
W 3	23 28	15 23	3 26	21 29	1 11	22 18	1 33	22 43	0 26	23 42	0 6	23 42	0 18	10 17	0 45	3 53	2 0	31 29	12 50	3 51	3 49	14 19			n.a.
T 4	23 24	17 35	4 14	21 46	1 1	22 3	1 34	22 50	0 26	23 43	0 7	23 41	0 18	10 16	0 45	3 54	2 0	31 28	12 50	3 48	3 48	14 18			n.a.
F 5	23 20	18 43	4 46	22 3	0 52	21 47	1 34	22 57	0 27	23 44	0 7	23 41	0 18	10 15	0 45	3 54	2 0	31 28	12 50	3 44	3 47	14 16			n.a.
S 6	23 15	18 35	5 0	22 19	0 42	21 30	1 34	23 4	0 28	23 44	0 7	23 40	0 18	10 14	0 45	3 54	2 0	31 27	12 50	3 40	3 46	14 15			n.a.
S 7	23 9	17 8	4 53	22 36	0 33	21 12	1 34	23 10	0 29	23 45	0 7	23 40	0 18	10 14	0 45	3 54	2 0	31 27	12 49	3 35	3 44	14 14			n.a.
M 8	23 3	14 28	4 25	22 51	0 24	20 54	1 33	23 17	0 29	23 46	0 7	23 40	0 18	10 13	0 45	3 54	2 0	31 26	12 49	3 31	3 43	14 13			n.a.
T 9	22 57	10 51	3 39	23 6	0 15	20 36	1 33	23 23	0 30	23 46	0 7	23 39	0 18	10 12	0 45	3 54	2 0	31 26	12 49	3 28	3 42	14 11			n.a.
W10	22 50	6 38	2 38	23 20	0 6	20 16	1 33	23 28	0 31	23 47	0 7	23 39	0 18	10 11	0 45	3 55	1 59	31 25	12 49	3 25	3 41	14 10			n.a.
T 11	22 43	2 8	1 30	23 34	0s 3	19 57	1 32	23 34	0 32	23 48	0 7	23 38	0 18	10 10	0 45	3 55	1 59	31 25	12 49	3 24	3 39	14 9			n.a.
F 12	22 35	2s22	0 17	23 46	0 11	19 36	1 32	23 39	0 32	23 48	0 7	23 38	0 18	10 9	0 45	3 55	1 59	31 24	12 49	3 24	3 38	14 7			n.a.
S 13	22 27	6 36	0n54	23 58	0 19	19 15	1 32	23 44	0 33	23 49	0 8	23 37	0 18	10 8	0 45	3 55	1 59	31 24	12 49	3 24	3 37	14 6			n.a.
S 14	22 18	10 24	2 1	24 8	0 27	18 54	1 31	23 49	0 34	23 49	0 8	23 37	0 18	10 7	0 45	3 55	1 59	31 23	12 49	3 24	3 35	14 5			n.a.
M15	22 9	13 37	2 59	24 18	0 35	18 32	1 30	23 54	0 34	23 50	0 8	23 36	0 19	10 6	0 45	3 56	1 59	31 23	12 49	3 23	3 34	14 3			n.a.
T 16	22 0	16 7	3 48	24 26	0 42	18 9	1 30	23 58	0 35	23 50	0 8	23 36	0 19	10 5	0 45	3 56	1 59	31 22	12 49	3 21	3 33	14 2			n.a.
W17	21 50	17 50	4 25	24 34	0 49	17 46	1 29	24 2	0 36	23 51	0 8	23 35	0 19	10 4	0 45	3 56	1 59	31 22	12 49	3 18	3 32	14 1			n.a.
T 18	21 40	18 41	4 49	24 40	0 56	17 23	1 28	24 6	0 37	23 51	0 8	23 34	0 19	10 3	0 45	3 57	1 59	31 22	12 49	3 14	3 30	14 0			n.a.
F 19	21 29	18 41	5 0	24 45	1 3	16 59	1 27	24 9	0 37	23 51	0 8	23 34	0 19	10 2	0 45	3 57	1 59	31 21	12 49	3 9	3 29	13 58			n.a.
S 20	21 18	17 50	4 58	24 48	1 9	16 34	1 26	24 12	0 38	23 52	0 8	23 33	0 19	10 1	0 45	3 57	1 59	31 21	12 49	3 3	3 28	13 57			n.a.
S 21	21 6	16 13	4 42	24 51	1 15	16 10	1 25	24 15	0 39	23 52	0 9	23 33	0 19	10 0	0 45	3 58	1 59	31 20	12 49	2 58	3 27	13 56			n.a.
M22	20 54	13 55	4 14	24 52	1 21	15 44	1 24	24 18	0 39	23 52	0 9	23 32	0 19	9 59	0 45	3 58	1 59	31 20	12 49	2 52	3 25	13 54			n.a.
T 23	20 42	11 3	3 35	24 51	1 26	15 19	1 22	24 20	0 40	23 53	0 9	23 32	0 19	9 58	0 45	3 58	1 59	31 19	12 49	2 48	3 24	13 53			n.a.
W24	20 30	7 45	2 47	24 49	1 31	14 53	1 21	24 22	0 41	23 53	0 9	23 31	0 19	9 56	0 45	3 59	1 58	31 19	12 49	2 45	3 23	13 52			n.a.
T 25	20 17	4 7	1 51	24 46	1 36	14 26	1 20	24 24	0 42	23 53	0 9	23 31	0 19	9 55	0 45	3 59	1 58	31 18	12 49	2 43	3 22	13 50			n.a.
F 26	20 3	0 18	0 50	24 41	1 41	13 59	1 18	24 26	0 42	23 54	0 9	23 30	0 19	9 54	0 45	4 0	1 58	31 18	12 49	2 42	3 20	13 49			n.a.
S 27	19 50	3n35	0s15	24 34	1 45	13 32	1 17	24 27	0 43	23 54	0 9	23 30	0 20	9 53	0 45	4 0	1 58	31 18	12 49	2 42	3 19	13 48			n.a.
S 28	19 36	7 23	1 20	24 26	1 48	13 4	1 15	24 28	0 44	23 54	0 9	23 29	0 20	9 52	0 45	4 0	1 58	31 17	12 49	2 42	3 18	13 46			n.a.
M29	19 21	10 57	2 23	24 17	1 52	12 37	1 14	24 29	0 44	23 54	0 9	23 28	0 20	9 51	0 45	4 1	1 58	31 17	12 49	2 42	3 16	13 45			n.a.
T 30	19 6	14 6	3 21	24 5	1 55	12 8	1 12	24 29	0 45	23 54	0 10	23 28	0 20	9 50	0 45	4 1	1 58	31 16	12 49	2 42	3 15	13 44			n.a.
W31	18s51	16n36	4s 9	23s52	1s58	11s40	1s10	24s30	0s46	23s54	0s10	23s27	0s20	9s49	0s44	4n 2	1s58	31s16	12s49	2s41	3s14	13s42			n.a.

Julian Day Number = 1566557.5, Delta T = 04h20m34s
Ecliptic obliquity = 23°44'38, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'40, Lahiri = - 9°48'40 Julian Calendar 1 Jan. 424 BCE == Greg. Calendar 27 Dec. 425 BCE

The year -423 astronomical counting style corresponds to year 424 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

FEBRUARY 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 23 7	7♒37'14	15♊13	23♑34	4♓ 7	2♑34	0♑17	12♑51	6♓52	14♈39	6♒26	6°R36	8♎ 0	10♒21	n.a.	T 1
F 2	8 27 3	8°37'13	29°45	25°15	5°21	3°20	0°29	12°58	6°55	14°41	6°28	6♎29	7°57	10°27	n.a.	F 2
S 3	8 31 0	9°37'10	14♋41	26°57	6°34	4° 6	0°42	13° 5	6°58	14°42	6°29	6°20	7°53	10°34	n.a.	S 3
S 4	8 34 56	10°37'04	29°55	28°41	7°48	4°53	0°54	13°11	7° 1	14°43	6°31	6°11	7°50	10°41	n.a.	S 4
M 5	8 38 53	11°36'57	15♌15	0♒25	9° 1	5°39	1° 7	13°18	7° 4	14°44	6°33	6° 3	7°47	10°48	n.a.	M 5
T 6	8 42 50	12°36'48	0♍30	2°11	10°15	6°25	1°19	13°25	7° 8	14°45	6°34	5°57	7°44	10°54	n.a.	T 6
W 7	8 46 46	13°36'36	15°31	3°58	11°28	7°11	1°31	13°31	7°11	14°47	6°36	5°53	7°41	11° 1	n.a.	W 7
T 8	8 50 43	14°36'22	0♎ 9	5°46	12°42	7°58	1°44	13°38	7°14	14°48	6°38	5°D51	7°38	11° 8	n.a.	T 8
F 9	8 54 39	15°36'07	14°19	7°35	13°55	8°44	1°56	13°44	7°17	14°49	6°39	5°52	7°34	11°14	n.a.	F 9
S 10	8 58 36	16°35'50	28° 2	9°25	15° 8	9°30	2° 8	13°51	7°21	14°51	6°41	5°53	7°31	11°21	n.a.	S 10
S 11	9 2 32	17°35'31	11♏18	11°17	16°22	10°17	2°20	13°57	7°24	14°52	6°43	5°54	7°28	11°28	n.a.	S 11
M12	9 6 29	18°35'10	24°11	13° 9	17°35	11° 3	2°32	14° 3	7°27	14°53	6°44	5°R54	7°25	11°34	n.a.	M12
T 13	9 10 25	19°34'48	6♐45	15° 3	18°48	11°50	2°43	14°10	7°30	14°55	6°46	5°52	7°22	11°41	n.a.	T 13
W14	9 14 22	20°34'23	19° 3	16°58	20° 1	12°36	2°55	14°16	7°34	14°56	6°47	5°48	7°18	11°48	n.a.	W14
T 15	9 18 19	21°33'57	1♑10	18°54	21°14	13°22	3° 7	14°22	7°37	14°58	6°49	5°43	7°15	11°55	n.a.	T 15
F 16	9 22 15	22°33'29	13° 9	20°52	22°27	14° 9	3°18	14°29	7°40	14°59	6°51	5°35	7°12	12° 1	n.a.	F 16
S 17	9 26 12	23°32'59	25° 2	22°50	23°40	14°55	3°30	14°35	7°44	15° 1	6°52	5°27	7° 9	12° 8	n.a.	S 17
S 18	9 30 8	24°32'26	6♒53	24°49	24°53	15°41	3°41	14°41	7°47	15° 2	6°54	5°19	7° 6	12°15	n.a.	S 18
M19	9 34 5	25°31'52	18°43	26°49	26° 6	16°28	3°53	14°47	7°50	15° 4	6°55	5°12	7° 3	12°21	n.a.	M19
T 20	9 38 1	26°31'15	0♓34	28°50	27°18	17°14	4° 4	14°53	7°54	15° 5	6°57	5° 6	6°59	12°28	n.a.	T 20
W21	9 41 58	27°30'37	12°28	0♓51	28°31	18° 1	4°15	14°59	7°57	15° 7	6°58	5° 1	6°56	12°35	n.a.	W21
T 22	9 45 54	28°29'55	24°27	2°53	29°44	18°47	4°26	15° 5	8° 0	15° 9	7° 0	4°59	6°53	12°41	n.a.	T 22
F 23	9 49 51	29°29'12	6♈33	4°55	0♈56	19°33	4°37	15°11	8° 4	15°10	7° 1	4°D58	6°50	12°48	n.a.	F 23
S 24	9 53 47	0♓28'27	18°48	6°58	2° 9	20°20	4°48	15°16	8° 7	15°12	7° 3	4°59	6°47	12°55	n.a.	S 24
S 25	9 57 44	1°27'39	1♉16	9° 0	3°21	21° 6	4°58	15°22	8°11	15°14	7° 5	5° 1	6°44	13° 2	n.a.	S 25
M26	10 1 41	2°26'48	14° 0	11° 1	4°34	21°52	5° 9	15°28	8°14	15°16	7° 6	5° 2	6°40	13° 8	n.a.	M26
T 27	10 5 37	3°25'55	27° 5	13° 2	5°46	22°39	5°20	15°34	8°17	15°17	7° 8	5° 3	6°37	13°15	n.a.	T 27
W28	10 9 34	4♓25'00	10♊32	15♓ 2	6♈58	23♑25	5♑30	15♑39	8♓21	15♈19	7♒ 9	5°R 3	6♎34	13♒22	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s36	18n12	4s44	23s38	2s 0	11s11	1s 9	24s30	0s46	23s54	0s10	23s27	0s20	9s47	0s44	4n 2	1s58	31s15	12s49	2s39	3s13	13s41		n.a.
F 2	18 20	18 42	5 3	23 21	2 2	10 42	1 7	24 29	0 47	23 55	0 10	23 26	0 20	9 46	0 44	4 3	1 58	31 15	12 49	2 36	3 11	13 40		n.a.
S 3	18 4	17 55	5 2	23 3	2 3	10 13	1 5	24 29	0 48	23 55	0 10	23 26	0 20	9 45	0 44	4 3	1 58	31 15	12 49	2 33	3 10	13 38		n.a.
S 4	17 48	15 52	4 40	22 43	2 4	9 43	1 3	24 28	0 49	23 55	0 10	23 25	0 20	9 44	0 44	4 4	1 58	31 14	12 49	2 29	3 9	13 37		n.a.
M 5	17 31	12 41	3 57	22 21	2 5	9 13	1 1	24 26	0 49	23 55	0 10	23 24	0 20	9 43	0 44	4 4	1 58	31 14	12 49	2 26	3 8	13 36		n.a.
T 6	17 14	8 40	2 58	21 57	2 5	8 43	0 59	24 25	0 50	23 55	0 11	23 24	0 20	9 41	0 44	4 5	1 58	31 13	12 49	2 24	3 6	13 34		n.a.
W 7	16 57	4 8	1 47	21 32	2 5	8 13	0 56	24 23	0 51	23 55	0 11	23 23	0 21	9 40	0 44	4 5	1 58	31 13	12 49	2 22	3 5	13 33		n.a.
T 8	16 40	0s32	0 31	21 4	2 4	7 43	0 54	24 21	0 51	23 55	0 11	23 23	0 21	9 39	0 44	4 6	1 58	31 13	12 49	2 21	3 4	13 32		n.a.
F 9	16 22	5 1	0n45	20 35	2 3	7 12	0 52	24 19	0 52	23 55	0 11	23 22	0 21	9 38	0 44	4 7	1 57	31 12	12 49	2 21	3 2	13 30		n.a.
S 10	16 4	9 6	1 57	20 4	2 1	6 41	0 49	24 16	0 53	23 55	0 11	23 22	0 21	9 36	0 44	4 7	1 57	31 12	12 49	2 22	3 1	13 29		n.a.
S 11	15 45	12 34	2 59	19 31	1 59	6 10	0 47	24 14	0 53	23 55	0 11	23 21	0 21	9 35	0 44	4 8	1 57	31 12	12 49	2 22	3 0	13 28		n.a.
M12	15 27	15 20	3 51	18 56	1 56	5 39	0 45	24 10	0 54	23 54	0 11	23 20	0 21	9 34	0 44	4 8	1 57	31 11	12 50	2 22	2 59	13 26		n.a.
T 13	15 8	17 17	4 30	18 19	1 53	5 8	0 42	24 7	0 55	23 54	0 11	23 20	0 21	9 33	0 44	4 9	1 57	31 11	12 50	2 22	2 57	13 25		n.a.
W14	14 49	18 23	4 56	17 41	1 49	4 36	0 40	24 3	0 55	23 54	0 12	23 19	0 21	9 31	0 44	4 10	1 57	31 11	12 50	2 20	2 56	13 24		n.a.
T 15	14 30	18 37	5 8	17 0	1 45	4 5	0 37	23 59	0 56	23 54	0 12	23 19	0 21	9 30	0 44	4 10	1 57	31 10	12 50	2 18	2 55	13 22		n.a.
F 16	14 10	18 1	5 6	16 18	1 40	3 33	0 34	23 55	0 57	23 54	0 12	23 18	0 21	9 29	0 44	4 11	1 57	31 10	12 50	2 15	2 54	13 21		n.a.
S 17	13 50	16 38	4 51	15 34	1 34	3 2	0 32	23 51	0 57	23 54	0 12	23 17	0 21	9 28	0 44	4 11	1 57	31 10	12 50	2 12	2 52	13 19		n.a.
S 18	13 30	14 32	4 24	14 48	1 28	2 30	0 29	23 46	0 58	23 54	0 12	23 17	0 22	9 26	0 44	4 12	1 57	31 9	12 50	2 8	2 51	13 18		n.a.
M19	13 10	11 51	3 45	14 0	1 21	1 58	0 26	23 41	0 59	23 53	0 12	23 16	0 22	9 25	0 44	4 13	1 57	31 9	12 50	2 5	2 50	13 17		n.a.
T 20	12 50	8 40	2 56	13 11	1 14	1 26	0 23	23 36	0 59	23 53	0 12	23 16	0 22	9 24	0 44	4 13	1 57	31 9	12 50	2 3	2 49	13 15		n.a.
W21	12 29	5 8	2 0	12 20	1 6	0 54	0 20	23 30	1 0	23 53	0 13	23 15	0 22	9 23	0 44	4 14	1 57	31 8	12 51	2 1	2 47	13 14		n.a.
T 22	12 9	1 22	0 57	11 28	0 58	0 23	0 17	23 24	1 1	23 53	0 13	23 15	0 22	9 21	0 44	4 15	1 57	31 8	12 51	2 0	2 46	13 13		n.a.
F 23	11 48	2n30	0s 9	10 35	0 49	0n 9	0 15	23 18	1 1	23 53	0 13	23 14	0 22	9 20	0 44	4 16	1 57	31 8	12 51	2 0	2 45	13 11		n.a.
S 24	11 27	6 18	1 15	9 40	0 39	0 41	0 12	23 12	1 2	23 52	0 13	23 13	0 22	9 19	0 44	4 16	1 57	31 7	12 51	2 0	2 43	13 10		n.a.
S 25	11 5	9 54	2 19	8 45	0 29	1 13	0 9	23 6	1 2	23 52	0 13	23 13	0 22	9 17	0 44	4 17	1 57	31 7	12 51	2 1	2 42	13 8		n.a.
M26	10 44	13 6	3 17	7 49	0 19	1 45	0 5	22 59	1 3	23 52	0 13	23 12	0 22	9 16	0 44	4 18	1 57	31 7	12 51	2 2	2 41	13 7		n.a.
T 27	10 23	15 44	4 7	6 52	0 8	2 17	0 2	22 52	1 4	23 52	0 13	23 12	0 22	9 15	0 44	4 18	1 57	31 7	12 52	2 2	2 40	13 6		n.a.
W28	10s 1	17n36	4s45	5s55	0n 3	2n49	0n 1	22s44	1s 4	23s51	0s14	23s11	0s23	9s14	0s44	4n19	1s57	31s 6	12s52	2s 2	2s38	13s 4		n.a.

Julian Day Number = 1566588.5, Delta T = 04h20m33s
Ecliptic obliquity = 23°44'38, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'36, Lahiri = - 9°48'35 Julian Calendar 1 Feb. 424 BCE == Greg. Calendar 27 Jan. 424 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

MARCH 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 13 30	5♓24'03	24♊24	17♓ 0	8♈10	24♑12	5♑40	15♑45	8♓24	15♈21	7♒11	5°R 2	6♎31	13♒28	n.a.	T 1
F 2	10 17 27	6°23'03	8♋41	18°57	9°22	24°58	5°50	15°50	8°28	15°23	7°12	5♎ 0	6°28	13°35	n.a.	F 2
S 3	10 21 23	7°22'00	23°21	20°51	10°34	25°44	6° 1	15°55	8°31	15°25	7°13	4°56	6°24	13°42	n.a.	S 3
S 4	10 25 20	8°20'56	8♌18	22°42	11°46	26°31	6°11	16° 1	8°34	15°26	7°15	4°52	6°21	13°48	n.a.	S 4
M 5	10 29 16	9°19'48	23°26	24°31	12°58	27°17	6°20	16° 6	8°38	15°28	7°16	4°49	6°18	13°55	n.a.	M 5
T 6	10 33 13	10°18'39	8♍34	26°16	14°10	28° 3	6°30	16°11	8°41	15°30	7°18	4°46	6°15	14° 2	n.a.	T 6
W 7	10 37 9	11°17'27	23°34	27°57	15°22	28°49	6°40	16°16	8°45	15°32	7°19	4°45	6°12	14° 8	n.a.	W 7
T 8	10 41 6	12°16'14	8♎16	29°35	16°33	29°36	6°49	16°22	8°48	15°34	7°21	4°D45	6° 9	14°15	n.a.	T 8
F 9	10 45 3	13°14'58	22°34	1♈ 8	17°45	0♒22	6°59	16°27	8°52	15°36	7°22	4°45	6° 5	14°22	n.a.	F 9
S 10	10 48 59	14°13'41	6♏27	2°37	18°56	1° 8	7° 8	16°31	8°55	15°38	7°23	4°47	6° 2	14°29	n.a.	S 10
S 11	10 52 56	15°12'21	19°52	4° 0	20° 7	1°55	7°17	16°36	8°58	15°40	7°25	4°48	5°59	14°35	n.a.	S 11
M12	10 56 52	16°11'00	2♐53	5°19	21°19	2°41	7°26	16°41	9° 2	15°42	7°26	4°49	5°56	14°42	n.a.	M12
T 13	11 0 49	17° 9'38	15°31	6°33	22°30	3°27	7°35	16°46	9° 5	15°44	7°27	4°R50	5°53	14°49	n.a.	T 13
W14	11 4 45	18° 8'13	27°51	7°41	23°41	4°13	7°44	16°51	9° 9	15°46	7°29	4°49	5°49	14°55	n.a.	W14
T 15	11 8 42	19° 6'47	9♑57	8°44	24°52	5° 0	7°53	16°55	9°12	15°48	7°30	4°48	5°46	15° 2	n.a.	T 15
F 16	11 12 38	20° 5'19	21°54	9°41	26° 3	5°46	8° 1	17° 0	9°15	15°50	7°31	4°47	5°43	15° 9	n.a.	F 16
S 17	11 16 35	21° 3'49	3♒45	10°32	27°14	6°32	8°10	17° 4	9°19	15°52	7°32	4°45	5°40	15°15	n.a.	S 17
S 18	11 20 32	22° 2'17	15°34	11°18	28°25	7°18	8°18	17° 8	9°22	15°54	7°34	4°43	5°37	15°22	n.a.	S 18
M19	11 24 28	23° 0'43	27°25	11°57	29°35	8° 4	8°26	17°13	9°25	15°56	7°35	4°41	5°34	15°29	n.a.	M19
T 20	11 28 25	23°59'08	9♓20	12°31	0♉46	8°50	8°34	17°17	9°29	15°59	7°36	4°40	5°30	15°35	n.a.	T 20
W21	11 32 21	24°57'30	21°21	12°59	1°56	9°36	8°42	17°21	9°32	16° 1	7°37	4°39	5°27	15°42	n.a.	W21
T 22	11 36 18	25°55'51	3♈31	13°21	3° 7	10°23	8°50	17°25	9°35	16° 3	7°39	4°D38	5°24	15°49	n.a.	T 22
F 23	11 40 14	26°54'10	15°50	13°37	4°17	11° 9	8°58	17°29	9°39	16° 5	7°40	4°39	5°21	15°56	n.a.	F 23
S 24	11 44 11	27°52'26	28°20	13°47	5°27	11°55	9° 5	17°33	9°42	16° 7	7°41	4°39	5°18	16° 2	n.a.	S 24
S 25	11 48 7	28°50'41	11♉ 3	13°R52	6°37	12°41	9°12	17°37	9°45	16° 9	7°42	4°40	5°15	16° 9	n.a.	S 25
M26	11 52 4	29°48'54	24° 1	13°51	7°47	13°27	9°20	17°41	9°49	16°11	7°43	4°40	5°11	16°16	n.a.	M26
T 27	11 56 0	0♈47'04	7♊14	13°44	8°57	14°13	9°27	17°44	9°52	16°14	7°44	4°41	5° 8	16°22	n.a.	T 27
W28	11 59 57	1°45'13	20°45	13°33	10° 7	14°58	9°33	17°48	9°55	16°16	7°45	4°41	5° 5	16°29	n.a.	W28
T 29	12 3 54	2°43'19	4♋33	13°16	11°16	15°44	9°40	17°51	9°58	16°18	7°46	4°R41	5° 2	16°36	n.a.	T 29
F 30	12 7 50	3°41'24	18°39	12°55	12°26	16°30	9°47	17°55	10° 1	16°20	7°47	4°41	4°59	16°42	n.a.	F 30
S 31	12 11 47	4♈39'26	3♌ 2	12♈30	13♉35	17♒16	9♑53	17♑58	10♓ 5	16♈22	7♒48	4°D41	4♎55	16♒49	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	9s39	18n30	5s 8	4s58	0n15	3n20	0n 4	22s37	1s 5	23s51	0s14	23s11	0s23	9s12	0s44	4n20	1s56	31s 6	12s52	2s 2	2s37	13s 3			n.a.
F 2	9 17	18 15	5 13	4 1	0 27	3 52	0 7	22 29	1 5	23 51	0 14	23 10	0 23	9 11	0 44	4 21	1 56	31 6	12 52	2 1	2 36	13 1			n.a.
S 3	8 55	16 48	4 58	3 5	0 39	4 24	0 10	22 21	1 6	23 50	0 14	23 10	0 23	9 10	0 44	4 21	1 56	31 6	12 52	1 59	2 35	13 0			n.a.
S 4	8 33	14 12	4 22	2 10	0 51	4 55	0 13	22 13	1 7	23 50	0 14	23 9	0 23	9 8	0 44	4 22	1 56	31 6	12 52	1 58	2 33	12 59			n.a.
M 5	8 10	10 37	3 28	1 15	1 3	5 26	0 17	22 4	1 7	23 50	0 14	23 9	0 23	9 7	0 44	4 23	1 56	31 5	12 53	1 56	2 32	12 57			n.a.
T 6	7 48	6 19	2 19	0 22	1 15	5 58	0 20	21 55	1 8	23 49	0 15	23 8	0 23	9 6	0 44	4 24	1 56	31 5	12 53	1 55	2 31	12 56			n.a.
W 7	7 25	1 39	1 1	0n30	1 26	6 29	0 23	21 46	1 8	23 49	0 15	23 7	0 23	9 4	0 44	4 24	1 56	31 5	12 53	1 55	2 29	12 55			n.a.
T 8	7 3	3s 1	0n19	1 19	1 38	6 59	0 26	21 37	1 9	23 49	0 15	23 7	0 23	9 3	0 44	4 25	1 56	31 5	12 53	1 54	2 28	12 53			n.a.
F 9	6 40	7 24	1 37	2 7	1 49	7 30	0 30	21 28	1 10	23 48	0 15	23 6	0 24	9 2	0 44	4 26	1 56	31 5	12 54	1 55	2 27	12 52			n.a.
S 10	6 17	11 14	2 46	2 53	2 0	8 1	0 33	21 18	1 10	23 48	0 15	23 6	0 24	9 1	0 44	4 27	1 56	31 4	12 54	1 55	2 26	12 50			n.a.
S 11	5 54	14 20	3 44	3 36	2 10	8 31	0 36	21 8	1 11	23 48	0 15	23 5	0 24	8 59	0 44	4 28	1 56	31 4	12 54	1 56	2 24	12 49			n.a.
M12	5 31	16 37	4 28	4 16	2 20	9 1	0 40	20 58	1 11	23 47	0 15	23 5	0 24	8 58	0 44	4 28	1 56	31 4	12 54	1 56	2 23	12 47			n.a.
T 13	5 8	18 0	4 58	4 54	2 28	9 31	0 43	20 48	1 12	23 47	0 16	23 4	0 24	8 57	0 44	4 29	1 56	31 4	12 54	1 56	2 22	12 46			n.a.
W14	4 45	18 30	5 14	5 29	2 37	10 1	0 46	20 37	1 12	23 47	0 16	23 4	0 24	8 55	0 44	4 30	1 56	31 4	12 55	1 56	2 21	12 45			n.a.
T 15	4 22	18 8	5 15	6 1	2 44	10 31	0 49	20 26	1 13	23 46	0 16	23 3	0 24	8 54	0 44	4 31	1 56	31 4	12 55	1 56	2 19	12 43			n.a.
F 16	3 58	16 58	5 2	6 30	2 51	11 0	0 53	20 15	1 13	23 46	0 16	23 3	0 24	8 53	0 44	4 32	1 56	31 4	12 55	1 55	2 18	12 42			n.a.
S 17	3 35	15 5	4 37	6 55	2 57	11 29	0 56	20 4	1 14	23 46	0 16	23 3	0 24	8 52	0 44	4 33	1 56	31 3	12 55	1 55	2 17	12 40			n.a.
S 18	3 12	12 34	3 59	7 18	3 1	11 58	0 59	19 53	1 15	23 45	0 16	23 2	0 25	8 50	0 44	4 33	1 56	31 3	12 56	1 54	2 15	12 39			n.a.
M19	2 48	9 31	3 12	7 37	3 5	12 26	1 3	19 41	1 15	23 45	0 17	23 2	0 25	8 49	0 44	4 34	1 56	31 3	12 56	1 53	2 14	12 38			n.a.
T 20	2 25	6 5	2 16	7 53	3 7	12 55	1 6	19 29	1 16	23 45	0 17	23 1	0 25	8 48	0 44	4 35	1 56	31 3	12 56	1 52	2 13	12 36			n.a.
W21	2 2	2 21	1 13	8 5	3 9	13 23	1 9	19 18	1 16	23 44	0 17	23 1	0 25	8 46	0 44	4 36	1 56	31 3	12 56	1 52	2 12	12 35			n.a.
T 22	1 38	1n30	0 6	8 14	3 9	13 50	1 12	19 5	1 17	23 44	0 17	23 0	0 25	8 45	0 44	4 37	1 56	31 3	12 57	1 52	2 10	12 33			n.a.
F 23	1 15	5 21	1s 2	8 19	3 8	14 18	1 16	18 53	1 17	23 44	0 17	23 0	0 25	8 44	0 44	4 38	1 56	31 3	12 57	1 52	2 9	12 32			n.a.
S 24	0 51	9 2	2 8	8 21	3 6	14 44	1 19	18 41	1 18	23 43	0 17	23 0	0 25	8 43	0 44	4 38	1 56	31 3	12 57	1 52	2 8	12 30			n.a.
S 25	0 28	12 21	3 9	8 20	3 2	15 11	1 22	18 28	1 18	23 43	0 18	22 59	0 25	8 41	0 44	4 39	1 56	31 3	12 57	1 52	2 6	12 29			n.a.
M26	0 4	15 7	4 1	8 15	2 57	15 37	1 25	18 15	1 18	23 42	0 18	22 59	0 26	8 40	0 44	4 40	1 56	31 3	12 58	1 53	2 5	12 28			n.a.
T 27	0n19	17 10	4 42	8 6	2 51	16 3	1 28	18 2	1 19	23 42	0 18	22 58	0 26	8 39	0 44	4 41	1 56	31 3	12 58	1 53	2 4	12 26			n.a.
W28	0 42	18 17	5 8	7 55	2 44	16 29	1 31	17 49	1 19	23 42	0 18	22 58	0 26	8 38	0 44	4 42	1 56	31 3	12 58	1 53	2 3	12 25			n.a.
T 29	1 6	18 23	5 18	7 40	2 35	16 54	1 34	17 35	1 20	23 42	0 18	22 58	0 26	8 37	0 44	4 43	1 56	31 3	12 59	1 53	2 1	12 23			n.a.
F 30	1 29	17 20	5 8	7 23	2 24	17 18	1 37	17 22	1 20	23 41	0 19	22 57	0 26	8 35	0 44	4 44	1 56	31 3	12 59	1 53	2 0	12 22			n.a.
S 31	1n52	15n12	4s40	7n 2	2n13	17n43	1n40	17s 8	1s21	23s41	0s19	22s57	0s26	8s34	0s44	4n45	1s56	31s 3	12s59	1s53	1s59	12s20			n.a.

Julian Day Number = 1566616.5, Delta T = 04h20m32s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'32, Lahiri = - 9°48'32 Julian Calendar 1 March 424 BCE == Greg. Calendar 24 Feb. 424 BCE

The year -423 astronomical counting style corresponds to year 424 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

APRIL 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 15 43	5♈37'26	17♌37	12°R 2	14♉45	18♒ 2	9♑59	18♑ 1	10♓ 8	16♈25	7♒49	4♎41	4♎52	16♒56	n.a.	S 1
M 2	12 19 40	6°35'24	2♍22	11♈30	15°54	18°48	10° 6	18° 4	10°11	16°27	7°50	4°41	4°49	17° 2	n.a.	M 2
T 3	12 23 36	7°33'21	17° 8	10°56	17° 3	19°33	10°11	18° 7	10°14	16°29	7°51	4°41	4°46	17° 9	n.a.	T 3
W 4	12 27 33	8°31'15	1♎50	10°21	18°12	20°19	10°17	18°10	10°17	16°31	7°52	4°R41	4°43	17°16	n.a.	W 4
T 5	12 31 29	9°29'08	16°21	9°44	19°21	21° 5	10°23	18°13	10°20	16°34	7°53	4°41	4°40	17°22	n.a.	T 5
F 6	12 35 26	10°26'59	0♏34	9° 6	20°29	21°50	10°28	18°16	10°23	16°36	7°54	4°41	4°36	17°29	n.a.	F 6
S 7	12 39 23	11°24'48	14°26	8°29	21°38	22°36	10°34	18°19	10°26	16°38	7°55	4°40	4°33	17°36	n.a.	S 7
S 8	12 43 19	12°22'37	27°55	7°53	22°46	23°21	10°39	18°21	10°29	16°40	7°56	4°39	4°30	17°43	n.a.	S 8
M 9	12 47 16	13°20'23	11♐ 0	7°18	23°55	24° 7	10°44	18°24	10°32	16°43	7°57	4°38	4°27	17°49	n.a.	M 9
T 10	12 51 12	14°18'09	23°42	6°45	25° 3	24°52	10°49	18°26	10°35	16°45	7°57	4°37	4°24	17°56	n.a.	T 10
W11	12 55 9	15°15'53	6♑ 6	6°15	26°11	25°38	10°53	18°29	10°38	16°47	7°58	4°37	4°20	18° 3	n.a.	W11
T 12	12 59 5	16°13'37	18°14	5°48	27°18	26°23	10°58	18°31	10°41	16°49	7°59	4°D37	4°17	18° 9	n.a.	T 12
F 13	13 3 2	17°11'18	0♒12	5°24	28°26	27° 9	11° 2	18°33	10°44	16°52	8° 0	4°37	4°14	18°16	n.a.	F 13
S 14	13 6 58	18° 8'59	12° 4	5° 4	29°34	27°54	11° 6	18°35	10°47	16°54	8° 0	4°38	4°11	18°23	n.a.	S 14
S 15	13 10 55	19° 6'38	23°54	4°48	0♊41	28°39	11°10	18°37	10°50	16°56	8° 1	4°39	4° 8	18°29	n.a.	S 15
M16	13 14 51	20° 4'17	5♓47	4°36	1°48	29°25	11°14	18°39	10°53	16°58	8° 2	4°40	4° 5	18°36	n.a.	M16
T 17	13 18 48	21° 1'54	17°46	4°29	2°55	0♓10	11°18	18°41	10°56	17° 1	8° 3	4°42	4° 1	18°43	n.a.	T 17
W18	13 22 45	21°59'29	29°56	4°D26	4° 2	0°55	11°21	18°42	10°58	17° 3	8° 3	4°R42	3°58	18°49	n.a.	W18
T 19	13 26 41	22°57'04	12♈17	4°27	5° 9	1°40	11°24	18°44	11° 1	17° 5	8° 4	4°42	3°55	18°56	n.a.	T 19
F 20	13 30 38	23°54'37	24°53	4°33	6°16	2°25	11°27	18°45	11° 4	17° 7	8° 4	4°41	3°52	19° 3	n.a.	F 20
S 21	13 34 34	24°52'09	7♉43	4°44	7°22	3°10	11°30	18°47	11° 7	17° 9	8° 5	4°39	3°49	19° 9	n.a.	S 21
S 22	13 38 31	25°49'40	20°48	4°59	8°28	3°55	11°33	18°48	11° 9	17°12	8° 5	4°36	3°46	19°16	n.a.	S 22
M23	13 42 27	26°47'10	4♊ 7	5°19	9°35	4°40	11°35	18°49	11°12	17°14	8° 6	4°33	3°42	19°23	n.a.	M23
T 24	13 46 24	27°44'38	17°40	5°43	10°40	5°25	11°38	18°50	11°15	17°16	8° 6	4°30	3°39	19°29	n.a.	T 24
W25	13 50 20	28°42'05	1♋25	6°11	11°46	6°10	11°40	18°51	11°17	17°18	8° 7	4°28	3°36	19°36	n.a.	W25
T 26	13 54 17	29°39'30	15°20	6°43	12°52	6°55	11°42	18°52	11°20	17°21	8° 7	4°26	3°33	19°43	n.a.	T 26
F 27	13 58 14	0♉36'54	29°25	7°19	13°57	7°39	11°44	18°53	11°22	17°23	8° 8	4°D25	3°30	19°50	n.a.	F 27
S 28	14 2 10	1°34'17	13♌37	8° 0	15° 2	8°24	11°45	18°54	11°25	17°25	8° 8	4°26	3°26	19°56	n.a.	S 28
S 29	14 6 7	2°31'38	27°54	8°44	16° 7	9° 9	11°47	18°54	11°27	17°27	8° 9	4°27	3°23	20° 3	n.a.	S 29
M30	14 10 3	3♉28'58	12♍15	9♈32	17♊11	9♓53	11♑48	18♑55	11♓29	17♈29	8♒ 9	4♎28	3♎20	20♒10	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n16	12n 3	3s53	6n40	2n 1	18n 7	1n43	16s54	1s21	23s41	0s19	22s57	0s26	8s33	0s44	4n45	1s56	31s 3	12s59	1s53	1s58	12s19		n.a.
M 2	2 39	8 7	2 50	6 15	1 47	18 30	1 46	16 40	1 22	23 40	0 19	22 57	0 26	8 32	0 44	4 46	1 56	31 3	13 0	1 53	1 56	12 18		n.a.
T 3	3 2	3 40	1 36	5 48	1 33	18 53	1 49	16 26	1 22	23 40	0 19	22 56	0 26	8 31	0 44	4 47	1 56	31 3	13 0	1 53	1 55	12 16		n.a.
W 4	3 25	0s59	0 16	5 20	1 17	19 15	1 52	16 12	1 22	23 40	0 20	22 56	0 27	8 29	0 44	4 48	1 56	31 3	13 0	1 53	1 54	12 15		n.a.
T 5	3 48	5 31	1n 4	4 50	1 1	19 37	1 55	15 58	1 23	23 40	0 20	22 56	0 27	8 28	0 44	4 49	1 56	31 3	13 1	1 53	1 52	12 13		n.a.
F 6	4 11	9 39	2 19	4 20	0 45	19 59	1 57	15 43	1 23	23 39	0 20	22 55	0 27	8 27	0 44	4 50	1 56	31 3	13 1	1 53	1 51	12 12		n.a.
S 7	4 34	13 8	3 23	3 50	0 28	20 20	2 0	15 28	1 24	23 39	0 20	22 55	0 27	8 26	0 44	4 51	1 56	31 3	13 1	1 53	1 50	12 10		n.a.
S 8	4 57	15 49	4 14	3 20	0 11	20 40	2 3	15 13	1 24	23 39	0 20	22 55	0 27	8 25	0 44	4 52	1 56	31 3	13 2	1 52	1 49	12 9		n.a.
M 9	5 20	17 35	4 51	2 51	0s 6	21 0	2 5	14 58	1 24	23 39	0 20	22 55	0 27	8 24	0 44	4 52	1 55	31 3	13 2	1 52	1 47	12 7		n.a.
T 10	5 43	18 25	5 11	2 22	0 23	21 20	2 8	14 43	1 25	23 38	0 21	22 55	0 27	8 22	0 44	4 53	1 55	31 3	13 2	1 52	1 46	12 6		n.a.
W11	6 5	18 20	5 17	1 55	0 39	21 39	2 10	14 28	1 25	23 38	0 21	22 54	0 28	8 21	0 44	4 54	1 55	31 3	13 3	1 51	1 45	12 4		n.a.
T 12	6 28	17 24	5 8	1 29	0 56	21 57	2 12	14 13	1 25	23 38	0 21	22 54	0 28	8 20	0 44	4 55	1 55	31 3	13 3	1 51	1 44	12 3		n.a.
F 13	6 50	15 42	4 46	1 5	1 11	22 15	2 15	13 57	1 26	23 38	0 21	22 54	0 28	8 19	0 45	4 56	1 55	31 3	13 3	1 51	1 42	12 1		n.a.
S 14	7 12	13 22	4 12	0 43	1 26	22 32	2 17	13 42	1 26	23 38	0 21	22 54	0 28	8 18	0 45	4 57	1 55	31 3	13 4	1 52	1 41	12 0		n.a.
S 15	7 35	10 28	3 27	0 24	1 40	22 49	2 19	13 26	1 26	23 38	0 22	22 54	0 28	8 17	0 45	4 58	1 55	31 4	13 4	1 52	1 40	11 59		n.a.
M16	7 57	7 8	2 33	0 7	1 54	23 5	2 21	13 10	1 27	23 37	0 22	22 54	0 28	8 16	0 45	4 58	1 55	31 4	13 4	1 53	1 38	11 57		n.a.
T 17	8 19	3 29	1 32	0s 8	2 6	23 21	2 23	12 55	1 27	23 37	0 22	22 53	0 28	8 15	0 45	4 59	1 55	31 4	13 5	1 53	1 37	11 56		n.a.
W18	8 40	0n22	0 26	0 19	2 18	23 36	2 25	12 39	1 27	23 37	0 22	22 53	0 28	8 14	0 45	5 0	1 55	31 4	13 5	1 54	1 36	11 54		n.a.
T 19	9 2	4 17	0s42	0 29	2 29	23 50	2 27	12 23	1 28	23 37	0 22	22 53	0 29	8 13	0 45	5 1	1 55	31 4	13 5	1 54	1 35	11 53		n.a.
F 20	9 24	8 4	1 49	0 35	2 38	24 4	2 29	12 6	1 28	23 37	0 23	22 53	0 29	8 12	0 45	5 2	1 56	31 4	13 6	1 53	1 33	11 51		n.a.
S 21	9 45	11 33	2 52	0 39	2 47	24 17	2 30	11 50	1 28	23 37	0 23	22 53	0 29	8 11	0 45	5 3	1 56	31 4	13 6	1 52	1 32	11 50		n.a.
S 22	10 6	14 32	3 47	0 40	2 55	24 30	2 32	11 34	1 28	23 37	0 23	22 53	0 29	8 10	0 45	5 4	1 56	31 5	13 6	1 51	1 31	11 48		n.a.
M23	10 27	16 48	4 31	0 38	3 2	24 42	2 33	11 18	1 29	23 37	0 23	22 53	0 29	8 9	0 45	5 5	1 56	31 5	13 7	1 50	1 29	11 47		n.a.
T 24	10 48	18 10	5 1	0 34	3 7	24 53	2 35	11 1	1 29	23 37	0 24	22 53	0 29	8 8	0 45	5 5	1 56	31 5	13 7	1 49	1 28	11 45		n.a.
W25	11 9	18 30	5 14	0 27	3 12	25 4	2 36	10 45	1 29	23 37	0 24	22 53	0 29	8 7	0 45	5 6	1 56	31 5	13 7	1 48	1 27	11 44		n.a.
T 26	11 30	17 44	5 9	0 18	3 16	25 14	2 37	10 28	1 29	23 37	0 24	22 53	0 29	8 6	0 45	5 7	1 56	31 5	13 8	1 47	1 26	11 42		n.a.
F 27	11 50	15 53	4 45	0 6	3 19	25 23	2 38	10 11	1 30	23 37	0 24	22 53	0 30	8 5	0 45	5 8	1 56	31 6	13 8	1 47	1 24	11 41		n.a.
S 28	12 10	13 3	4 4	0n 8	3 21	25 32	2 39	9 55	1 30	23 37	0 24	22 53	0 30	8 4	0 45	5 9	1 56	31 6	13 8	1 47	1 23	11 39		n.a.
S 29	12 30	9 25	3 7	0 24	3 23	25 40	2 40	9 38	1 30	23 37	0 25	22 53	0 30	8 3	0 45	5 10	1 56	31 6	13 9	1 47	1 22	11 38		n.a.
M30	12n50	5n13	1s59	0n43	3s23	25n47	2n41	9s21	1s30	23s37	0s25	22s53	0s30	8s 2	0s45	5n10	1s56	31s 6	13s 9	1s48	1s21	11s36		n.a.

Julian Day Number = 1566647.5, Delta T = 04h20m31s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'28, Lahiri = - 9°48'27 Julian Calendar 1 Apr. 424 BCE == Greg. Calendar 27 March 424 BCE

The year -423 astronomical counting style corresponds to year 424 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

MAY 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 14 0	4♉26'17	26♍35	10♈23	18♊16	10♓38	11♑49	18♑55	11♓32	17♈32	8♒ 9	4♎29	3♎17	20♒16	n.a.	T 1
W 2	14 17 56	5°23'35	10♎51	11°18	19°20	11°22	11°50	18°56	11°34	17°34	8°10	4°R29	3°14	20°23	n.a.	W 2
T 3	14 21 53	6°20'51	24°59	12°17	20°24	12° 7	11°50	18°56	11°36	17°36	8°10	4°28	3°11	20°30	n.a.	T 3
F 4	14 25 49	7°18'07	8♏55	13°19	21°28	12°51	11°51	18°56	11°39	17°38	8°10	4°25	3° 7	20°36	n.a.	F 4
S 5	14 29 46	8°15'22	22°35	14°24	22°31	13°35	11°51	18°R56	11°41	17°40	8°10	4°21	3° 4	20°43	n.a.	S 5
S 6	14 33 43	9°12'36	5♐56	15°32	23°34	14°19	11°R51	18°56	11°43	17°42	8°11	4°15	3° 1	20°50	n.a.	S 6
M 7	14 37 39	10° 9'49	18°58	16°44	24°37	15° 3	11°51	18°56	11°45	17°44	8°11	4° 9	2°58	20°56	n.a.	M 7
T 8	14 41 36	11° 7'02	1♑40	17°59	25°40	15°48	11°51	18°56	11°47	17°47	8°11	4° 4	2°55	21° 3	n.a.	T 8
W 9	14 45 32	12° 4'15	14° 4	19°17	26°42	16°32	11°50	18°55	11°49	17°49	8°11	4° 0	2°51	21°10	n.a.	W 9
T 10	14 49 29	13° 1'27	26°13	20°37	27°44	17°16	11°50	18°55	11°52	17°51	8°11	3°56	2°48	21°16	n.a.	T 10
F 11	14 53 25	13°58'38	8♒11	22° 1	28°46	18° 0	11°49	18°54	11°54	17°53	8°11	3°55	2°45	21°23	n.a.	F 11
S 12	14 57 22	14°55'50	20° 3	23°28	29°48	18°43	11°48	18°53	11°55	17°55	8°11	3°D55	2°42	21°30	n.a.	S 12
S 13	15 1 18	15°53'00	1♓54	24°58	0♋49	19°27	11°46	18°53	11°57	17°57	8°11	3°56	2°39	21°36	n.a.	S 13
M14	15 5 15	16°50'11	13°48	26°31	1°50	20°11	11°45	18°52	11°59	17°59	8°R11	3°57	2°36	21°43	n.a.	M14
T 15	15 9 12	17°47'21	25°51	28° 6	2°50	20°55	11°43	18°51	12° 1	18° 1	8°11	3°59	2°32	21°50	n.a.	T 15
W16	15 13 8	18°44'31	8♈ 7	29°45	3°50	21°38	11°41	18°50	12° 3	18° 3	8°11	3°R59	2°29	21°56	n.a.	W16
T 17	15 17 5	19°41'41	20°39	1♉26	4°50	22°22	11°39	18°49	12° 5	18° 5	8°11	3°57	2°26	22° 3	n.a.	T 17
F 18	15 21 1	20°38'50	3♉29	3°11	5°50	23° 5	11°37	18°47	12° 6	18° 7	8°11	3°54	2°23	22°10	n.a.	F 18
S 19	15 24 58	21°35'59	16°39	4°58	6°49	23°48	11°35	18°46	12° 8	18° 9	8°11	3°49	2°20	22°17	n.a.	S 19
S 20	15 28 54	22°33'08	0♊ 8	6°47	7°48	24°32	11°32	18°45	12°10	18°11	8°11	3°42	2°17	22°23	n.a.	S 20
M21	15 32 51	23°30'17	13°54	8°40	8°46	25°15	11°29	18°43	12°11	18°13	8°11	3°34	2°13	22°30	n.a.	M21
T 22	15 36 47	24°27'25	27°52	10°34	9°44	25°58	11°26	18°42	12°13	18°15	8°11	3°26	2°10	22°37	n.a.	T 22
W23	15 40 44	25°24'33	12♋ 0	12°32	10°42	26°41	11°23	18°40	12°14	18°17	8°11	3°19	2° 7	22°43	n.a.	W23
T 24	15 44 41	26°21'40	26°12	14°31	11°39	27°24	11°20	18°38	12°16	18°18	8°10	3°13	2° 4	22°50	n.a.	T 24
F 25	15 48 37	27°18'47	10♌26	16°33	12°35	28° 7	11°17	18°36	12°17	18°20	8°10	3°10	2° 1	22°57	n.a.	F 25
S 26	15 52 34	28°15'53	24°38	18°37	13°32	28°50	11°13	18°34	12°19	18°22	8°10	3°D 9	1°57	23° 3	n.a.	S 26
S 27	15 56 30	29°12'59	8♍47	20°42	14°27	29°33	11° 9	18°32	12°20	18°24	8°10	3° 9	1°54	23°10	n.a.	S 27
M28	16 0 27	0♊10'04	22°50	22°49	15°23	0♈15	11° 5	18°30	12°21	18°26	8° 9	3°10	1°51	23°17	n.a.	M28
T 29	16 4 23	1° 7'09	6♎48	24°57	16°17	0°58	11° 1	18°28	12°22	18°27	8° 9	3°R10	1°48	23°23	n.a.	T 29
W30	16 8 20	2° 4'14	20°39	27° 6	17°11	1°40	10°57	18°25	12°24	18°29	8° 9	3° 9	1°45	23°30	n.a.	W30
T 31	16 12 17	3♊ 1'19	4♏22	29♉16	18♋ 5	2♈23	10♑52	18♑23	12♓25	18♈31	8♒ 8	3♎ 5	1♎42	23♒37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n10	0n43	0s43	1n 4	3s23	25n54	2n42	9s 4	1s30	23s38	0s25	22s53	0s30	8s 1	0s45	5n11	1s56	31s 7	13s 9	1s48	1s19	11s35		n.a.
W 2	13 29	3s49	0n35	1 26	3 22	26 0	2 42	8 47	1 31	23 38	0 25	22 53	0 30	8 0	0 45	5 12	1 56	31 7	13 10	1 48	1 18	11 33		n.a.
T 3	13 48	8 5	1 50	1 51	3 20	26 6	2 43	8 30	1 31	23 38	0 25	22 53	0 30	7 59	0 45	5 13	1 56	31 7	13 10	1 48	1 17	11 32		n.a.
F 4	14 7	11 51	2 57	2 18	3 17	26 10	2 43	8 13	1 31	23 38	0 26	22 53	0 31	7 59	0 45	5 14	1 56	31 7	13 11	1 47	1 15	11 30		n.a.
S 5	14 26	14 54	3 53	2 46	3 14	26 15	2 43	7 56	1 31	23 38	0 26	22 54	0 31	7 58	0 45	5 14	1 56	31 8	13 11	1 45	1 14	11 29		n.a.
S 6	14 45	17 4	4 34	3 17	3 10	26 18	2 43	7 39	1 31	23 38	0 26	22 54	0 31	7 57	0 45	5 15	1 56	31 8	13 11	1 43	1 13	11 27		n.a.
M 7	15 3	18 17	5 0	3 49	3 5	26 21	2 43	7 22	1 31	23 39	0 26	22 54	0 31	7 56	0 45	5 16	1 56	31 8	13 12	1 40	1 12	11 26		n.a.
T 8	15 21	18 33	5 11	4 23	3 0	26 23	2 43	7 4	1 32	23 39	0 27	22 54	0 31	7 55	0 45	5 17	1 56	31 8	13 12	1 38	1 10	11 24		n.a.
W 9	15 39	17 55	5 6	4 58	2 54	26 25	2 43	6 47	1 32	23 39	0 27	22 54	0 31	7 55	0 45	5 18	1 56	31 9	13 12	1 36	1 9	11 23		n.a.
T 10	15 57	16 28	4 48	5 35	2 47	26 26	2 42	6 30	1 32	23 39	0 27	22 54	0 31	7 54	0 45	5 18	1 56	31 9	13 13	1 35	1 8	11 21		n.a.
F 11	16 14	14 18	4 17	6 13	2 40	26 26	2 42	6 13	1 32	23 40	0 27	22 55	0 32	7 53	0 45	5 19	1 56	31 9	13 13	1 35	1 6	11 20		n.a.
S 12	16 31	11 34	3 36	6 53	2 32	26 25	2 41	5 55	1 32	23 40	0 27	22 55	0 32	7 52	0 45	5 20	1 56	31 10	13 13	1 34	1 5	11 18		n.a.
S 13	16 48	8 22	2 45	7 33	2 24	26 24	2 40	5 38	1 32	23 40	0 28	22 55	0 32	7 52	0 45	5 21	1 56	31 10	13 14	1 35	1 4	11 17		n.a.
M14	17 5	4 48	1 47	8 15	2 15	26 23	2 39	5 21	1 32	23 41	0 28	22 55	0 32	7 51	0 45	5 21	1 56	31 10	13 14	1 35	1 3	11 15		n.a.
T 15	17 21	1 0	0 44	8 58	2 6	26 21	2 38	5 3	1 32	23 41	0 28	22 56	0 32	7 50	0 45	5 22	1 56	31 11	13 14	1 36	1 1	11 14		n.a.
W16	17 37	2n55	0s22	9 43	1 57	26 18	2 36	4 46	1 32	23 42	0 28	22 56	0 32	7 50	0 45	5 23	1 56	31 11	13 15	1 36	1 0	11 12		n.a.
T 17	17 53	6 47	1 29	10 28	1 47	26 14	2 35	4 29	1 32	23 42	0 29	22 56	0 32	7 49	0 45	5 24	1 56	31 11	13 15	1 35	0 59	11 11		n.a.
F 18	18 8	10 27	2 33	11 13	1 36	26 10	2 33	4 11	1 32	23 42	0 29	22 57	0 32	7 48	0 45	5 24	1 56	31 12	13 16	1 34	0 58	11 9		n.a.
S 19	18 24	13 41	3 30	12 0	1 26	26 5	2 32	3 54	1 32	23 43	0 29	22 57	0 33	7 48	0 46	5 25	1 56	31 12	13 16	1 32	0 56	11 8		n.a.
S 20	18 39	16 16	4 16	12 47	1 15	26 0	2 30	3 37	1 32	23 43	0 29	22 57	0 33	7 47	0 46	5 26	1 56	31 13	13 16	1 29	0 55	11 6		n.a.
M21	18 53	17 58	4 49	13 34	1 4	25 54	2 28	3 19	1 32	23 44	0 29	22 58	0 33	7 47	0 46	5 27	1 56	31 13	13 17	1 26	0 54	11 5		n.a.
T 22	19 7	18 38	5 5	14 21	0 53	25 48	2 25	3 2	1 32	23 44	0 30	22 58	0 33	7 46	0 46	5 27	1 56	31 13	13 17	1 23	0 52	11 3		n.a.
W23	19 21	18 10	5 3	15 8	0 41	25 41	2 23	2 45	1 32	23 45	0 30	22 58	0 33	7 45	0 46	5 28	1 56	31 14	13 17	1 20	0 51	11 2		n.a.
T 24	19 35	16 33	4 43	15 55	0 30	25 33	2 20	2 27	1 32	23 45	0 30	22 59	0 33	7 45	0 46	5 29	1 56	31 14	13 18	1 18	0 50	11 0		n.a.
F 25	19 49	13 55	4 5	16 42	0 19	25 25	2 18	2 10	1 32	23 46	0 30	22 59	0 33	7 44	0 46	5 29	1 56	31 14	13 18	1 16	0 49	10 59		n.a.
S 26	20 2	10 28	3 12	17 28	0 8	25 17	2 15	1 53	1 32	23 46	0 31	23 0	0 34	7 44	0 46	5 30	1 56	31 15	13 18	1 16	0 47	10 57		n.a.
S 27	20 14	6 25	2 7	18 13	0n 3	25 8	2 11	1 35	1 32	23 47	0 31	23 0	0 34	7 43	0 46	5 31	1 56	31 15	13 19	1 16	0 46	10 55		n.a.
M28	20 27	2 2	0 55	18 56	0 14	24 58	2 8	1 18	1 32	23 47	0 31	23 0	0 34	7 43	0 46	5 31	1 56	31 16	13 19	1 16	0 45	10 54		n.a.
T 29	20 39	2s26	0n19	19 39	0 25	24 48	2 5	1 1	1 32	23 48	0 31	23 1	0 34	7 43	0 46	5 32	1 56	31 16	13 19	1 17	0 43	10 52		n.a.
W30	20 50	6 45	1 32	20 20	0 35	24 37	2 1	0 44	1 32	23 49	0 31	23 1	0 34	7 42	0 46	5 33	1 57	31 17	13 20	1 16	0 42	10 51		n.a.
T 31	21n 2	10s39	2n39	20n58	0n45	24n26	1n57	0s27	1s32	23s49	0s32	23s 2	0s34	7s42	0s46	5n33	1s57	31s17	13s20	1s15	0s41	10s49		n.a.

Julian Day Number = 1566677.5, Delta T = 04h20m29s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'24, Lahiri = - 9°48'23 Julian Calendar 1 May 424 BCE == Greg. Calendar 26 Apr. 424 BCE

The year -423 astronomical counting style corresponds to year 424 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

JUNE 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 16 13	3♊58'23	17♏54	1♊26	18♋58	3♈ 5	10°R47	18°R21	12♓26	18♈33	8°R 8	2°R59	1♎38	23♒43	n.a.	F 1
S 2	16 20 10	4°55'28	1♐14	3°36	19°51	3°47	10♑43	18♑18	12°27	18°34	8♒ 7	2♎51	1°35	23°50	n.a.	S 2
S 3	16 24 6	5°52'33	14°20	5°46	20°42	4°29	10°38	18°15	12°28	18°36	8° 7	2°41	1°32	23°57	n.a.	S 3
M 4	16 28 3	6°49'38	27°10	7°56	21°33	5°12	10°32	18°13	12°29	18°38	8° 6	2°30	1°29	24° 3	n.a.	M 4
T 5	16 31 59	7°46'43	9♑45	10° 5	22°24	5°54	10°27	18°10	12°30	18°39	8° 6	2°19	1°26	24°10	n.a.	T 5
W 6	16 35 56	8°43'49	22° 5	12°13	23°14	6°35	10°22	18° 7	12°31	18°41	8° 5	2°10	1°23	24°17	n.a.	W 6
T 7	16 39 52	9°40'55	4♒11	14°20	24° 3	7°17	10°16	18° 4	12°31	18°42	8° 5	2° 2	1°19	24°23	n.a.	T 7
F 8	16 43 49	10°38'01	16° 8	16°26	24°51	7°59	10°10	18° 1	12°32	18°44	8° 4	1°57	1°16	24°30	n.a.	F 8
S 9	16 47 46	11°35'08	27°59	18°30	25°39	8°41	10° 5	17°58	12°33	18°46	8° 4	1°55	1°13	24°37	n.a.	S 9
S 10	16 51 42	12°32'16	9♓49	20°33	26°26	9°22	9°59	17°55	12°34	18°47	8° 3	1°D54	1°10	24°43	n.a.	S 10
M11	16 55 39	13°29'24	21°43	22°35	27°12	10° 4	9°53	17°52	12°34	18°49	8° 3	1°54	1° 7	24°50	n.a.	M11
T 12	16 59 35	14°26'33	3♈46	24°35	27°57	10°45	9°46	17°48	12°35	18°50	8° 2	1°R54	1° 3	24°57	n.a.	T 12
W13	17 3 32	15°23'43	16° 4	26°33	28°41	11°26	9°40	17°45	12°35	18°51	8° 1	1°53	1° 0	25° 3	n.a.	W13
T 14	17 7 28	16°20'53	28°42	28°29	29°25	12° 7	9°33	17°41	12°36	18°53	8° 1	1°51	0°57	25°10	n.a.	T 14
F 15	17 11 25	17°18'05	11♉41	0♋24	0♌ 7	12°49	9°27	17°38	12°36	18°54	8° 0	1°45	0°54	25°17	n.a.	F 15
S 16	17 15 21	18°15'16	25° 6	2°17	0°49	13°29	9°20	17°34	12°37	18°56	7°59	1°38	0°51	25°23	n.a.	S 16
S 17	17 19 18	19°12'29	8♊54	4° 8	1°29	14°10	9°13	17°31	12°37	18°57	7°58	1°28	0°48	25°30	n.a.	S 17
M18	17 23 15	20° 9'43	23° 3	5°57	2° 9	14°51	9° 6	17°27	12°37	18°58	7°58	1°17	0°44	25°37	n.a.	M18
T 19	17 27 11	21° 6'57	7♋27	7°44	2°47	15°32	8°59	17°23	12°37	18°59	7°57	1° 6	0°41	25°43	n.a.	T 19
W20	17 31 8	22° 4'11	22° 1	9°30	3°24	16°12	8°52	17°19	12°38	19° 1	7°56	0°56	0°38	25°50	n.a.	W20
T 21	17 35 4	23° 1'26	6♌37	11°14	4° 0	16°53	8°45	17°16	12°38	19° 2	7°55	0°48	0°35	25°57	n.a.	T 21
F 22	17 39 1	23°58'42	21° 8	12°56	4°35	17°33	8°38	17°12	12°38	19° 3	7°54	0°42	0°32	26° 3	n.a.	F 22
S 23	17 42 57	24°55'58	5♍31	14°36	5° 8	18°13	8°31	17° 8	12°R38	19° 4	7°54	0°40	0°29	26°10	n.a.	S 23
S 24	17 46 54	25°53'15	19°42	16°15	5°40	18°53	8°23	17° 4	12°38	19° 5	7°53	0°39	0°25	26°17	n.a.	S 24
M25	17 50 51	26°50'32	3♎40	17°52	6°11	19°33	8°16	17° 0	12°38	19° 6	7°52	0°39	0°22	26°23	n.a.	M25
T 26	17 54 47	27°47'50	17°25	19°27	6°40	20°13	8° 8	16°56	12°38	19° 8	7°51	0°38	0°19	26°30	n.a.	T 26
W27	17 58 44	28°45'08	0♏58	21° 0	7° 8	20°53	8° 1	16°51	12°37	19° 9	7°50	0°36	0°16	26°37	n.a.	W27
T 28	18 2 40	29°42'27	14°20	22°31	7°34	21°33	7°53	16°47	12°37	19°10	7°49	0°31	0°13	26°43	n.a.	T 28
F 29	18 6 37	0♋39'47	27°29	24° 1	7°58	22°12	7°45	16°43	12°37	19°11	7°48	0°24	0° 9	26°50	n.a.	F 29
S 30	18 10 33	1♋37'07	10♐28	25♋29	8♌21	22♈52	7♑38	16♑39	12♓37	19♈12	7♒47	0♎14	0♎ 6	26♒57	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n13	13s56	3n35	21n35	0n54	24n15	1n53	0s10	1s32	23s50	0s32	23s 2	0s34	7s41	0s46	5n34	1s57	31s17	13s20	1s12	0s40	10s48		n.a.
S 2	21 23	16 27	4 19	22 10	1 2	24 3	1 49	0n 7	1 32	23 50	0 32	23 3	0 34	7 41	0 46	5 34	1 57	31 18	13 21	1 9	0 38	10 46		n.a.
S 3	21 34	18 2	4 48	22 42	1 10	23 51	1 44	0 24	1 32	23 51	0 32	23 3	0 35	7 41	0 46	5 35	1 57	31 18	13 21	1 5	0 37	10 45		n.a.
M 4	21 44	18 41	5 2	23 11	1 18	23 38	1 40	0 41	1 31	23 52	0 33	23 4	0 35	7 40	0 46	5 36	1 57	31 19	13 21	1 0	0 36	10 43		n.a.
T 5	21 53	18 23	5 1	23 38	1 25	23 25	1 35	0 58	1 31	23 52	0 33	23 4	0 35	7 40	0 46	5 36	1 57	31 19	13 22	0 56	0 35	10 42		n.a.
W 6	22 2	17 13	4 45	24 2	1 31	23 11	1 30	1 15	1 31	23 53	0 33	23 5	0 35	7 40	0 46	5 37	1 57	31 20	13 22	0 52	0 33	10 40		n.a.
T 7	22 11	15 17	4 17	24 24	1 36	22 58	1 24	1 32	1 31	23 54	0 33	23 5	0 35	7 39	0 46	5 37	1 57	31 20	13 22	0 49	0 32	10 38		n.a.
F 8	22 20	12 44	3 38	24 43	1 41	22 43	1 19	1 49	1 31	23 54	0 33	23 6	0 35	7 39	0 46	5 38	1 57	31 21	13 23	0 47	0 31	10 37		n.a.
S 9	22 28	9 40	2 50	24 58	1 44	22 29	1 13	2 6	1 31	23 55	0 34	23 6	0 35	7 39	0 46	5 38	1 57	31 21	13 23	0 46	0 29	10 35		n.a.
S 10	22 35	6 13	1 55	25 12	1 48	22 14	1 7	2 22	1 31	23 56	0 34	23 7	0 36	7 39	0 46	5 39	1 57	31 21	13 23	0 46	0 28	10 34		n.a.
M11	22 43	2 30	0 54	25 22	1 50	21 59	1 1	2 39	1 30	23 56	0 34	23 7	0 36	7 38	0 46	5 39	1 57	31 22	13 24	0 46	0 27	10 32		n.a.
T 12	22 49	1n22	0s10	25 30	1 52	21 44	0 55	2 56	1 30	23 57	0 34	23 8	0 36	7 38	0 46	5 40	1 57	31 22	13 24	0 46	0 26	10 31		n.a.
W13	22 56	5 15	1 15	25 35	1 53	21 28	0 48	3 12	1 30	23 58	0 34	23 9	0 36	7 38	0 46	5 40	1 57	31 23	13 24	0 46	0 24	10 29		n.a.
T 14	23 2	9 1	2 17	25 38	1 54	21 12	0 41	3 29	1 30	23 58	0 35	23 9	0 36	7 38	0 46	5 41	1 57	31 23	13 24	0 44	0 23	10 28		n.a.
F 15	23 8	12 27	3 14	25 38	1 54	20 56	0 34	3 45	1 30	23 59	0 35	23 10	0 36	7 38	0 46	5 41	1 57	31 24	13 25	0 42	0 22	10 26		n.a.
S 16	23 13	15 21	4 3	25 36	1 53	20 40	0 27	4 1	1 29	24 0	0 35	23 10	0 36	7 38	0 47	5 42	1 57	31 24	13 25	0 39	0 20	10 24		n.a.
S 17	23 18	17 29	4 38	25 32	1 51	20 23	0 19	4 18	1 29	24 0	0 35	23 11	0 36	7 38	0 47	5 42	1 57	31 25	13 25	0 35	0 19	10 23		n.a.
M18	23 22	18 36	4 58	25 26	1 50	20 7	0 11	4 34	1 29	24 1	0 35	23 12	0 37	7 37	0 47	5 43	1 57	31 25	13 26	0 31	0 18	10 21		n.a.
T 19	23 26	18 33	4 59	25 18	1 47	19 50	0 3	4 50	1 28	24 2	0 36	23 12	0 37	7 37	0 47	5 43	1 58	31 26	13 26	0 26	0 17	10 20		n.a.
W20	23 30	17 18	4 41	25 8	1 44	19 33	0s 5	5 6	1 28	24 2	0 36	23 13	0 37	7 37	0 47	5 44	1 58	31 26	13 26	0 22	0 15	10 18		n.a.
T 21	23 33	14 54	4 5	24 56	1 40	19 16	0 14	5 22	1 28	24 3	0 36	23 13	0 37	7 37	0 47	5 44	1 58	31 27	13 26	0 19	0 14	10 17		n.a.
F 22	23 36	11 36	3 13	24 42	1 36	18 59	0 23	5 38	1 28	24 4	0 36	23 14	0 37	7 37	0 47	5 44	1 58	31 27	13 27	0 17	0 13	10 15		n.a.
S 23	23 39	7 37	2 9	24 27	1 32	18 42	0 32	5 53	1 27	24 4	0 36	23 15	0 37	7 37	0 47	5 45	1 58	31 28	13 27	0 16	0 11	10 13		n.a.
S 24	23 41	3 15	0 58	24 11	1 27	18 25	0 42	6 9	1 27	24 5	0 37	23 15	0 37	7 37	0 47	5 45	1 58	31 28	13 27	0 16	0 10	10 12		n.a.
M25	23 42	1s14	0n16	23 53	1 21	18 8	0 51	6 25	1 27	24 6	0 37	23 16	0 37	7 37	0 47	5 46	1 58	31 29	13 28	0 16	0 9	10 10		n.a.
T 26	23 44	5 35	1 28	23 33	1 15	17 51	1 1	6 40	1 26	24 6	0 37	23 17	0 37	7 38	0 47	5 46	1 58	31 29	13 28	0 15	0 8	10 9		n.a.
W27	23 44	9 34	2 33	23 13	1 9	17 34	1 11	6 56	1 26	24 7	0 37	23 17	0 38	7 38	0 47	5 46	1 58	31 30	13 28	0 15	0 6	10 7		n.a.
T 28	23 45	13 1	3 29	22 52	1 2	17 18	1 22	7 11	1 26	24 8	0 37	23 18	0 38	7 38	0 47	5 47	1 58	31 30	13 28	0 13	0 5	10 6		n.a.
F 29	23 45	15 45	4 13	22 29	0 55	17 1	1 33	7 26	1 25	24 8	0 37	23 18	0 38	7 38	0 47	5 47	1 58	31 31	13 28	0 10	0 4	10 4		n.a.
S 30	23n44	17s38	4n43	22n 6	0n48	16n44	1s44	7n41	1s25	24s 9	0s38	23s19	0s38	7s38	0s47	5n47	1s58	31s31	13s29	0s 6	0s 3	10s 2		n.a.

Julian Day Number = 1566708.5, Delta T = 04h20m28s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'20, Lahiri = - 9°48'19 Julian Calendar 1 June 424 BCE == Greg. Calendar 27 May 424 BCE

The year -423 astronomical counting style corresponds to year 424 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

JULY 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 14 30	2♋34'29	23♐15	26♋55	8♌42	23♈31	7°R30	16°R35	12°R36	19♈12	7°R46	0°R 2	0♎ 3	27♒ 3	n.a.	S 1
M 2	18 18 26	3°31'52	5♑49	28°19	9° 2	24°10	7♑22	16♑30	12♓36	19°13	7♒45	29♏48	29♏59	27°10	n.a.	M 2
T 3	18 22 23	4°29'16	18°12	29°41	9°19	24°49	7°14	16°26	12°36	19°14	7°44	29°35	29°57	27°17	n.a.	T 3
W 4	18 26 20	5°26'40	0♒23	1♌ 1	9°35	25°28	7° 7	16°21	12°35	19°15	7°43	29°24	29°54	27°23	n.a.	W 4
T 5	18 30 16	6°24'07	12°24	2°20	9°48	26° 7	6°59	16°17	12°35	19°16	7°42	29°14	29°50	27°30	n.a.	T 5
F 6	18 34 13	7°21'34	24°17	3°36	10° 0	26°45	6°51	16°13	12°34	19°17	7°41	29° 8	29°47	27°37	n.a.	F 6
S 7	18 38 9	8°19'03	6♓ 6	4°50	10° 9	27°24	6°43	16° 8	12°33	19°17	7°40	29° 3	29°44	27°43	n.a.	S 7
S 8	18 42 6	9°16'33	17°54	6° 2	10°17	28° 2	6°35	16° 4	12°33	19°18	7°39	29° 2	29°41	27°50	n.a.	S 8
M 9	18 46 2	10°14'05	29°47	7°12	10°22	28°41	6°28	15°59	12°32	19°19	7°38	29°D 1	29°38	27°57	n.a.	M 9
T 10	18 49 59	11°11'38	11♈49	8°20	10°25	29°19	6°20	15°55	12°31	19°19	7°37	29°R 1	29°35	28° 3	n.a.	T 10
W11	18 53 55	12° 9'13	24° 6	9°25	10°R25	29°57	6°12	15°50	12°30	19°20	7°36	29° 1	29°31	28°10	n.a.	W11
T 12	18 57 52	13° 6'50	6♉43	10°28	10°24	0♉35	6° 4	15°46	12°29	19°21	7°35	28°59	29°28	28°17	n.a.	T 12
F 13	19 1 49	14° 4'28	19°45	11°28	10°20	1°12	5°57	15°41	12°29	19°21	7°33	28°54	29°25	28°23	n.a.	F 13
S 14	19 5 45	15° 2'08	3♊14	12°25	10°13	1°50	5°49	15°37	12°28	19°22	7°32	28°48	29°22	28°30	n.a.	S 14
S 15	19 9 42	15°59'49	17°11	13°20	10° 5	2°28	5°41	15°32	12°27	19°22	7°31	28°39	29°19	28°37	n.a.	S 15
M16	19 13 38	16°57'32	1♋34	14°11	9°54	3° 5	5°34	15°28	12°26	19°23	7°30	28°28	29°15	28°43	n.a.	M16
T 17	19 17 35	17°55'17	16°17	14°59	9°40	3°42	5°26	15°23	12°24	19°23	7°29	28°18	29°12	28°50	n.a.	T 17
W18	19 21 31	18°53'03	1♌12	15°44	9°25	4°19	5°19	15°19	12°23	19°23	7°28	28° 8	29° 9	28°57	n.a.	W18
T 19	19 25 28	19°50'51	16°11	16°26	9° 7	4°56	5°12	15°14	12°22	19°24	7°26	28° 1	29° 6	29° 4	n.a.	T 19
F 20	19 29 24	20°48'40	1♍ 4	17° 3	8°46	5°32	5° 4	15°10	12°21	19°24	7°25	27°56	29° 3	29°10	n.a.	F 20
S 21	19 33 21	21°46'30	15°44	17°37	8°24	6° 9	4°57	15° 5	12°20	19°24	7°24	27°53	29° 0	29°17	n.a.	S 21
S 22	19 37 18	22°44'22	0♎ 7	18° 6	7°59	6°45	4°50	15° 1	12°18	19°25	7°23	27°D53	28°56	29°23	n.a.	S 22
M23	19 41 14	23°42'15	14°11	18°31	7°33	7°22	4°43	14°56	12°17	19°25	7°22	27°53	28°53	29°30	n.a.	M23
T 24	19 45 11	24°40'09	27°54	18°51	7° 5	7°58	4°36	14°52	12°16	19°25	7°20	27°R54	28°50	29°37	n.a.	T 24
W25	19 49 7	25°38'05	11♏20	19° 6	6°34	8°33	4°29	14°48	12°14	19°25	7°19	27°52	28°47	29°43	n.a.	W25
T 26	19 53 4	26°36'02	24°28	19°16	6° 3	9° 9	4°23	14°43	12°13	19°25	7°18	27°49	28°44	29°50	n.a.	T 26
F 27	19 57 0	27°34'01	7♐22	19°R21	5°29	9°45	4°16	14°39	12°11	19°25	7°17	27°43	28°40	29°57	n.a.	F 27
S 28	20 0 57	28°32'01	20° 3	19°19	4°55	10°20	4° 9	14°35	12°10	19°25	7°15	27°36	28°37	0♓ 3	n.a.	S 28
S 29	20 4 53	29°30'03	2♑32	19°12	4°20	10°55	4° 3	14°30	12° 8	19°R25	7°14	27°26	28°34	0°10	n.a.	S 29
M30	20 8 50	0♌28'06	14°51	18°58	3°44	11°30	3°57	14°26	12° 7	19°25	7°13	27°15	28°31	0°17	n.a.	M30
T 31	20 12 47	1♌26'11	27♑ 1	18♌39	3♌ 7	12♉ 5	3♑51	14♑22	12♓ 5	19♈25	7♒12	27♍ 5	28♍28	0♓23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23n43	18s36	4n58	21n42	0n40	16n28	1s55	7n56	1s25	24s 9	0s38	23s20	0s38	7s38	0s47	5n47	1s58	31s32	13s29	0s 1	0s 1	10s 1			n.a.
M 2	23 42	18 39	4 59	21 17	0 32	16 12	2 6	8 11	1 24	24 10	0 38	23 20	0 38	7 38	0 47	5 48	1 58	31 32	13 29	0n 5	0n 0	9 59			n.a.
T 3	23 40	17 47	4 45	20 51	0 24	15 56	2 18	8 26	1 24	24 11	0 38	23 21	0 38	7 39	0 47	5 48	1 58	31 33	13 29	0 10	0 1	9 58			n.a.
W 4	23 38	16 7	4 18	20 25	0 15	15 40	2 30	8 41	1 23	24 11	0 38	23 22	0 38	7 39	0 47	5 48	1 58	31 33	13 30	0 15	0 3	9 56			n.a.
T 5	23 35	13 47	3 40	19 59	0 6	15 25	2 42	8 55	1 23	24 12	0 38	23 22	0 38	7 39	0 47	5 49	1 59	31 34	13 30	0 18	0 4	9 54			n.a.
F 6	23 32	10 53	2 53	19 32	0s 4	15 10	2 55	9 10	1 22	24 12	0 39	23 23	0 39	7 39	0 47	5 49	1 59	31 34	13 30	0 21	0 5	9 53			n.a.
S 7	23 29	7 33	1 58	19 5	0 13	14 55	3 8	9 24	1 22	24 13	0 39	23 24	0 39	7 40	0 47	5 49	1 59	31 35	13 30	0 23	0 6	9 51			n.a.
S 8	23 25	3 57	0 59	18 38	0 23	14 40	3 21	9 39	1 22	24 13	0 39	23 24	0 39	7 40	0 47	5 49	1 59	31 35	13 30	0 24	0 8	9 50			n.a.
M 9	23 21	0 9	0s 4	18 11	0 33	14 26	3 34	9 53	1 21	24 14	0 39	23 25	0 39	7 40	0 47	5 49	1 59	31 36	13 31	0 24	0 9	9 48			n.a.
T 10	23 16	3n42	1 7	17 43	0 43	14 13	3 47	10 7	1 21	24 15	0 39	23 26	0 39	7 41	0 47	5 50	1 59	31 36	13 31	0 24	0 10	9 46			n.a.
W11	23 11	7 28	2 9	17 16	0 54	14 0	4 0	10 21	1 20	24 15	0 39	23 26	0 39	7 41	0 47	5 50	1 59	31 37	13 31	0 24	0 12	9 45			n.a.
T 12	23 5	11 0	3 6	16 49	1 4	13 47	4 14	10 35	1 20	24 16	0 39	23 27	0 39	7 41	0 47	5 50	1 59	31 37	13 31	0 25	0 13	9 43			n.a.
F 13	22 59	14 7	3 55	16 22	1 15	13 35	4 27	10 48	1 19	24 16	0 40	23 27	0 39	7 42	0 48	5 50	1 59	31 38	13 31	0 26	0 14	9 42			n.a.
S 14	22 53	16 36	4 33	15 55	1 26	13 24	4 41	11 2	1 19	24 17	0 40	23 28	0 39	7 42	0 48	5 50	1 59	31 38	13 32	0 29	0 15	9 40			n.a.
S 15	22 46	18 12	4 56	15 29	1 37	13 13	4 54	11 16	1 18	24 17	0 40	23 29	0 39	7 42	0 48	5 50	1 59	31 39	13 32	0 33	0 17	9 38			n.a.
M16	22 39	18 42	5 2	15 4	1 48	13 3	5 8	11 29	1 17	24 17	0 40	23 29	0 40	7 43	0 48	5 50	1 59	31 39	13 32	0 37	0 18	9 37			n.a.
T 17	22 32	17 58	4 48	14 39	1 59	12 53	5 21	11 42	1 17	24 18	0 40	23 30	0 40	7 43	0 48	5 51	1 59	31 40	13 32	0 41	0 19	9 35			n.a.
W18	22 24	16 1	4 14	14 15	2 10	12 45	5 35	11 55	1 16	24 18	0 40	23 31	0 40	7 44	0 48	5 51	1 59	31 40	13 32	0 45	0 20	9 34			n.a.
T 19	22 15	12 58	3 23	13 52	2 21	12 37	5 48	12 8	1 16	24 19	0 40	23 31	0 40	7 44	0 48	5 51	1 59	31 40	13 32	0 48	0 22	9 32			n.a.
F 20	22 7	9 5	2 18	13 30	2 32	12 29	6 1	12 21	1 15	24 19	0 40	23 32	0 40	7 45	0 48	5 51	2 0	31 41	13 32	0 50	0 23	9 30			n.a.
S 21	21 57	4 42	1 4	13 10	2 43	12 23	6 14	12 34	1 15	24 19	0 41	23 32	0 40	7 45	0 48	5 51	2 0	31 41	13 33	0 51	0 24	9 29			n.a.
S 22	21 48	0 8	0n12	12 50	2 54	12 17	6 26	12 47	1 14	24 20	0 41	23 33	0 40	7 46	0 48	5 51	2 0	31 42	13 33	0 51	0 26	9 27			n.a.
M23	21 38	4s21	1 26	12 33	3 5	12 12	6 38	12 59	1 13	24 20	0 41	23 34	0 40	7 46	0 48	5 51	2 0	31 42	13 33	0 51	0 27	9 25			n.a.
T 24	21 28	8 29	2 33	12 17	3 15	12 8	6 50	13 12	1 13	24 21	0 41	23 34	0 40	7 47	0 48	5 51	2 0	31 43	13 33	0 51	0 28	9 24			n.a.
W25	21 17	12 5	3 30	12 3	3 25	12 4	7 1	13 24	1 12	24 21	0 41	23 35	0 40	7 47	0 48	5 51	2 0	31 43	13 33	0 51	0 29	9 22			n.a.
T 26	21 6	15 0	4 15	11 50	3 34	12 2	7 12	13 36	1 11	24 21	0 41	23 35	0 40	7 48	0 48	5 51	2 0	31 44	13 33	0 53	0 31	9 21			n.a.
F 27	20 55	17 7	4 46	11 40	3 43	12 0	7 22	13 48	1 11	24 22	0 41	23 36	0 40	7 49	0 48	5 51	2 0	31 44	13 33	0 55	0 32	9 19			n.a.
S 28	20 43	18 21	5 2	11 33	3 52	11 59	7 31	14 0	1 10	24 22	0 41	23 36	0 40	7 49	0 48	5 51	2 0	31 45	13 33	0 58	0 33	9 17			n.a.
S 29	20 31	18 40	5 4	11 28	3 59	11 59	7 39	14 12	1 9	24 22	0 41	23 37	0 41	7 50	0 48	5 51	2 0	31 45	13 33	1 2	0 35	9 16			n.a.
M30	20 18	18 5	4 51	11 26	4 6	11 59	7 47	14 23	1 9	24 22	0 41	23 37	0 41	7 51	0 48	5 51	2 0	31 45	13 33	1 6	0 36	9 14			n.a.
T 31	20n 6	16s41	4n25	11n26	4s12	12n 1	7s54	14n35	1s 8	24s23	0s41	23s38	0s41	7s51	0s48	5n51	2s 0	31s46	13s34	1n10	0n37	9s12			n.a.

Julian Day Number = 1566738.5, Delta T = 04h20m27s
Ecliptic obliquity = 23°44'38, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'15, Lahiri = - 9°48'15 Julian Calendar 1 July 424 BCE == Greg. Calendar 26 June 424 BCE

The year -423 astronomical counting style corresponds to year 424 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

AUGUST 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 16 43	2♌24'18	9♒ 3	18°R13	2°R30	12♉39	3°R45	14°R18	12°R 3	19°R25	7°R10	26°R56	28♍25	0♓30	n.a.	W 1
T 2	20 20 40	3°22'27	20°57	17♌41	1♌53	13°14	3♊39	14♊14	12♓ 2	19♈25	7♒ 9	26♍48	28°21	0°37	n.a.	T 2
F 3	20 24 36	4°20'37	2♓47	17° 3	1°16	13°48	3°33	14° 9	12° 0	19°25	7° 8	26°43	28°18	0°43	n.a.	F 3
S 4	20 28 33	5°18'50	14°34	16°20	0°40	14°22	3°28	14° 5	11°58	19°25	7° 7	26°40	28°15	0°50	n.a.	S 4
S 5	20 32 29	6°17'04	26°22	15°31	0° 4	14°56	3°22	14° 1	11°56	19°25	7° 5	26°D39	28°12	0°57	n.a.	S 5
M 6	20 36 26	7°15'21	8♈14	14°38	29♋29	15°30	3°17	13°57	11°54	19°24	7° 4	26°40	28° 9	1° 3	n.a.	M 6
T 7	20 40 22	8°13'40	20°16	13°41	28°56	16° 3	3°12	13°54	11°53	19°24	7° 3	26°41	28° 6	1°10	n.a.	T 7
W 8	20 44 19	9°12'01	2♉31	12°42	28°23	16°36	3° 7	13°50	11°51	19°24	7° 2	26°42	28° 2	1°17	n.a.	W 8
T 9	20 48 15	10°10'24	15° 6	11°42	27°52	17° 9	3° 2	13°46	11°49	19°23	7° 0	26°R42	27°59	1°23	n.a.	T 9
F 10	20 52 12	11° 8'50	28° 4	10°41	27°23	17°42	2°57	13°42	11°47	19°23	6°59	26°41	27°56	1°30	n.a.	F 10
S 11	20 56 9	12° 7'18	11♊29	9°42	26°56	18°15	2°53	13°38	11°45	19°23	6°58	26°37	27°53	1°37	n.a.	S 11
S 12	21 0 5	13° 5'48	25°24	8°46	26°30	18°47	2°49	13°35	11°43	19°22	6°57	26°32	27°50	1°43	n.a.	S 12
M13	21 4 2	14° 4'21	9♋46	7°53	26° 7	19°19	2°44	13°31	11°41	19°22	6°55	26°26	27°46	1°50	n.a.	M13
T 14	21 7 58	15° 2'55	24°33	7° 7	25°46	19°51	2°41	13°28	11°39	19°21	6°54	26°20	27°43	1°57	n.a.	T 14
W15	21 11 55	16° 1'32	9♌37	6°27	25°27	20°23	2°37	13°24	11°36	19°21	6°53	26°14	27°40	2° 3	n.a.	W15
T 16	21 15 51	17° 0'11	24°49	5°54	25°10	20°54	2°33	13°21	11°34	19°20	6°52	26° 9	27°37	2°10	n.a.	T 16
F 17	21 19 48	17°58'52	9♍59	5°30	24°56	21°26	2°30	13°18	11°32	19°19	6°50	26° 7	27°34	2°17	n.a.	F 17
S 18	21 23 44	18°57'34	24°57	5°15	24°44	21°56	2°26	13°14	11°30	19°19	6°49	26°D 6	27°31	2°23	n.a.	S 18
S 19	21 27 41	19°56'19	9♎37	5°D10	24°34	22°27	2°23	13°11	11°28	19°18	6°48	26° 6	27°27	2°30	n.a.	S 19
M20	21 31 38	20°55'05	23°54	5°14	24°27	22°58	2°21	13° 8	11°26	19°17	6°47	26° 8	27°24	2°37	n.a.	M20
T 21	21 35 34	21°53'53	7♏46	5°28	24°23	23°28	2°18	13° 5	11°23	19°17	6°45	26° 9	27°21	2°43	n.a.	T 21
W22	21 39 31	22°52'44	21°13	5°52	24°D20	23°57	2°15	13° 2	11°21	19°16	6°44	26°R10	27°18	2°50	n.a.	W22
T 23	21 43 27	23°51'36	4♐19	6°25	24°20	24°27	2°13	12°59	11°19	19°15	6°43	26° 9	27°15	2°57	n.a.	T 23
F 24	21 47 24	24°50'29	17° 6	7° 7	24°23	24°56	2°11	12°56	11°16	19°14	6°42	26° 7	27°12	3° 3	n.a.	F 24
S 25	21 51 20	25°49'25	29°36	7°58	24°27	25°25	2° 9	12°54	11°14	19°14	6°41	26° 4	27° 8	3°10	n.a.	S 25
S 26	21 55 17	26°48'23	11♑54	8°56	24°34	25°54	2° 7	12°51	11°12	19°13	6°39	26° 0	27° 5	3°17	n.a.	S 26
M27	21 59 13	27°47'22	24° 1	10° 1	24°43	26°23	2° 6	12°49	11°10	19°12	6°38	25°55	27° 2	3°23	n.a.	M27
T 28	22 3 10	28°46'24	6♒ 0	11°13	24°55	26°51	2° 4	12°46	11° 7	19°11	6°37	25°50	26°59	3°30	n.a.	T 28
W29	22 7 7	29°45'27	17°54	12°31	25° 8	27°19	2° 3	12°44	11° 5	19°10	6°36	25°45	26°56	3°37	n.a.	W29
T 30	22 11 3	0♍44'33	29°44	13°54	25°24	27°46	2° 2	12°42	11° 2	19° 9	6°35	25°42	26°52	3°43	n.a.	T 30
F 31	22 15 0	1♍43'40	11♓32	15♌21	25♋41	28♉13	2♊ 2	12♊39	11♓ 0	19♈ 8	6♒34	25♍40	26♍49	3♓50	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	19n52	14s34	3n47	11n30	4s16	12n 3	8s 0	14n46	1s 7	24s23	0s41	23s38	0s41	7s52	0s48	5n50	2s 0	31s46	13s34	1n14	0n38	9s11			n.a.
T 2	19 39	11 51	3 0	11 37	4 19	12 6	8 6	14 57	1 7	24 23	0 42	23 39	0 41	7 53	0 48	5 50	2 0	31 47	13 34	1 17	0 40	9 9			n.a.
F 3	19 25	8 40	2 5	11 47	4 21	12 9	8 10	15 8	1 6	24 23	0 42	23 39	0 41	7 53	0 48	5 50	2 0	31 47	13 34	1 19	0 41	9 8			n.a.
S 4	19 11	5 9	1 5	12 0	4 21	12 14	8 14	15 19	1 5	24 24	0 42	23 40	0 41	7 54	0 48	5 50	2 1	31 47	13 34	1 21	0 42	9 6			n.a.
S 5	18 56	1 26	0 2	12 16	4 19	12 18	8 16	15 30	1 4	24 24	0 42	23 40	0 41	7 55	0 48	5 50	2 1	31 48	13 34	1 21	0 44	9 4			n.a.
M 6	18 42	2n21	1s 2	12 35	4 16	12 24	8 18	15 41	1 4	24 24	0 42	23 41	0 41	7 55	0 48	5 50	2 1	31 48	13 34	1 21	0 45	9 3			n.a.
T 7	18 26	6 6	2 4	12 56	4 10	12 30	8 19	15 51	1 3	24 24	0 42	23 41	0 41	7 56	0 48	5 50	2 1	31 49	13 34	1 20	0 46	9 1			n.a.
W 8	18 11	9 40	3 2	13 20	4 3	12 36	8 19	16 1	1 2	24 24	0 42	23 42	0 41	7 57	0 48	5 49	2 1	31 49	13 34	1 20	0 47	8 59			n.a.
T 9	17 55	12 52	3 52	13 46	3 53	12 43	8 18	16 12	1 1	24 24	0 42	23 42	0 41	7 58	0 48	5 49	2 1	31 49	13 34	1 20	0 49	8 58			n.a.
F 10	17 39	15 34	4 32	14 14	3 41	12 50	8 16	16 22	1 0	24 25	0 42	23 43	0 41	7 59	0 48	5 49	2 1	31 50	13 34	1 20	0 50	8 56			n.a.
S 11	17 23	17 30	4 59	14 42	3 28	12 58	8 14	16 32	0 59	24 25	0 42	23 43	0 41	7 59	0 48	5 49	2 1	31 50	13 34	1 22	0 51	8 54			n.a.
S 12	17 6	18 30	5 10	15 11	3 13	13 5	8 11	16 42	0 59	24 25	0 42	23 44	0 41	8 0	0 48	5 49	2 1	31 50	13 34	1 24	0 52	8 53			n.a.
M13	16 49	18 22	5 2	15 41	2 57	13 13	8 7	16 51	0 58	24 25	0 42	23 44	0 41	8 1	0 48	5 48	2 1	31 51	13 34	1 26	0 54	8 51			n.a.
T 14	16 32	17 0	4 33	16 10	2 39	13 22	8 2	17 1	0 57	24 25	0 42	23 44	0 42	8 2	0 48	5 48	2 1	31 51	13 34	1 29	0 55	8 49			n.a.
W15	16 14	14 26	3 46	16 37	2 21	13 30	7 57	17 10	0 56	24 25	0 42	23 45	0 42	8 3	0 48	5 48	2 1	31 51	13 34	1 31	0 56	8 48			n.a.
T 16	15 56	10 52	2 42	17 4	2 2	13 39	7 51	17 20	0 55	24 25	0 42	23 45	0 42	8 3	0 48	5 48	2 1	31 52	13 34	1 33	0 58	8 46			n.a.
F 17	15 38	6 35	1 27	17 28	1 43	13 47	7 45	17 29	0 54	24 25	0 42	23 46	0 42	8 4	0 48	5 47	2 1	31 52	13 34	1 34	0 59	8 45			n.a.
S 18	15 20	1 56	0 6	17 51	1 24	13 56	7 38	17 38	0 53	24 26	0 42	23 46	0 42	8 5	0 48	5 47	2 1	31 52	13 34	1 34	1 0	8 43			n.a.
S 19	15 1	2s44	1n13	18 11	1 5	14 5	7 31	17 47	0 52	24 26	0 42	23 46	0 42	8 6	0 48	5 47	2 1	31 53	13 34	1 34	1 1	8 41			n.a.
M20	14 42	7 8	2 26	18 28	0 46	14 14	7 23	17 55	0 51	24 26	0 42	23 47	0 42	8 7	0 48	5 46	2 2	31 53	13 34	1 34	1 3	8 40			n.a.
T 21	14 23	11 0	3 28	18 42	0 28	14 22	7 15	18 4	0 50	24 26	0 42	23 47	0 42	8 8	0 48	5 46	2 2	31 53	13 34	1 33	1 4	8 38			n.a.
W22	14 4	14 10	4 17	18 52	0 11	14 31	7 7	18 12	0 49	24 26	0 42	23 47	0 42	8 9	0 48	5 46	2 2	31 54	13 34	1 33	1 5	8 36			n.a.
T 23	13 44	16 31	4 51	19 0	0n 6	14 39	6 58	18 21	0 48	24 26	0 42	23 48	0 42	8 9	0 48	5 45	2 2	31 54	13 34	1 33	1 7	8 35			n.a.
F 24	13 24	17 59	5 9	19 4	0 21	14 48	6 49	18 29	0 47	24 26	0 42	23 48	0 42	8 10	0 48	5 45	2 2	31 54	13 34	1 34	1 8	8 33			n.a.
S 25	13 4	18 32	5 12	19 4	0 35	14 56	6 40	18 37	0 46	24 26	0 42	23 48	0 42	8 11	0 48	5 45	2 2	31 54	13 33	1 35	1 9	8 31			n.a.
S 26	12 44	18 12	5 1	19 1	0 48	15 4	6 31	18 45	0 45	24 26	0 42	23 49	0 42	8 12	0 49	5 44	2 2	31 55	13 33	1 37	1 10	8 30			n.a.
M27	12 24	17 2	4 37	18 55	1 0	15 12	6 22	18 53	0 44	24 26	0 42	23 49	0 42	8 13	0 49	5 44	2 2	31 55	13 33	1 39	1 12	8 28			n.a.
T 28	12 3	15 8	4 0	18 45	1 10	15 19	6 12	19 0	0 43	24 26	0 42	23 49	0 42	8 14	0 49	5 43	2 2	31 55	13 33	1 41	1 13	8 26			n.a.
W29	11 42	12 36	3 13	18 32	1 19	15 26	6 2	19 8	0 42	24 26	0 43	23 49	0 42	8 15	0 49	5 43	2 2	31 55	13 33	1 42	1 14	8 25			n.a.
T 30	11 21	9 33	2 18	18 16	1 28	15 33	5 53	19 15	0 41	24 26	0 43	23 50	0 42	8 16	0 49	5 43	2 2	31 56	13 33	1 44	1 15	8 23			n.a.
F 31	11n 0	6s 8	1n17	17n56	1n34	15n40	5s43	19n23	0s39	24s26	0s43	23s50	0s42	8s17	0s49	5n42	2s 2	31s56	13s33	1n45	1n17	8s21			n.a.

Julian Day Number = 1566769.5, Delta T = 04h20m26s
Ecliptic obliquity = 23°44'38, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'11, Lahiri = - 9°48'11 Julian Calendar 1 Aug. 424 BCE == Greg. Calendar 27 July 424 BCE

The year -423 astronomical counting style corresponds to year 424 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

SEPTEMBER 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 18 56	2♍42'50	23♓21	16♌53	26♋ 0	28♉40	2°R 1	12°R37	10°R58	19°R 7	6°R33	25°D39	26♍46	3♓57	n.a.	S 1
S 2	22 22 53	3°42'02	5♈12	18°27	26°22	29° 7	2♉ 1	12♉35	10♓55	19♈ 6	6♒31	25♍40	26°43	4° 3	n.a.	S 2
M 3	22 26 49	4°41'17	17° 9	20° 4	26°45	29°33	2°D 1	12°33	10°53	19° 5	6°30	25°41	26°40	4°10	n.a.	M 3
T 4	22 30 46	5°40'34	29°15	21°44	27°10	29°59	2° 1	12°32	10°50	19° 4	6°29	25°42	26°37	4°17	n.a.	T 4
W 5	22 34 42	6°39'53	11♉33	23°25	27°36	0♊24	2° 1	12°30	10°48	19° 2	6°28	25°44	26°33	4°23	n.a.	W 5
T 6	22 38 39	7°39'14	24° 8	25° 7	28° 4	0°49	2° 1	12°28	10°46	19° 1	6°27	25°45	26°30	4°30	n.a.	T 6
F 7	22 42 35	8°38'38	7♊ 3	26°51	28°34	1°14	2° 2	12°27	10°43	19° 0	6°26	25°R45	26°27	4°37	n.a.	F 7
S 8	22 46 32	9°38'05	20°21	28°35	29° 6	1°39	2° 3	12°25	10°41	18°59	6°25	25°45	26°24	4°43	n.a.	S 8
S 9	22 50 29	10°37'34	4♋ 6	0♍20	29°38	2° 3	2° 4	12°24	10°38	18°58	6°24	25°44	26°21	4°50	n.a.	S 9
M10	22 54 25	11°37'06	18°17	2° 5	0♌13	2°26	2° 5	12°23	10°36	18°56	6°23	25°43	26°18	4°56	n.a.	M10
T 11	22 58 22	12°36'39	2♌53	3°50	0°48	2°50	2° 7	12°22	10°33	18°55	6°22	25°41	26°14	5° 3	n.a.	T 11
W12	23 2 18	13°36'16	17°48	5°35	1°25	3°12	2° 8	12°20	10°31	18°54	6°21	25°39	26°11	5°10	n.a.	W12
T 13	23 6 15	14°35'54	2♍57	7°20	2° 3	3°35	2°10	12°20	10°29	18°52	6°20	25°38	26° 8	5°16	n.a.	T 13
F 14	23 10 11	15°35'35	18° 9	9° 4	2°43	3°57	2°12	12°19	10°26	18°51	6°19	25°38	26° 5	5°23	n.a.	F 14
S 15	23 14 8	16°35'17	3♎16	10°49	3°23	4°18	2°14	12°18	10°24	18°50	6°18	25°D38	26° 2	5°30	n.a.	S 15
S 16	23 18 4	17°35'02	18° 7	12°33	4° 5	4°39	2°17	12°17	10°21	18°48	6°17	25°38	25°58	5°36	n.a.	S 16
M17	23 22 1	18°34'48	2♏37	14°16	4°48	5° 0	2°20	12°17	10°19	18°47	6°17	25°39	25°55	5°43	n.a.	M17
T 18	23 25 57	19°34'37	16°41	15°59	5°32	5°20	2°22	12°16	10°16	18°46	6°16	25°40	25°52	5°50	n.a.	T 18
W19	23 29 54	20°34'27	0♐18	17°41	6°17	5°40	2°25	12°16	10°14	18°44	6°15	25°40	25°49	5°56	n.a.	W19
T 20	23 33 51	21°34'20	13°30	19°23	7° 2	5°59	2°29	12°16	10°12	18°43	6°14	25°40	25°46	6° 3	n.a.	T 20
F 21	23 37 47	22°34'14	26°17	21° 4	7°49	6°17	2°32	12°16	10° 9	18°41	6°13	25°R40	25°43	6°10	n.a.	F 21
S 22	23 41 44	23°34'09	8♑45	22°45	8°37	6°36	2°36	12°D16	10° 7	18°40	6°12	25°40	25°39	6°16	n.a.	S 22
S 23	23 45 40	24°34'07	20°58	24°25	9°25	6°53	2°39	12°16	10° 5	18°38	6°12	25°40	25°36	6°23	n.a.	S 23
M24	23 49 37	25°34'06	2♒58	26° 5	10°14	7°10	2°43	12°16	10° 2	18°37	6°11	25°D40	25°33	6°30	n.a.	M24
T 25	23 53 33	26°34'07	14°51	27°44	11° 5	7°27	2°47	12°16	10° 0	18°35	6°10	25°40	25°30	6°36	n.a.	T 25
W26	23 57 30	27°34'10	26°41	29°22	11°56	7°43	2°52	12°17	9°58	18°34	6° 9	25°40	25°27	6°43	n.a.	W26
T 27	0 1 26	28°34'15	8♓29	1♎ 0	12°47	7°58	2°56	12°17	9°55	18°32	6° 9	25°40	25°23	6°50	n.a.	T 27
F 28	0 5 23	29°34'21	20°18	2°37	13°40	8°13	3° 1	12°18	9°53	18°30	6° 8	25°R41	25°20	6°56	n.a.	F 28
S 29	0 9 20	0♎34'30	2♈12	4°14	14°33	8°28	3° 6	12°18	9°51	18°29	6° 7	25°41	25°17	7° 3	n.a.	S 29
S 30	0 13 16	1♎34'40	14♈12	5♎51	15♌27	8♊41	3♉11	12♉19	9♓49	18♈27	6♒ 7	25♍40	25♍14	7♓10	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n38	2s29	0n13	17n34	1n40	15n46	5s33	19n30	0s38	24s26	0s43	23s50	0s42	8s18	0s49	5n42	2s 2	31s56	13s33	1n45	1n18	8s20		n.a.
S 2	10 17	1n17	0s53	17 9	1 45	15 52	5 23	19 37	0 37	24 26	0 43	23 50	0 42	8 19	0 49	5 41	2 2	31 56	13 33	1 45	1 19	8 18		n.a.
M 3	9 55	5 2	1 56	16 42	1 49	15 57	5 13	19 44	0 36	24 26	0 43	23 51	0 42	8 20	0 49	5 41	2 2	31 56	13 33	1 44	1 21	8 16		n.a.
T 4	9 33	8 37	2 55	16 12	1 52	16 2	5 3	19 50	0 35	24 26	0 43	23 51	0 42	8 20	0 49	5 40	2 2	31 56	13 32	1 44	1 22	8 15		n.a.
W 5	9 11	11 53	3 48	15 40	1 54	16 7	4 53	19 57	0 33	24 26	0 43	23 51	0 42	8 21	0 49	5 40	2 2	31 57	13 32	1 43	1 23	8 13		n.a.
T 6	8 48	14 41	4 30	15 7	1 55	16 11	4 44	20 4	0 32	24 26	0 43	23 51	0 42	8 22	0 49	5 39	2 2	31 57	13 32	1 43	1 24	8 11		n.a.
F 7	8 26	16 50	5 0	14 31	1 55	16 15	4 34	20 10	0 31	24 26	0 43	23 51	0 42	8 23	0 49	5 39	2 2	31 57	13 32	1 42	1 26	8 10		n.a.
S 8	8 3	18 9	5 16	13 54	1 55	16 18	4 24	20 16	0 30	24 26	0 43	23 52	0 42	8 24	0 49	5 38	2 3	31 57	13 32	1 43	1 27	8 8		n.a.
S 9	7 41	18 27	5 14	13 16	1 54	16 21	4 14	20 22	0 28	24 26	0 43	23 52	0 42	8 25	0 49	5 38	2 3	31 57	13 32	1 43	1 28	8 6		n.a.
M10	7 18	17 39	4 53	12 36	1 52	16 23	4 4	20 28	0 27	24 26	0 43	23 52	0 42	8 26	0 49	5 37	2 3	31 57	13 32	1 44	1 30	8 4		n.a.
T 11	6 55	15 40	4 13	11 56	1 50	16 25	3 55	20 34	0 25	24 26	0 43	23 52	0 42	8 27	0 49	5 37	2 3	31 57	13 31	1 44	1 31	8 3		n.a.
W12	6 32	12 36	3 15	11 14	1 47	16 26	3 45	20 40	0 24	24 26	0 42	23 52	0 42	8 28	0 49	5 36	2 3	31 58	13 31	1 45	1 32	8 1		n.a.
T 13	6 8	8 39	2 3	10 32	1 44	16 27	3 36	20 46	0 23	24 26	0 42	23 52	0 42	8 29	0 49	5 36	2 3	31 58	13 31	1 45	1 33	7 59		n.a.
F 14	5 45	4 6	0 41	9 49	1 40	16 27	3 26	20 52	0 21	24 26	0 42	23 52	0 42	8 30	0 49	5 35	2 3	31 58	13 31	1 45	1 35	7 58		n.a.
S 15	5 22	0s40	0n42	9 5	1 37	16 27	3 17	20 57	0 20	24 26	0 42	23 52	0 43	8 31	0 49	5 35	2 3	31 58	13 31	1 45	1 36	7 56		n.a.
S 16	4 58	5 19	2 2	8 21	1 32	16 26	3 8	21 2	0 18	24 26	0 42	23 52	0 43	8 32	0 49	5 34	2 3	31 58	13 31	1 45	1 37	7 54		n.a.
M17	4 34	9 32	3 12	7 37	1 28	16 25	2 59	21 8	0 17	24 26	0 42	23 52	0 43	8 33	0 49	5 33	2 3	31 58	13 30	1 45	1 38	7 53		n.a.
T 18	4 11	13 5	4 8	6 52	1 23	16 23	2 50	21 13	0 15	24 26	0 42	23 53	0 43	8 33	0 48	5 33	2 3	31 58	13 30	1 45	1 40	7 51		n.a.
W19	3 47	15 47	4 48	6 7	1 18	16 21	2 41	21 18	0 14	24 26	0 42	23 53	0 43	8 34	0 48	5 32	2 3	31 58	13 30	1 45	1 41	7 49		n.a.
T 20	3 23	17 34	5 11	5 22	1 12	16 18	2 32	21 23	0 12	24 26	0 42	23 53	0 43	8 35	0 48	5 32	2 3	31 58	13 30	1 45	1 42	7 48		n.a.
F 21	2 59	18 24	5 18	4 36	1 7	16 14	2 24	21 28	0 11	24 26	0 42	23 53	0 43	8 36	0 48	5 31	2 3	31 58	13 30	1 44	1 44	7 46		n.a.
S 22	2 35	18 18	5 10	3 51	1 1	16 10	2 15	21 32	0 9	24 25	0 42	23 53	0 43	8 37	0 48	5 31	2 3	31 58	13 29	1 45	1 45	7 44		n.a.
S 23	2 11	17 21	4 48	3 5	0 55	16 5	2 7	21 37	0 7	24 25	0 42	23 53	0 43	8 38	0 48	5 30	2 3	31 58	13 29	1 45	1 46	7 42		n.a.
M24	1 47	15 38	4 13	2 19	0 49	16 0	1 58	21 42	0 6	24 25	0 42	23 53	0 43	8 39	0 48	5 29	2 3	31 58	13 29	1 45	1 47	7 41		n.a.
T 25	1 23	13 16	3 28	1 34	0 43	15 54	1 50	21 46	0 4	24 25	0 42	23 53	0 43	8 40	0 48	5 29	2 3	31 58	13 29	1 45	1 49	7 39		n.a.
W26	0 59	10 22	2 35	0 49	0 36	15 48	1 42	21 50	0 2	24 25	0 42	23 53	0 43	8 41	0 48	5 28	2 3	31 58	13 29	1 45	1 50	7 37		n.a.
T 27	0 35	7 2	1 34	0 3	0 30	15 41	1 34	21 55	0 0	24 25	0 42	23 53	0 43	8 41	0 48	5 27	2 3	31 58	13 28	1 44	1 51	7 36		n.a.
F 28	0 10	3 26	0 30	0s42	0 24	15 33	1 26	21 59	0n 1	24 25	0 42	23 53	0 43	8 42	0 48	5 27	2 3	31 58	13 28	1 44	1 53	7 34		n.a.
S 29	0s14	0n20	0s36	1 27	0 17	15 25	1 19	22 3	0 3	24 25	0 42	23 52	0 43	8 43	0 48	5 26	2 3	31 58	13 28	1 44	1 54	7 32		n.a.
S 30	0s38	4n 7	1s41	2s11	0n10	15n17	1s11	22n 7	0n 5	24s25	0s42	23s52	0s43	8s44	0s48	5n26	2s 3	31s58	13s28	1n44	1n55	7s31		n.a.

Julian Day Number = 1566800.5, Delta T = 04h20m25s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'07, Lahiri = - 9°48'07 Julian Calendar 1 Sept. 424 BCE == Greg. Calendar 27 Aug. 424 BCE

The year -423 astronomical counting style corresponds to year 424 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

OCTOBER 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 17 13	2♎34'53	26♈20	7♎27	16♌21	8♊55	3♉16	12♉20	9°R47	18°R26	6°R 6	25°R40	25♍11	7♓16	n.a.	M 1
T 2	0 21 9	3°35'07	8♉37	9° 2	17°16	9° 7	3°21	12°21	9♓44	18♈24	6♒ 6	25♍39	25° 8	7°23	n.a.	T 2
W 3	0 25 6	4°35'24	21° 7	10°37	18°12	9°19	3°27	12°22	9°42	18°22	6° 5	25°37	25° 4	7°29	n.a.	W 3
T 4	0 29 2	5°35'42	3♊49	12°12	19° 9	9°30	3°33	12°23	9°40	18°21	6° 5	25°36	25° 1	7°36	n.a.	T 4
F 5	0 32 59	6°36'03	16°48	13°46	20° 5	9°41	3°39	12°25	9°38	18°19	6° 4	25°35	24°58	7°43	n.a.	F 5
S 6	0 36 55	7°36'26	0♋ 5	15°20	21° 3	9°51	3°45	12°26	9°36	18°17	6° 4	25°35	24°55	7°49	n.a.	S 6
S 7	0 40 52	8°36'51	13°41	16°54	22° 1	10° 0	3°51	12°28	9°34	18°16	6° 3	25°D34	24°52	7°56	n.a.	S 7
M 8	0 44 48	9°37'18	27°38	18°27	23° 0	10° 9	3°57	12°29	9°32	18°14	6° 3	25°35	24°49	8° 3	n.a.	M 8
T 9	0 48 45	10°37'47	11♌55	20° 0	23°59	10°16	4° 4	12°31	9°30	18°12	6° 2	25°36	24°45	8° 9	n.a.	T 9
W10	0 52 42	11°38'18	26°31	21°32	24°58	10°24	4°11	12°33	9°28	18°11	6° 2	25°37	24°42	8°16	n.a.	W10
T 11	0 56 38	12°38'51	11♍20	23° 5	25°58	10°30	4°17	12°35	9°26	18° 9	6° 1	25°38	24°39	8°23	n.a.	T 11
F 12	1 0 35	13°39'26	26°17	24°36	26°59	10°35	4°24	12°37	9°24	18° 7	6° 1	25°R39	24°36	8°29	n.a.	F 12
S 13	1 4 31	14°40'02	11♎15	26° 8	28° 0	10°40	4°32	12°39	9°22	18° 6	6° 1	25°38	24°33	8°36	n.a.	S 13
S 14	1 8 28	15°40'40	26° 4	27°39	29° 1	10°44	4°39	12°41	9°20	18° 4	6° 0	25°36	24°29	8°43	n.a.	S 14
M15	1 12 24	16°41'20	10♏37	29°10	0♍ 3	10°48	4°47	12°43	9°19	18° 2	6° 0	25°34	24°26	8°49	n.a.	M15
T 16	1 16 21	17°42'01	24°48	0♏41	1° 5	10°50	4°54	12°46	9°17	18° 1	6° 0	25°31	24°23	8°56	n.a.	T 16
W17	1 20 17	18°42'44	8♐33	2°11	2° 7	10°52	5° 2	12°48	9°15	17°59	6° 0	25°27	24°20	9° 3	n.a.	W17
T 18	1 24 14	19°43'28	21°52	3°41	3°10	10°53	5°10	12°51	9°13	17°57	5°59	25°24	24°17	9° 9	n.a.	T 18
F 19	1 28 11	20°44'13	4♑45	5°11	4°14	10°R53	5°18	12°54	9°12	17°55	5°59	25°22	24°14	9°16	n.a.	F 19
S 20	1 32 7	21°45'00	17°16	6°40	5°17	10°52	5°26	12°56	9°10	17°54	5°59	25°D21	24°10	9°23	n.a.	S 20
S 21	1 36 4	22°45'47	29°29	8° 9	6°21	10°51	5°35	12°59	9° 9	17°52	5°59	25°21	24° 7	9°29	n.a.	S 21
M22	1 40 0	23°46'36	11♒28	9°37	7°25	10°48	5°43	13° 2	9° 7	17°50	5°59	25°22	24° 4	9°36	n.a.	M22
T 23	1 43 57	24°47'26	23°19	11° 5	8°30	10°45	5°52	13° 5	9° 6	17°49	5°59	25°24	24° 1	9°43	n.a.	T 23
W24	1 47 53	25°48'17	5♓ 7	12°33	9°35	10°41	6° 1	13° 8	9° 4	17°47	5°59	25°26	23°58	9°49	n.a.	W24
T 25	1 51 50	26°49'09	16°55	14° 0	10°40	10°36	6°10	13°12	9° 3	17°45	5°59	25°27	23°54	9°56	n.a.	T 25
F 26	1 55 46	27°50'02	28°48	15°26	11°45	10°30	6°19	13°15	9° 1	17°44	5°D59	25°R28	23°51	10° 2	n.a.	F 26
S 27	1 59 43	28°50'56	10♈49	16°51	12°51	10°24	6°28	13°19	9° 0	17°42	5°59	25°26	23°48	10° 9	n.a.	S 27
S 28	2 3 40	29°51'52	23° 0	18°16	13°57	10°16	6°37	13°22	8°59	17°40	5°59	25°23	23°45	10°16	n.a.	S 28
M29	2 7 36	0♏52'48	5♉23	19°39	15° 3	10° 8	6°47	13°26	8°57	17°39	5°59	25°19	23°42	10°22	n.a.	M29
T 30	2 11 33	1°53'46	17°59	21° 1	16°10	9°59	6°56	13°29	8°56	17°37	5°59	25°13	23°39	10°29	n.a.	T 30
W31	2 15 29	2♏54'45	0♊47	22♏22	17♍17	9♊49	7♉ 6	13♉33	8♓55	17♈35	5♒59	25♍ 6	23♍35	10♓36	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	1s 2	7n46	2s42	2s56	0n 4	15n 7	1s 4	22n11	0n 7	24s24	0s42	23s52	0s43	8s45	0s48	5n25	2s 3	31s58	13s27	1n45	1n56	7s29			n.a.
T 2	1 27	11 8	3 37	3 40	0s 3	14 58	0 57	22 15	0 9	24 24	0 42	23 52	0 43	8 46	0 48	5 24	2 3	31 58	13 27	1 45	1 58	7 27			n.a.
W 3	1 51	14 3	4 22	4 24	0 9	14 47	0 49	22 18	0 11	24 24	0 42	23 52	0 43	8 46	0 48	5 24	2 3	31 58	13 27	1 46	1 59	7 25			n.a.
T 4	2 15	16 22	4 55	5 8	0 16	14 36	0 42	22 22	0 13	24 24	0 42	23 52	0 43	8 47	0 48	5 23	2 3	31 58	13 27	1 46	2 0	7 24			n.a.
F 5	2 39	17 53	5 14	5 51	0 22	14 25	0 35	22 26	0 15	24 24	0 42	23 52	0 43	8 48	0 48	5 22	2 3	31 58	13 26	1 47	2 1	7 22			n.a.
S 6	3 3	18 28	5 16	6 34	0 29	14 13	0 29	22 29	0 17	24 24	0 42	23 52	0 43	8 49	0 48	5 22	2 3	31 57	13 26	1 47	2 3	7 20			n.a.
S 7	3 27	18 2	5 2	7 16	0 36	14 0	0 22	22 33	0 19	24 23	0 42	23 52	0 43	8 49	0 48	5 21	2 3	31 57	13 26	1 47	2 4	7 19			n.a.
M 8	3 52	16 30	4 29	7 58	0 42	13 47	0 15	22 36	0 21	24 23	0 42	23 52	0 43	8 50	0 48	5 20	2 3	31 57	13 26	1 47	2 5	7 17			n.a.
T 9	4 16	13 55	3 39	8 40	0 48	13 33	0 9	22 39	0 23	24 23	0 42	23 51	0 43	8 51	0 48	5 20	2 3	31 57	13 25	1 46	2 7	7 15			n.a.
W10	4 40	10 25	2 35	9 21	0 55	13 19	0 3	22 42	0 25	24 23	0 42	23 51	0 43	8 52	0 48	5 19	2 3	31 57	13 25	1 46	2 8	7 13			n.a.
T 11	5 3	6 12	1 18	10 1	1 1	13 4	0n 3	22 45	0 27	24 22	0 42	23 51	0 43	8 52	0 48	5 18	2 3	31 57	13 25	1 45	2 9	7 12			n.a.
F 12	5 27	1 33	0n 4	10 41	1 7	12 49	0 9	22 48	0 29	24 22	0 42	23 51	0 43	8 53	0 48	5 18	2 3	31 57	13 25	1 45	2 10	7 10			n.a.
S 13	5 51	3s12	1 25	11 21	1 13	12 33	0 15	22 51	0 32	24 22	0 42	23 51	0 43	8 54	0 48	5 17	2 3	31 56	13 24	1 45	2 12	7 8			n.a.
S 14	6 15	7 42	2 40	12 0	1 19	12 17	0 21	22 54	0 34	24 22	0 42	23 50	0 43	8 54	0 48	5 16	2 3	31 56	13 24	1 46	2 13	7 6			n.a.
M15	6 38	11 39	3 44	12 38	1 25	12 0	0 26	22 57	0 36	24 21	0 42	23 50	0 43	8 55	0 48	5 16	2 3	31 56	13 24	1 47	2 14	7 5			n.a.
T 16	7 2	14 49	4 31	13 16	1 30	11 43	0 32	23 0	0 39	24 21	0 42	23 50	0 43	8 56	0 48	5 15	2 3	31 56	13 23	1 48	2 15	7 3			n.a.
W17	7 25	17 3	5 2	13 53	1 36	11 26	0 37	23 2	0 41	24 21	0 42	23 50	0 43	8 56	0 48	5 15	2 3	31 56	13 23	1 50	2 17	7 1			n.a.
T 18	7 49	18 16	5 14	14 29	1 41	11 7	0 42	23 5	0 43	24 20	0 42	23 50	0 43	8 57	0 48	5 14	2 3	31 55	13 23	1 51	2 18	7 0			n.a.
F 19	8 12	18 29	5 11	15 5	1 46	10 49	0 47	23 7	0 46	24 20	0 42	23 49	0 43	8 58	0 48	5 13	2 3	31 55	13 23	1 52	2 19	6 58			n.a.
S 20	8 35	17 47	4 52	15 39	1 51	10 30	0 52	23 9	0 48	24 20	0 42	23 49	0 43	8 58	0 48	5 13	2 3	31 55	13 22	1 52	2 21	6 56			n.a.
S 21	8 58	16 16	4 21	16 13	1 56	10 10	0 57	23 12	0 51	24 19	0 42	23 49	0 43	8 59	0 48	5 12	2 3	31 55	13 22	1 52	2 22	6 54			n.a.
M22	9 21	14 3	3 39	16 46	2 0	9 50	1 1	23 14	0 53	24 19	0 42	23 48	0 43	8 59	0 48	5 11	2 3	31 54	13 22	1 52	2 23	6 53			n.a.
T 23	9 43	11 17	2 48	17 19	2 4	9 30	1 6	23 16	0 56	24 19	0 42	23 48	0 43	9 0	0 48	5 11	2 3	31 54	13 21	1 51	2 24	6 51			n.a.
W24	10 6	8 4	1 49	17 50	2 8	9 9	1 10	23 18	0 58	24 18	0 42	23 48	0 43	9 0	0 48	5 10	2 3	31 54	13 21	1 50	2 26	6 49			n.a.
T 25	10 28	4 31	0 47	18 20	2 12	8 48	1 14	23 19	1 1	24 18	0 42	23 48	0 43	9 1	0 48	5 9	2 3	31 54	13 21	1 50	2 27	6 47			n.a.
F 26	10 50	0 46	0s18	18 49	2 15	8 27	1 18	23 21	1 3	24 17	0 42	23 47	0 43	9 1	0 48	5 9	2 3	31 53	13 21	1 50	2 28	6 46			n.a.
S 27	11 12	3n 4	1 23	19 17	2 18	8 5	1 22	23 23	1 6	24 17	0 42	23 47	0 43	9 2	0 48	5 8	2 3	31 53	13 20	1 50	2 29	6 44			n.a.
S 28	11 34	6 49	2 25	19 43	2 20	7 43	1 26	23 24	1 9	24 16	0 42	23 47	0 43	9 2	0 48	5 7	2 3	31 53	13 20	1 51	2 31	6 42			n.a.
M29	11 56	10 20	3 21	20 9	2 22	7 20	1 30	23 26	1 11	24 16	0 42	23 46	0 43	9 3	0 48	5 7	2 3	31 53	13 20	1 53	2 32	6 40			n.a.
T 30	12 17	13 26	4 8	20 33	2 24	6 57	1 33	23 27	1 14	24 15	0 42	23 46	0 43	9 3	0 48	5 6	2 3	31 52	13 19	1 56	2 33	6 39			n.a.
W31	12s38	15n58	4s43	20s55	2s25	6n34	1n36	23n28	1n17	24s15	0s42	23s45	0s43	9s 4	0s47	5n 6	2s 3	31s52	13s19	1n58	2n35	6s37			n.a.

Julian Day Number = 1566830.5, Delta T = 04h20m24s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°55'03, Lahiri = - 9°48'02 Julian Calendar 1 Oct. 424 BCE == Greg. Calendar 26 Sept. 424 BCE

The year -423 astronomical counting style corresponds to year 424 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

NOVEMBER 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 19 26	3♏55'45	13♊49	23♏42	18♍24	9°R38	7♑16	13♑37	8°R54	17°R34	5♒59	24°R59	23♍32	10♓42	n.a.	T 1
F 2	2 23 22	4°56'47	27° 3	24°59	19°31	9♊26	7°26	13°41	8♓53	17♈32	5°59	24♍53	23°29	10°49	n.a.	F 2
S 3	2 27 19	5°57'49	10♋29	26°15	20°39	9°14	7°36	13°45	8°52	17°31	6° 0	24°48	23°26	10°56	n.a.	S 3
S 4	2 31 15	6°58'53	24° 7	27°28	21°46	9° 0	7°46	13°49	8°51	17°29	6° 0	24°46	23°23	11° 2	n.a.	S 4
M 5	2 35 12	7°59'59	7♌58	28°39	22°54	8°46	7°57	13°54	8°50	17°27	6° 0	24°D45	23°20	11° 9	n.a.	M 5
T 6	2 39 9	9° 1'05	22° 1	29°46	24° 2	8°31	8° 7	13°58	8°49	17°26	6° 0	24°45	23°16	11°16	n.a.	T 6
W 7	2 43 5	10° 2'13	6♍16	0♐50	25°11	8°16	8°18	14° 2	8°48	17°24	6° 1	24°47	23°13	11°22	n.a.	W 7
T 8	2 47 2	11° 3'21	20°40	1°50	26°19	7°59	8°28	14° 7	8°47	17°23	6° 1	24°R48	23°10	11°29	n.a.	T 8
F 9	2 50 58	12° 4'31	5♎11	2°44	27°28	7°42	8°39	14°11	8°47	17°21	6° 1	24°47	23° 7	11°36	n.a.	F 9
S 10	2 54 55	13° 5'42	19°44	3°34	28°37	7°24	8°50	14°16	8°46	17°20	6° 2	24°45	23° 4	11°42	n.a.	S 10
S 11	2 58 51	14° 6'53	4♏14	4°17	29°46	7° 5	9° 1	14°21	8°45	17°18	6° 2	24°40	23° 0	11°49	n.a.	S 11
M12	3 2 48	15° 8'06	18°34	4°52	0♎56	6°46	9°12	14°25	8°45	17°17	6° 3	24°33	22°57	11°55	n.a.	M12
T 13	3 6 44	16° 9'19	2♐38	5°20	2° 5	6°26	9°23	14°30	8°44	17°15	6° 3	24°24	22°54	12° 2	n.a.	T 13
W14	3 10 41	17°10'32	16°22	5°40	3°15	6° 6	9°34	14°35	8°44	17°14	6° 4	24°14	22°51	12° 9	n.a.	W14
T 15	3 14 38	18°11'46	29°42	5°R49	4°24	5°45	9°46	14°40	8°43	17°12	6° 4	24° 5	22°48	12°15	n.a.	T 15
F 16	3 18 34	19°13'01	12♑38	5°48	5°34	5°24	9°57	14°45	8°43	17°11	6° 5	23°58	22°45	12°22	n.a.	F 16
S 17	3 22 31	20°14'15	25°12	5°36	6°44	5° 2	10° 9	14°50	8°43	17°10	6° 5	23°52	22°41	12°29	n.a.	S 17
S 18	3 26 27	21°15'30	7♒28	5°12	7°54	4°40	10°21	14°56	8°42	17° 8	6° 6	23°49	22°38	12°35	n.a.	S 18
M19	3 30 24	22°16'45	19°28	4°36	9° 5	4°17	10°32	15° 1	8°42	17° 7	6° 6	23°D48	22°35	12°42	n.a.	M19
T 20	3 34 20	23°18'00	1♓19	3°49	10°15	3°54	10°44	15° 6	8°42	17° 6	6° 7	23°48	22°32	12°49	n.a.	T 20
W21	3 38 17	24°19'15	13° 7	2°52	11°26	3°31	10°56	15°12	8°42	17° 4	6° 8	23°49	22°29	12°55	n.a.	W21
T 22	3 42 13	25°20'30	24°56	1°45	12°36	3° 7	11° 8	15°17	8°42	17° 3	6° 8	23°R49	22°26	13° 2	n.a.	T 22
F 23	3 46 10	26°21'45	6♈51	0°31	13°47	2°43	11°20	15°23	8°D42	17° 2	6° 9	23°48	22°22	13° 9	n.a.	F 23
S 24	3 50 7	27°23'00	18°58	29♏11	14°58	2°20	11°32	15°28	8°42	17° 1	6°10	23°45	22°19	13°15	n.a.	S 24
S 25	3 54 3	28°24'15	1♉19	27°49	16° 9	1°56	11°45	15°34	8°42	17° 0	6°10	23°39	22°16	13°22	n.a.	S 25
M26	3 58 0	29°25'30	13°57	26°28	17°20	1°32	11°57	15°40	8°42	16°58	6°11	23°31	22°13	13°29	n.a.	M26
T 27	4 1 56	0♐26'45	26°52	25° 9	18°32	1° 8	12° 9	15°45	8°42	16°57	6°12	23°20	22°10	13°35	n.a.	T 27
W28	4 5 53	1°28'00	10♊ 3	23°55	19°43	0°44	12°22	15°51	8°42	16°56	6°13	23° 8	22° 6	13°42	n.a.	W28
T 29	4 9 49	2°29'16	23°30	22°49	20°54	0°20	12°35	15°57	8°43	16°55	6°14	22°56	22° 3	13°48	n.a.	T 29
F 30	4 13 46	3♐30'31	7♋ 9	21♏52	22♎ 6	29♉56	12♑47	16♑ 3	8♓43	16♈54	6♒15	22♍44	22♍ 0	13♓55	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s59	17n43	5s 4	21s16	2s25	6n10	1n40	23n29	1n19	24s14	0s42	23s45	0s43	9s 4	0s47	5n 5	2s 3	31s52	13s19	2n 1	2n36	6s35		n.a.
F 2	13 20	18 33	5 10	21 36	2 25	5 46	1 43	23 30	1 22	24 14	0 42	23 45	0 43	9 4	0 47	5 4	2 3	31 51	13 19	2 4	2 37	6 33		n.a.
S 3	13 41	18 22	4 59	21 54	2 24	5 22	1 46	23 31	1 25	24 13	0 42	23 44	0 43	9 5	0 47	5 4	2 3	31 51	13 18	2 5	2 38	6 32		n.a.
S 4	14 1	17 7	4 31	22 10	2 23	4 58	1 49	23 31	1 27	24 13	0 42	23 44	0 43	9 5	0 47	5 3	2 3	31 51	13 18	2 6	2 40	6 30		n.a.
M 5	14 21	14 52	3 46	22 24	2 20	4 33	1 51	23 32	1 30	24 12	0 42	23 43	0 43	9 5	0 47	5 3	2 3	31 50	13 18	2 7	2 41	6 28		n.a.
T 6	14 41	11 42	2 48	22 36	2 17	4 8	1 54	23 32	1 33	24 11	0 42	23 43	0 43	9 6	0 47	5 2	2 3	31 50	13 17	2 7	2 42	6 26		n.a.
W 7	15 1	7 48	1 39	22 46	2 13	3 43	1 56	23 32	1 36	24 11	0 42	23 42	0 43	9 6	0 47	5 2	2 3	31 50	13 17	2 6	2 43	6 25		n.a.
T 8	15 20	3 24	0 22	22 53	2 9	3 17	1 59	23 32	1 38	24 10	0 42	23 42	0 43	9 6	0 47	5 1	2 3	31 49	13 17	2 6	2 45	6 23		n.a.
F 9	15 39	1s14	0n56	22 59	2 3	2 52	2 1	23 32	1 41	24 9	0 42	23 42	0 43	9 6	0 47	5 0	2 3	31 49	13 17	2 6	2 46	6 21		n.a.
S 10	15 58	5 48	2 11	23 1	1 56	2 26	2 3	23 32	1 44	24 8	0 42	23 41	0 43	9 7	0 47	5 0	2 3	31 48	13 16	2 7	2 47	6 19		n.a.
S 11	16 17	10 1	3 16	23 2	1 47	2 0	2 5	23 31	1 46	24 8	0 42	23 41	0 43	9 7	0 47	4 59	2 3	31 48	13 16	2 9	2 49	6 18		n.a.
M12	16 35	13 35	4 9	22 59	1 38	1 33	2 6	23 30	1 49	24 7	0 42	23 40	0 43	9 7	0 47	4 59	2 3	31 48	13 16	2 12	2 50	6 16		n.a.
T 13	16 53	16 18	4 45	22 53	1 27	1 7	2 8	23 30	1 52	24 6	0 42	23 40	0 43	9 7	0 47	4 58	2 3	31 47	13 15	2 15	2 51	6 14		n.a.
W14	17 11	18 0	5 4	22 45	1 15	0 40	2 10	23 29	1 54	24 5	0 42	23 39	0 43	9 7	0 47	4 58	2 3	31 47	13 15	2 19	2 52	6 12		n.a.
T 15	17 28	18 40	5 5	22 33	1 1	0 14	2 11	23 27	1 57	24 5	0 42	23 38	0 43	9 7	0 47	4 57	2 3	31 46	13 15	2 23	2 54	6 11		n.a.
F 16	17 45	18 19	4 51	22 18	0 46	0s13	2 12	23 26	1 59	24 4	0 42	23 38	0 43	9 8	0 47	4 57	2 3	31 46	13 15	2 26	2 55	6 9		n.a.
S 17	18 2	17 4	4 22	21 59	0 29	0 40	2 13	23 24	2 2	24 3	0 42	23 37	0 43	9 8	0 47	4 56	2 3	31 46	13 14	2 28	2 56	6 7		n.a.
S 18	18 18	15 3	3 42	21 38	0 11	1 7	2 15	23 23	2 4	24 2	0 42	23 37	0 43	9 8	0 47	4 56	2 3	31 45	13 14	2 29	2 57	6 5		n.a.
M19	18 34	12 25	2 54	21 13	0n 7	1 34	2 15	23 21	2 7	24 1	0 42	23 36	0 43	9 8	0 47	4 55	2 3	31 45	13 14	2 30	2 59	6 4		n.a.
T 20	18 50	9 19	1 58	20 44	0 27	2 2	2 16	23 19	2 9	24 0	0 42	23 36	0 43	9 8	0 47	4 55	2 3	31 44	13 13	2 30	3 0	6 2		n.a.
W21	19 5	5 50	0 57	20 14	0 47	2 29	2 17	23 16	2 12	23 59	0 42	23 35	0 43	9 8	0 47	4 54	2 3	31 44	13 13	2 29	3 1	6 0		n.a.
T 22	19 21	2 8	0s 6	19 40	1 7	2 56	2 18	23 14	2 14	23 58	0 42	23 34	0 43	9 8	0 47	4 54	2 2	31 43	13 13	2 29	3 3	5 58		n.a.
F 23	19 35	1n42	1 9	19 6	1 27	3 23	2 18	23 12	2 16	23 57	0 42	23 34	0 43	9 8	0 47	4 53	2 2	31 43	13 13	2 29	3 4	5 57		n.a.
S 24	19 50	5 31	2 10	18 30	1 46	3 51	2 18	23 9	2 18	23 56	0 42	23 33	0 43	9 8	0 47	4 53	2 2	31 43	13 12	2 31	3 5	5 55		n.a.
S 25	20 3	9 11	3 6	17 55	2 4	4 18	2 19	23 6	2 20	23 55	0 42	23 32	0 43	9 8	0 46	4 53	2 2	31 42	13 12	2 33	3 6	5 53		n.a.
M26	20 17	12 30	3 54	17 21	2 20	4 46	2 19	23 3	2 22	23 54	0 42	23 32	0 43	9 8	0 46	4 52	2 2	31 42	13 12	2 37	3 8	5 51		n.a.
T 27	20 30	15 19	4 31	16 49	2 34	5 13	2 19	23 0	2 24	23 53	0 42	23 31	0 43	9 7	0 46	4 52	2 2	31 41	13 12	2 41	3 9	5 49		n.a.
W28	20 43	17 23	4 54	16 19	2 45	5 40	2 19	22 57	2 26	23 52	0 42	23 31	0 44	9 7	0 46	4 51	2 2	31 41	13 11	2 46	3 10	5 48		n.a.
T 29	20 55	18 33	5 2	15 54	2 54	6 8	2 18	22 53	2 28	23 50	0 42	23 30	0 44	9 7	0 46	4 51	2 2	31 40	13 11	2 51	3 11	5 46		n.a.
F 30	21s 7	18n41	4s53	15s33	3n 1	6s35	2n18	22n50	2n30	23s49	0s42	23s29	0s44	9s 7	0s46	4n51	2s 2	31s40	13s11	2n55	3n13	5s44		n.a.

Julian Day Number = 1566861.5, Delta T = 04h20m22s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'59, Lahiri = - 9°47'58 Julian Calendar 1 Nov. 424 BCE == Greg. Calendar 27 Oct. 424 BCE

The year -423 astronomical counting style corresponds to year 424 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 424 BCE
geocentric

DECEMBER 424 BCE (-423) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 17 43	4♐31'47	20♋57	21°R 4	23♎18	29°R33	13♑ 0	16♑ 9	8♓44	16°R53	6♒15	22°R35	21♍57	14♓ 2	n.a.	S 1
S 2	4 21 39	5°33'02	4♌52	20♏27	24°29	29♉10	13°13	16°15	8°44	16♈52	6°16	22♍29	21°54	14° 8	n.a.	S 2
M 3	4 25 36	6°34'18	18°51	20° 0	25°41	28°47	13°26	16°21	8°44	16°51	6°17	22°26	21°51	14°15	n.a.	M 3
T 4	4 29 32	7°35'33	2♍53	19°43	26°53	28°24	13°38	16°27	8°45	16°50	6°18	22°D25	21°47	14°22	n.a.	T 4
W 5	4 33 29	8°36'49	16°58	19°D36	28° 5	28° 2	13°51	16°34	8°46	16°49	6°19	22°R25	21°44	14°28	n.a.	W 5
T 6	4 37 25	9°38'05	1♎ 4	19°37	29°17	27°40	14° 5	16°40	8°46	16°48	6°20	22°25	21°41	14°35	n.a.	T 6
F 7	4 41 22	10°39'21	15°11	19°48	0♏29	27°18	14°18	16°46	8°47	16°47	6°21	22°23	21°38	14°42	n.a.	F 7
S 8	4 45 18	11°40'37	29°17	20° 6	1°42	26°58	14°31	16°53	8°48	16°46	6°22	22°19	21°35	14°48	n.a.	S 8
S 9	4 49 15	12°41'52	13♏19	20°31	2°54	26°37	14°44	16°59	8°49	16°46	6°23	22°11	21°31	14°55	n.a.	S 9
M10	4 53 12	13°43'07	27°13	21° 2	4° 6	26°17	14°57	17° 5	8°49	16°45	6°24	22° 1	21°28	15° 2	n.a.	M10
T 11	4 57 8	14°44'22	10♐57	21°39	5°19	25°58	15°11	17°12	8°50	16°44	6°25	21°49	21°25	15° 8	n.a.	T 11
W12	5 1 5	15°45'37	24°25	22°22	6°31	25°39	15°24	17°19	8°51	16°43	6°27	21°35	21°22	15°15	n.a.	W12
T 13	5 5 1	16°46'51	7♑35	23° 9	7°44	25°22	15°38	17°25	8°52	16°43	6°28	21°22	21°19	15°22	n.a.	T 13
F 14	5 8 58	17°48'04	20°26	24° 0	8°56	25° 4	15°51	17°32	8°53	16°42	6°29	21°10	21°16	15°28	n.a.	F 14
S 15	5 12 54	18°49'16	2♒58	24°55	10° 9	24°48	16° 5	17°38	8°54	16°41	6°30	21° 1	21°12	15°35	n.a.	S 15
S 16	5 16 51	19°50'28	15°13	25°54	11°22	24°32	16°18	17°45	8°56	16°41	6°31	20°54	21° 9	15°41	n.a.	S 16
M17	5 20 47	20°51'38	27°13	26°55	12°34	24°17	16°32	17°52	8°57	16°40	6°32	20°51	21° 6	15°48	n.a.	M17
T 18	5 24 44	21°52'48	9♓ 5	28° 0	13°47	24° 2	16°46	17°59	8°58	16°40	6°34	20°49	21° 3	15°55	n.a.	T 18
W19	5 28 41	22°53'56	20°52	29° 6	15° 0	23°49	16°59	18° 5	8°59	16°39	6°35	20°49	21° 0	16° 1	n.a.	W19
T 20	5 32 37	23°55'04	2♈41	0♐15	16°13	23°36	17°13	18°12	9° 1	16°39	6°36	20°49	20°57	16° 8	n.a.	T 20
F 21	5 36 34	24°56'10	14°37	1°26	17°26	23°24	17°27	18°19	9° 2	16°38	6°37	20°47	20°53	16°15	n.a.	F 21
S 22	5 40 30	25°57'15	26°46	2°39	18°39	23°13	17°41	18°26	9° 4	16°38	6°39	20°44	20°50	16°21	n.a.	S 22
S 23	5 44 27	26°58'19	9♉11	3°53	19°52	23° 3	17°55	18°33	9° 5	16°38	6°40	20°38	20°47	16°28	n.a.	S 23
M24	5 48 23	27°59'22	21°57	5° 9	21° 5	22°53	18° 9	18°40	9° 7	16°37	6°41	20°30	20°44	16°35	n.a.	M24
T 25	5 52 20	29° 0'23	5♊ 5	6°27	22°18	22°44	18°23	18°47	9° 8	16°37	6°43	20°19	20°41	16°41	n.a.	T 25
W26	5 56 16	0♑ 1'24	18°35	7°46	23°31	22°36	18°37	18°54	9°10	16°37	6°44	20° 6	20°37	16°48	n.a.	W26
T 27	6 0 13	1° 2'23	2♋26	9° 6	24°44	22°29	18°51	19° 1	9°12	16°37	6°45	19°53	20°34	16°55	n.a.	T 27
F 28	6 4 10	2° 3'22	16°31	10°27	25°57	22°23	19° 5	19° 8	9°13	16°36	6°47	19°42	20°31	17° 1	n.a.	F 28
S 29	6 8 6	3° 4'19	0♌48	11°49	27°10	22°17	19°19	19°15	9°15	16°36	6°48	19°32	20°28	17° 8	n.a.	S 29
S 30	6 12 3	4° 5'15	15° 9	13°13	28°23	22°13	19°33	19°22	9°17	16°36	6°49	19°25	20°25	17°15	n.a.	S 30
M31	6 15 59	5♑ 6'10	29♌29	14♐37	29♏37	22♉ 9	19♑47	19♑29	9♓19	16♈36	6♒51	19♍22	20♍22	17♓21	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s19	17n42	4s26	15s16	3n 6	7s 2	2n18	22n47	2n32	23s48	0s42	23s28	0s44	9s 7	0s46	4n50	2s 2	31s39	13s11	2n59	3n14	5s42		n.a.
S 2	21 30	15 40	3 44	15 4	3 8	7 29	2 17	22 43	2 33	23 47	0 42	23 28	0 44	9 7	0 46	4 50	2 2	31 39	13 10	3 1	3 15	5 41		n.a.
M 3	21 41	12 42	2 48	14 56	3 9	7 56	2 17	22 39	2 35	23 45	0 42	23 27	0 44	9 6	0 46	4 50	2 2	31 38	13 10	3 2	3 17	5 39		n.a.
T 4	21 51	9 0	1 42	14 52	3 8	8 23	2 16	22 36	2 36	23 44	0 42	23 26	0 44	9 6	0 46	4 49	2 2	31 38	13 10	3 3	3 18	5 37		n.a.
W 5	22 1	4 46	0 29	14 53	3 5	8 50	2 15	22 32	2 38	23 43	0 42	23 26	0 44	9 6	0 46	4 49	2 2	31 37	13 10	3 3	3 19	5 35		n.a.
T 6	22 11	0 16	0n46	14 57	3 2	9 16	2 14	22 28	2 39	23 41	0 42	23 25	0 44	9 6	0 46	4 49	2 2	31 37	13 9	3 3	3 20	5 33		n.a.
F 7	22 20	4s15	1 58	15 4	2 57	9 43	2 13	22 24	2 40	23 40	0 42	23 24	0 44	9 5	0 46	4 49	2 2	31 36	13 9	3 4	3 22	5 32		n.a.
S 8	22 28	8 31	3 2	15 15	2 51	10 9	2 12	22 21	2 42	23 39	0 42	23 23	0 44	9 5	0 46	4 48	2 2	31 36	13 9	3 5	3 23	5 30		n.a.
S 9	22 36	12 18	3 55	15 28	2 45	10 35	2 11	22 17	2 43	23 37	0 42	23 22	0 44	9 5	0 46	4 48	2 2	31 35	13 9	3 8	3 24	5 28		n.a.
M10	22 44	15 21	4 33	15 43	2 38	11 1	2 10	22 13	2 44	23 36	0 42	23 22	0 44	9 4	0 46	4 48	2 2	31 35	13 9	3 12	3 25	5 26		n.a.
T 11	22 51	17 30	4 55	16 0	2 30	11 27	2 8	22 9	2 45	23 34	0 42	23 21	0 44	9 4	0 46	4 48	2 1	31 34	13 8	3 17	3 27	5 25		n.a.
W12	22 58	18 38	5 0	16 18	2 22	11 52	2 7	22 6	2 45	23 33	0 42	23 20	0 44	9 3	0 46	4 47	2 1	31 34	13 8	3 23	3 28	5 23		n.a.
T 13	23 5	18 43	4 49	16 38	2 14	12 17	2 5	22 2	2 46	23 31	0 42	23 19	0 44	9 3	0 46	4 47	2 1	31 33	13 8	3 28	3 29	5 21		n.a.
F 14	23 11	17 50	4 23	16 59	2 5	12 42	2 4	21 58	2 47	23 30	0 43	23 18	0 44	9 3	0 46	4 47	2 1	31 33	13 8	3 33	3 30	5 19		n.a.
S 15	23 16	16 6	3 45	17 21	1 57	13 7	2 2	21 55	2 48	23 28	0 43	23 18	0 44	9 2	0 46	4 47	2 1	31 32	13 7	3 36	3 32	5 17		n.a.
S 16	23 21	13 40	2 57	17 44	1 48	13 31	2 1	21 52	2 48	23 26	0 43	23 17	0 44	9 2	0 46	4 47	2 1	31 32	13 7	3 39	3 33	5 16		n.a.
M17	23 25	10 41	2 2	18 7	1 39	13 55	1 59	21 48	2 49	23 25	0 43	23 16	0 44	9 1	0 46	4 46	2 1	31 31	13 7	3 40	3 34	5 14		n.a.
T 18	23 29	7 19	1 2	18 30	1 30	14 19	1 57	21 45	2 49	23 23	0 43	23 15	0 44	9 1	0 46	4 46	2 1	31 31	13 7	3 41	3 36	5 12		n.a.
W19	23 33	3 40	0s 0	18 53	1 21	14 43	1 55	21 42	2 50	23 21	0 43	23 14	0 44	9 0	0 46	4 46	2 1	31 30	13 7	3 41	3 37	5 10		n.a.
T 20	23 36	0n 8	1 3	19 17	1 12	15 6	1 53	21 39	2 50	23 20	0 43	23 13	0 44	9 0	0 45	4 46	2 1	31 30	13 7	3 41	3 38	5 8		n.a.
F 21	23 39	3 57	2 3	19 40	1 4	15 29	1 51	21 36	2 50	23 18	0 43	23 12	0 44	8 59	0 45	4 46	2 1	31 29	13 6	3 42	3 39	5 7		n.a.
S 22	23 41	7 41	2 58	20 4	0 55	15 51	1 49	21 34	2 51	23 16	0 43	23 11	0 44	8 58	0 45	4 46	2 1	31 29	13 6	3 43	3 41	5 5		n.a.
S 23	23 43	11 10	3 47	20 26	0 46	16 13	1 47	21 31	2 51	23 14	0 43	23 10	0 44	8 58	0 45	4 46	2 1	31 28	13 6	3 45	3 42	5 3		n.a.
M24	23 44	14 13	4 25	20 49	0 38	16 35	1 44	21 29	2 51	23 12	0 43	23 10	0 44	8 57	0 45	4 46	2 1	31 28	13 6	3 49	3 43	5 1		n.a.
T 25	23 44	16 39	4 50	21 11	0 29	16 56	1 42	21 27	2 51	23 10	0 43	23 9	0 45	8 57	0 45	4 46	2 1	31 27	13 6	3 53	3 44	4 59		n.a.
W26	23 45	18 15	5 1	21 32	0 21	17 17	1 40	21 25	2 51	23 9	0 43	23 8	0 45	8 56	0 45	4 46	2 0	31 27	13 6	3 58	3 46	4 58		n.a.
T 27	23 44	18 50	4 54	21 53	0 12	17 37	1 37	21 23	2 51	23 7	0 43	23 7	0 45	8 55	0 45	4 46	2 0	31 26	13 5	4 3	3 47	4 56		n.a.
F 28	23 44	18 15	4 29	22 14	0 4	17 57	1 35	21 21	2 51	23 5	0 43	23 6	0 45	8 55	0 45	4 46	2 0	31 26	13 5	4 8	3 48	4 54		n.a.
S 29	23 42	16 32	3 47	22 33	0s 3	18 17	1 32	21 19	2 51	23 3	0 43	23 5	0 45	8 54	0 45	4 46	2 0	31 25	13 5	4 12	3 49	4 52		n.a.
S 30	23 41	13 47	2 51	22 52	0 11	18 36	1 30	21 18	2 51	23 1	0 43	23 4	0 45	8 53	0 45	4 46	2 0	31 24	13 5	4 14	3 51	4 50		n.a.
M31	23s39	10n11	1s43	23s 9	0s19	18s54	1n27	21n17	2n51	22s59	0s43	23s 3	0s45	8s52	0s45	4n46	2s 0	31s24	13s 5	4n16	3n52	4s49		n.a.

Julian Day Number = 1566891.5, Delta T = 04h20m21s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'55, Lahiri = - 9°47'54 Julian Calendar 1 Dec. 424 BCE == Greg. Calendar 26 Nov. 424 BCE

The year -423 astronomical counting style corresponds to year 424 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

JANUARY 423 BCE (-422) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 19 56	6♑ 7'04	13♍46	16♐ 3	0♐50	22°R 6	20♑ 1	19♑37	9♓21	16°R36	6♒52	19°D20	20♍18	17♓28	n.a.	T 1
W 2	6 23 52	7° 7'57	27°56	17°29	2° 3	22♉ 3	20°16	19°44	9°23	16°D36	6°54	19♍20	20°15	17°34	n.a.	W 2
T 3	6 27 49	8° 8'49	11♎59	18°56	3°17	22° 2	20°30	19°51	9°25	16♈36	6°55	19°R20	20°12	17°41	n.a.	T 3
F 4	6 31 46	9° 9'41	25°54	20°24	4°30	22° 1	20°44	19°58	9°27	16°36	6°57	19°19	20° 9	17°48	n.a.	F 4
S 5	6 35 42	10°10'31	9♏41	21°53	5°43	22°D 1	20°58	20° 5	9°29	16°36	6°58	19°16	20° 6	17°54	n.a.	S 5
S 6	6 39 39	11°11'20	23°19	23°23	6°57	22° 1	21°13	20°13	9°31	16°36	7° 0	19°10	20° 3	18° 1	n.a.	S 6
M 7	6 43 35	12°12'07	6♐47	24°54	8°10	22° 3	21°27	20°20	9°33	16°37	7° 1	19° 1	19°59	18° 8	n.a.	M 7
T 8	6 47 32	13°12'54	20° 4	26°25	9°24	22° 5	21°41	20°27	9°35	16°37	7° 3	18°50	19°56	18°14	n.a.	T 8
W 9	6 51 28	14°13'39	3♑ 9	27°58	10°37	22° 8	21°56	20°34	9°37	16°37	7° 4	18°38	19°53	18°21	n.a.	W 9
T 10	6 55 25	15°14'23	16° 1	29°31	11°51	22°11	22°10	20°42	9°40	16°37	7° 6	18°26	19°50	18°28	n.a.	T 10
F 11	6 59 21	16°15'05	28°37	1♑ 5	13° 4	22°16	22°24	20°49	9°42	16°38	7° 7	18°16	19°47	18°34	n.a.	F 11
S 12	7 3 18	17°15'45	11♒ 0	2°40	14°18	22°21	22°39	20°56	9°44	16°38	7° 9	18° 7	19°43	18°41	n.a.	S 12
S 13	7 7 15	18°16'24	23° 9	4°15	15°31	22°26	22°53	21° 3	9°47	16°38	7°10	18° 1	19°40	18°48	n.a.	S 13
M14	7 11 11	19°17'01	5♓ 7	5°52	16°45	22°33	23° 8	21°11	9°49	16°39	7°12	17°58	19°37	18°54	n.a.	M14
T 15	7 15 8	20°17'36	16°57	7°29	17°58	22°40	23°22	21°18	9°52	16°39	7°13	17°D57	19°34	19° 1	n.a.	T 15
W16	7 19 4	21°18'09	28°44	9° 8	19°12	22°47	23°36	21°25	9°54	16°40	7°15	17°58	19°31	19° 8	n.a.	W16
T 17	7 23 1	22°18'40	10♈32	10°47	20°25	22°55	23°51	21°33	9°57	16°40	7°17	17°59	19°28	19°14	n.a.	T 17
F 18	7 26 57	23°19'09	22°27	12°27	21°39	23° 4	24° 5	21°40	9°59	16°41	7°18	17°R59	19°24	19°21	n.a.	F 18
S 19	7 30 54	24°19'36	4♉34	14° 8	22°53	23°14	24°20	21°47	10° 2	16°41	7°20	17°59	19°21	19°27	n.a.	S 19
S 20	7 34 50	25°20'02	16°58	15°50	24° 6	23°24	24°34	21°54	10° 4	16°42	7°21	17°56	19°18	19°34	n.a.	S 20
M21	7 38 47	26°20'25	29°45	17°33	25°20	23°34	24°48	22° 2	10° 7	16°43	7°23	17°51	19°15	19°41	n.a.	M21
T 22	7 42 44	27°20'46	12♊56	19°17	26°33	23°46	25° 3	22° 9	10°10	16°43	7°25	17°45	19°12	19°47	n.a.	T 22
W23	7 46 40	28°21'05	26°33	21° 1	27°47	23°57	25°17	22°16	10°12	16°44	7°26	17°37	19° 9	19°54	n.a.	W23
T 24	7 50 37	29°21'22	10♋36	22°47	29° 1	24°10	25°32	22°24	10°15	16°45	7°28	17°29	19° 5	20° 1	n.a.	T 24
F 25	7 54 33	0♒21'37	25° 0	24°34	0♑14	24°22	25°46	22°31	10°18	16°46	7°29	17°21	19° 2	20° 7	n.a.	F 25
S 26	7 58 30	1°21'50	9♌39	26°22	1°28	24°36	26° 0	22°38	10°21	16°46	7°31	17°15	18°59	20°14	n.a.	S 26
S 27	8 2 26	2°22'01	24°26	28°11	2°41	24°50	26°15	22°45	10°24	16°47	7°33	17°11	18°56	20°21	n.a.	S 27
M28	8 6 23	3°22'11	9♍14	0♒ 1	3°55	25° 4	26°29	22°52	10°26	16°48	7°34	17° 9	18°53	20°27	n.a.	M28
T 29	8 10 19	4°22'18	23°54	1°51	5° 9	25°19	26°44	23° 0	10°29	16°49	7°36	17°D 9	18°49	20°34	n.a.	T 29
W30	8 14 16	5°22'24	8♎24	3°43	6°22	25°34	26°58	23° 7	10°32	16°50	7°38	17°10	18°46	20°41	n.a.	W30
T 31	8 18 13	6♒22'28	22♎38	5♒36	7♑36	25♉50	27♑12	23♑14	10♓35	16♈51	7♒39	17♍11	18♍43	20♓47	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23s36	6n 1	0s30	23s26	0s26	19s12	1n24	21n16	2n50	22s57	0s43	23s 2	0s45	8s52	0s45	4n46	2s 0	31s23	13s 5	4n16	3n53	4s47			n.a.
W 2	23 33	1 31	0n46	23 42	0 33	19 30	1 22	21 15	2 50	22 55	0 43	23 1	0 45	8 51	0 45	4 46	2 0	31 23	13 5	4 16	3 54	4 45			n.a.
T 3	23 29	3s 0	1 57	23 57	0 40	19 47	1 19	21 14	2 50	22 52	0 44	23 0	0 45	8 50	0 45	4 46	2 0	31 22	13 4	4 16	3 56	4 43			n.a.
F 4	23 25	7 19	3 1	24 10	0 47	20 4	1 16	21 14	2 50	22 50	0 44	22 59	0 45	8 49	0 45	4 46	2 0	31 22	13 4	4 17	3 57	4 41			n.a.
S 5	23 21	11 12	3 54	24 23	0 53	20 20	1 14	21 14	2 49	22 48	0 44	22 58	0 45	8 48	0 45	4 46	2 0	31 21	13 4	4 18	3 58	4 39			n.a.
S 6	23 16	14 26	4 33	24 34	1 0	20 35	1 11	21 13	2 49	22 46	0 44	22 57	0 45	8 48	0 45	4 46	2 0	31 21	13 4	4 21	4 0	4 38			n.a.
M 7	23 11	16 51	4 56	24 44	1 6	20 50	1 8	21 13	2 49	22 44	0 44	22 56	0 45	8 47	0 45	4 46	2 0	31 20	13 4	4 24	4 1	4 36			n.a.
T 8	23 5	18 20	5 3	24 53	1 12	21 4	1 5	21 14	2 48	22 42	0 44	22 55	0 45	8 46	0 45	4 46	2 0	31 20	13 4	4 28	4 2	4 34			n.a.
W 9	22 58	18 49	4 53	25 1	1 17	21 18	1 2	21 14	2 48	22 39	0 44	22 54	0 45	8 45	0 45	4 47	1 59	31 19	13 4	4 33	4 3	4 32			n.a.
T 10	22 52	18 19	4 29	25 7	1 22	21 31	0 59	21 14	2 47	22 37	0 44	22 53	0 45	8 44	0 45	4 47	1 59	31 19	13 4	4 38	4 5	4 30			n.a.
F 11	22 44	16 55	3 52	25 12	1 27	21 43	0 56	21 15	2 47	22 35	0 44	22 51	0 46	8 43	0 45	4 47	1 59	31 18	13 4	4 42	4 6	4 29			n.a.
S 12	22 37	14 44	3 4	25 15	1 32	21 55	0 53	21 16	2 46	22 32	0 44	22 50	0 46	8 42	0 45	4 47	1 59	31 18	13 4	4 45	4 7	4 27			n.a.
S 13	22 29	11 57	2 9	25 17	1 36	22 7	0 51	21 17	2 46	22 30	0 44	22 49	0 46	8 41	0 45	4 47	1 59	31 17	13 3	4 48	4 8	4 25			n.a.
M14	22 20	8 42	1 8	25 17	1 41	22 17	0 48	21 18	2 45	22 28	0 44	22 48	0 46	8 40	0 45	4 48	1 59	31 17	13 3	4 49	4 10	4 23			n.a.
T 15	22 11	5 8	0 5	25 16	1 44	22 27	0 45	21 19	2 45	22 25	0 44	22 47	0 46	8 39	0 45	4 48	1 59	31 16	13 3	4 49	4 11	4 21			n.a.
W16	22 2	1 23	0s58	25 13	1 48	22 36	0 42	21 21	2 44	22 23	0 44	22 46	0 46	8 38	0 45	4 48	1 59	31 16	13 3	4 49	4 12	4 19			n.a.
T 17	21 52	2n25	1 58	25 9	1 51	22 45	0 39	21 23	2 44	22 20	0 45	22 45	0 46	8 37	0 45	4 48	1 59	31 15	13 3	4 49	4 13	4 18			n.a.
F 18	21 42	6 9	2 55	25 2	1 54	22 53	0 36	21 24	2 43	22 18	0 45	22 44	0 46	8 36	0 44	4 49	1 59	31 15	13 3	4 48	4 15	4 16			n.a.
S 19	21 31	9 41	3 44	24 55	1 56	23 0	0 33	21 26	2 43	22 15	0 45	22 43	0 46	8 35	0 44	4 49	1 59	31 14	13 3	4 49	4 16	4 14			n.a.
S 20	21 20	12 54	4 24	24 45	1 58	23 7	0 30	21 28	2 42	22 13	0 45	22 42	0 46	8 34	0 44	4 49	1 59	31 14	13 3	4 50	4 17	4 12			n.a.
M21	21 9	15 35	4 53	24 33	2 0	23 13	0 27	21 30	2 41	22 10	0 45	22 41	0 46	8 33	0 44	4 49	1 59	31 13	13 3	4 52	4 18	4 10			n.a.
T 22	20 57	17 34	5 7	24 20	2 1	23 18	0 24	21 33	2 41	22 8	0 45	22 39	0 46	8 32	0 44	4 50	1 59	31 13	13 3	4 54	4 20	4 9			n.a.
W23	20 45	18 38	5 4	24 5	2 2	23 23	0 21	21 35	2 40	22 5	0 45	22 38	0 46	8 31	0 44	4 50	1 59	31 13	13 3	4 57	4 21	4 7			n.a.
T 24	20 33	18 36	4 43	23 48	2 2	23 27	0 18	21 38	2 40	22 3	0 45	22 37	0 46	8 30	0 44	4 51	1 58	31 12	13 3	5 0	4 22	4 5			n.a.
F 25	20 20	17 24	4 4	23 29	2 2	23 30	0 15	21 40	2 39	22 0	0 45	22 36	0 47	8 29	0 44	4 51	1 58	31 12	13 3	5 4	4 24	4 3			n.a.
S 26	20 7	15 2	3 9	23 8	2 2	23 32	0 12	21 43	2 38	21 57	0 45	22 35	0 47	8 28	0 44	4 51	1 58	31 11	13 3	5 6	4 25	4 1			n.a.
S 27	19 53	11 40	2 0	22 46	2 1	23 34	0 9	21 46	2 38	21 55	0 45	22 34	0 47	8 27	0 44	4 52	1 58	31 11	13 3	5 8	4 26	3 59			n.a.
M28	19 39	7 33	0 43	22 21	1 59	23 35	0 6	21 49	2 37	21 52	0 46	22 33	0 47	8 26	0 44	4 52	1 58	31 10	13 3	5 8	4 27	3 58			n.a.
T 29	19 25	3 1	0n37	21 54	1 58	23 35	0 3	21 52	2 36	21 49	0 46	22 32	0 47	8 25	0 44	4 52	1 58	31 10	13 3	5 8	4 29	3 56			n.a.
W30	19 10	1s39	1 53	21 26	1 55	23 35	0 0	21 55	2 36	21 47	0 46	22 30	0 47	8 23	0 44	4 53	1 58	31 9	13 3	5 8	4 30	3 54			n.a.
T 31	18s55	6s 7	3n 1	20s55	1s52	23s34	0s 3	21n58	2n35	21s44	0s46	22s29	0s47	8s22	0s44	4n53	1s58	31s 9	13s 3	5n 7	4n31	3s52			n.a.

Julian Day Number = 1566922.5, Delta T = 04h20m20s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'50, Lahiri = - 9°47'50 Julian Calendar 1 Jan. 423 BCE == Greg. Calendar 27 Dec. 424 BCE

The year -422 astronomical counting style corresponds to year 423 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

FEBRUARY 423 BCE (-422) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 22 9	7♒22'30	6♏35	7♒30	8♑50	26♉ 6	27♑27	23♑21	10♓38	16♈52	7♒41	17°R12	18♍40	20♓54	n.a.	F 1
S 2	8 26 6	8°22'31	20°17	9°24	10° 3	26°22	27°41	23°28	10°41	16°53	7°42	17♍11	18°37	21° 0	n.a.	S 2
S 3	8 30 2	9°22'30	3♐42	11°20	11°17	26°39	27°55	23°35	10°44	16°54	7°44	17° 9	18°34	21° 7	n.a.	S 3
M 4	8 33 59	10°22'28	16°52	13°16	12°31	26°57	28° 9	23°43	10°47	16°55	7°46	17° 5	18°30	21°14	n.a.	M 4
T 5	8 37 55	11°22'23	29°48	15°13	13°44	27°15	28°24	23°50	10°50	16°56	7°47	16°59	18°27	21°20	n.a.	T 5
W 6	8 41 52	12°22'17	12♑31	17°10	14°58	27°33	28°38	23°57	10°53	16°57	7°49	16°53	18°24	21°27	n.a.	W 6
T 7	8 45 48	13°22'09	25° 2	19° 8	16°12	27°51	28°52	24° 4	10°57	16°59	7°51	16°47	18°21	21°34	n.a.	T 7
F 8	8 49 45	14°21'58	7♒22	21° 6	17°26	28°11	29° 6	24°11	11° 0	17° 0	7°52	16°41	18°18	21°40	n.a.	F 8
S 9	8 53 41	15°21'46	19°31	23° 4	18°39	28°30	29°20	24°18	11° 3	17° 1	7°54	16°37	18°15	21°47	n.a.	S 9
S 10	8 57 38	16°21'31	1♓31	25° 2	19°53	28°50	29°34	24°25	11° 6	17° 2	7°55	16°34	18°11	21°54	n.a.	S 10
M11	9 1 35	17°21'15	13°24	26°59	21° 7	29°10	29°49	24°32	11° 9	17° 4	7°57	16°D33	18° 8	22° 0	n.a.	M11
T 12	9 5 31	18°20'56	25°12	28°56	22°20	29°30	0♒ 3	24°39	11°12	17° 5	7°59	16°34	18° 5	22° 7	n.a.	T 12
W13	9 9 28	19°20'34	6♈58	0♓51	23°34	29°51	0°17	24°45	11°16	17° 6	8° 0	16°35	18° 2	22°14	n.a.	W13
T 14	9 13 24	20°20'11	18°47	2°45	24°48	0♊12	0°31	24°52	11°19	17° 8	8° 2	16°37	17°59	22°20	n.a.	T 14
F 15	9 17 21	21°19'45	0♉42	4°37	26° 1	0°34	0°45	24°59	11°22	17° 9	8° 4	16°38	17°55	22°27	n.a.	F 15
S 16	9 21 17	22°19'16	12°48	6°27	27°15	0°56	0°59	25° 6	11°25	17°11	8° 5	16°40	17°52	22°34	n.a.	S 16
S 17	9 25 14	23°18'45	25°10	8°14	28°29	1°18	1°12	25°13	11°29	17°12	8° 7	16°R40	17°49	22°40	n.a.	S 17
M18	9 29 10	24°18'12	7♊52	9°57	29°42	1°40	1°26	25°19	11°32	17°14	8° 8	16°39	17°46	22°47	n.a.	M18
T 19	9 33 7	25°17'37	20°58	11°37	0♒56	2° 3	1°40	25°26	11°35	17°15	8°10	16°38	17°43	22°53	n.a.	T 19
W20	9 37 4	26°16'59	4♋32	13°13	2°10	2°26	1°54	25°33	11°39	17°17	8°11	16°35	17°40	23° 0	n.a.	W20
T 21	9 41 0	27°16'18	18°33	14°44	3°23	2°49	2° 8	25°39	11°42	17°18	8°13	16°33	17°36	23° 7	n.a.	T 21
F 22	9 44 57	28°15'36	3♌ 0	16°10	4°37	3°13	2°21	25°46	11°45	17°20	8°15	16°30	17°33	23°13	n.a.	F 22
S 23	9 48 53	29°14'50	17°48	17°31	5°51	3°37	2°35	25°52	11°49	17°21	8°16	16°28	17°30	23°20	n.a.	S 23
S 24	9 52 50	0♓14'03	2♍50	18°46	7° 4	4° 1	2°49	25°59	11°52	17°23	8°18	16°27	17°27	23°27	n.a.	S 24
M25	9 56 46	1°13'13	17°57	19°55	8°18	4°25	3° 2	26° 5	11°55	17°25	8°19	16°D26	17°24	23°33	n.a.	M25
T 26	10 0 43	2°12'22	3♎ 0	20°58	9°32	4°50	3°16	26°12	11°59	17°26	8°21	16°27	17°20	23°40	n.a.	T 26
W27	10 4 39	3°11'28	17°51	21°55	10°45	5°15	3°29	26°18	12° 2	17°28	8°22	16°28	17°17	23°47	n.a.	W27
T 28	10 8 36	4♓10'32	2♏24	22♓44	11♒59	5♊40	3♒42	26♑24	12♓ 5	17♈30	8♒24	16♍29	17♍14	23♓53	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s40	10s10	3n57	20s22	1s48	23s32	0s 6	22n 1	2n34	21s41	0s46	22s28	0s47	8s21	0s44	4n54	1s58	31s 9	13s 3	5n 7	4n32	3s50		n.a.
S 2	18 24	13 35	4 38	19 48	1 44	23 30	0 8	22 5	2 34	21 39	0 46	22 27	0 47	8 20	0 44	4 54	1 58	31 8	13 3	5 7	4 34	3 48		n.a.
S 3	18 8	16 12	5 3	19 11	1 39	23 27	0 11	22 8	2 33	21 36	0 46	22 26	0 47	8 19	0 44	4 55	1 58	31 8	13 3	5 8	4 35	3 47		n.a.
M 4	17 52	17 55	5 11	18 33	1 34	23 23	0 14	22 12	2 32	21 33	0 46	22 25	0 47	8 18	0 44	4 55	1 58	31 7	13 3	5 10	4 36	3 45		n.a.
T 5	17 35	18 41	5 4	17 53	1 28	23 18	0 17	22 15	2 32	21 30	0 46	22 24	0 48	8 16	0 44	4 56	1 58	31 7	13 3	5 12	4 37	3 43		n.a.
W 6	17 18	18 29	4 41	17 11	1 22	23 13	0 19	22 19	2 31	21 27	0 47	22 22	0 48	8 15	0 44	4 56	1 58	31 6	13 3	5 15	4 39	3 41		n.a.
T 7	17 1	17 23	4 5	16 27	1 14	23 7	0 22	22 22	2 30	21 24	0 47	22 21	0 48	8 14	0 44	4 57	1 58	31 6	13 3	5 17	4 40	3 39		n.a.
F 8	16 44	15 28	3 18	15 42	1 6	23 0	0 25	22 26	2 30	21 22	0 47	22 20	0 48	8 13	0 44	4 57	1 57	31 6	13 3	5 19	4 41	3 37		n.a.
S 9	16 26	12 54	2 23	14 55	0 58	22 53	0 27	22 30	2 29	21 19	0 47	22 19	0 48	8 11	0 44	4 58	1 57	31 5	13 4	5 21	4 42	3 35		n.a.
S 10	16 8	9 48	1 22	14 6	0 49	22 44	0 30	22 34	2 28	21 16	0 47	22 18	0 48	8 10	0 44	4 58	1 57	31 5	13 4	5 22	4 44	3 34		n.a.
M11	15 50	6 20	0 17	13 17	0 39	22 36	0 32	22 38	2 28	21 13	0 47	22 17	0 48	8 9	0 44	4 59	1 57	31 4	13 4	5 22	4 45	3 32		n.a.
T 12	15 31	2 39	0s47	12 27	0 29	22 26	0 35	22 42	2 27	21 10	0 47	22 15	0 48	8 8	0 44	4 59	1 57	31 4	13 4	5 22	4 46	3 30		n.a.
W13	15 13	1n 7	1 50	11 35	0 18	22 16	0 37	22 45	2 26	21 7	0 47	22 14	0 48	8 6	0 44	5 0	1 57	31 4	13 4	5 22	4 47	3 28		n.a.
T 14	14 54	4 51	2 48	10 44	0 7	22 5	0 40	22 49	2 26	21 4	0 47	22 13	0 48	8 5	0 44	5 1	1 57	31 3	13 4	5 21	4 49	3 26		n.a.
F 15	14 34	8 26	3 40	9 52	0n 5	21 54	0 42	22 53	2 25	21 1	0 48	22 12	0 49	8 4	0 44	5 1	1 57	31 3	13 4	5 20	4 50	3 24		n.a.
S 16	14 15	11 43	4 22	9 0	0 17	21 42	0 44	22 57	2 24	20 58	0 48	22 11	0 49	8 3	0 44	5 2	1 57	31 3	13 4	5 20	4 51	3 23		n.a.
S 17	13 55	14 33	4 54	8 8	0 30	21 29	0 47	23 1	2 24	20 55	0 48	22 10	0 49	8 1	0 44	5 2	1 57	31 2	13 4	5 20	4 52	3 21		n.a.
M18	13 35	16 46	5 12	7 17	0 42	21 16	0 49	23 5	2 23	20 52	0 48	22 9	0 49	8 0	0 44	5 3	1 57	31 2	13 4	5 20	4 54	3 19		n.a.
T 19	13 15	18 12	5 15	6 27	0 55	21 2	0 51	23 9	2 22	20 49	0 48	22 7	0 49	7 59	0 44	5 4	1 57	31 2	13 5	5 21	4 55	3 17		n.a.
W20	12 55	18 40	5 1	5 38	1 8	20 47	0 53	23 14	2 22	20 46	0 48	22 6	0 49	7 58	0 44	5 4	1 57	31 1	13 5	5 22	4 56	3 15		n.a.
T 21	12 34	18 1	4 28	4 50	1 21	20 32	0 55	23 18	2 21	20 43	0 48	22 5	0 49	7 56	0 44	5 5	1 57	31 1	13 5	5 23	4 57	3 13		n.a.
F 22	12 14	16 12	3 38	4 5	1 34	20 17	0 57	23 22	2 20	20 40	0 49	22 4	0 49	7 55	0 44	5 6	1 57	31 1	13 5	5 24	4 59	3 11		n.a.
S 23	11 53	13 17	2 32	3 21	1 47	20 0	0 59	23 26	2 20	20 37	0 49	22 3	0 49	7 54	0 44	5 6	1 57	31 0	13 5	5 24	5 0	3 10		n.a.
S 24	11 32	9 26	1 15	2 40	1 59	19 43	1 1	23 30	2 19	20 34	0 49	22 2	0 50	7 52	0 44	5 7	1 57	31 0	13 5	5 25	5 1	3 8		n.a.
M25	11 11	4 57	0n 8	2 2	2 11	19 26	1 3	23 34	2 18	20 31	0 49	22 1	0 50	7 51	0 44	5 8	1 57	31 0	13 5	5 25	5 2	3 6		n.a.
T 26	10 49	0 10	1 31	1 27	2 22	19 8	1 5	23 38	2 18	20 28	0 49	22 0	0 50	7 50	0 44	5 8	1 57	31 0	13 6	5 25	5 4	3 4		n.a.
W27	10 28	4s33	2 46	0 54	2 33	18 49	1 6	23 42	2 17	20 25	0 49	21 59	0 50	7 48	0 44	5 9	1 56	30 59	13 6	5 24	5 5	3 2		n.a.
T 28	10s 6	8s53	3n48	0s25	2n43	18s30	1s 8	23n46	2n16	20s22	0s49	21s57	0s50	7s47	0s44	5n10	1s56	30s59	13s 6	5n24	5n 6	3s 0		n.a.

Julian Day Number = 1566953.5, Delta T = 04h20m19s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'46, Lahiri = - 9°47'46 Julian Calendar 1 Feb. 423 BCE == Greg. Calendar 27 Jan. 423 BCE

The year -422 astronomical counting style corresponds to year 423 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

MARCH 423 BCE (-422) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 12 32	5♓ 9'35	16♏36	23♓27	13♒13	6♊ 5	3♒56	26♑31	12♓ 9	17♈32	8♒25	16♍30	17♍11	24♓ 0	n.a.	F 1
S 2	10 16 29	6° 8'36	0♐23	24° 3	14°26	6°31	4° 9	26°37	12°12	17°33	8°27	16°R30	17° 8	24° 7	n.a.	S 2
S 3	10 20 26	7° 7'35	13°48	24°32	15°40	6°56	4°22	26°43	12°16	17°35	8°28	16°30	17° 5	24°13	n.a.	S 3
M 4	10 24 22	8° 6'32	26°52	24°54	16°54	7°22	4°36	26°49	12°19	17°37	8°30	16°30	17° 1	24°20	n.a.	M 4
T 5	10 28 19	9° 5'27	9♑36	25° 9	18° 7	7°49	4°49	26°55	12°23	17°39	8°31	16°29	16°58	24°26	n.a.	T 5
W 6	10 32 15	10° 4'20	22° 5	25°17	19°21	8°15	5° 2	27° 1	12°26	17°41	8°32	16°28	16°55	24°33	n.a.	W 6
T 7	10 36 12	11° 3'12	4♒21	25°R18	20°35	8°42	5°15	27° 7	12°29	17°42	8°34	16°27	16°52	24°40	n.a.	T 7
F 8	10 40 8	12° 2'01	16°26	25°12	21°48	9° 9	5°28	27°13	12°33	17°44	8°35	16°27	16°49	24°46	n.a.	F 8
S 9	10 44 5	13° 0'49	28°23	25° 0	23° 2	9°36	5°41	27°19	12°36	17°46	8°37	16°26	16°46	24°53	n.a.	S 9
S 10	10 48 1	13°59'34	10♓15	24°43	24°16	10° 3	5°54	27°25	12°40	17°48	8°38	16°26	16°42	25° 0	n.a.	S 10
M11	10 51 58	14°58'17	22° 4	24°19	25°29	10°30	6° 6	27°30	12°43	17°50	8°39	16°D26	16°39	25° 6	n.a.	M11
T 12	10 55 55	15°56'58	3♈51	23°51	26°43	10°58	6°19	27°36	12°46	17°52	8°41	16°R26	16°36	25°13	n.a.	T 12
W13	10 59 51	16°55'37	15°39	23°19	27°57	11°26	6°32	27°42	12°50	17°54	8°42	16°26	16°33	25°20	n.a.	W13
T 14	11 3 48	17°54'14	27°31	22°43	29°10	11°54	6°44	27°47	12°53	17°56	8°43	16°26	16°30	25°26	n.a.	T 14
F 15	11 7 44	18°52'49	9♉29	22° 4	0♓24	12°22	6°57	27°53	12°57	17°58	8°45	16°26	16°26	25°33	n.a.	F 15
S 16	11 11 41	19°51'21	21°38	21°22	1°38	12°50	7° 9	27°58	13° 0	18° 0	8°46	16°25	16°23	25°40	n.a.	S 16
S 17	11 15 37	20°49'51	4♊ 1	20°40	2°51	13°19	7°22	28° 3	13° 4	18° 2	8°47	16°25	16°20	25°46	n.a.	S 17
M18	11 19 34	21°48'19	16°41	19°56	4° 5	13°47	7°34	28° 9	13° 7	18° 4	8°49	16°D25	16°17	25°53	n.a.	M18
T 19	11 23 30	22°46'45	29°42	19°13	5°18	14°16	7°46	28°14	13°10	18° 6	8°50	16°25	16°14	26° 0	n.a.	T 19
W20	11 27 27	23°45'08	13♋ 7	18°32	6°32	14°45	7°58	28°19	13°14	18° 8	8°51	16°25	16°11	26° 6	n.a.	W20
T 21	11 31 23	24°43'30	26°58	17°51	7°46	15°14	8°10	28°24	13°17	18°10	8°52	16°26	16° 7	26°13	n.a.	T 21
F 22	11 35 20	25°41'49	11♌16	17°13	8°59	15°44	8°22	28°29	13°20	18°13	8°54	16°27	16° 4	26°19	n.a.	F 22
S 23	11 39 17	26°40'05	25°57	16°39	10°13	16°13	8°34	28°34	13°24	18°15	8°55	16°27	16° 1	26°26	n.a.	S 23
S 24	11 43 13	27°38'20	10♍57	16° 7	11°26	16°43	8°46	28°39	13°27	18°17	8°56	16°R28	15°58	26°33	n.a.	S 24
M25	11 47 10	28°36'32	26° 8	15°40	12°40	17°12	8°58	28°44	13°30	18°19	8°57	16°28	15°55	26°39	n.a.	M25
T 26	11 51 6	29°34'43	11♎21	15°16	13°54	17°42	9° 9	28°49	13°34	18°21	8°58	16°27	15°51	26°46	n.a.	T 26
W27	11 55 3	0♈32'52	26°26	14°58	15° 7	18°12	9°21	28°54	13°37	18°23	8°59	16°26	15°48	26°53	n.a.	W27
T 28	11 58 59	1°30'59	11♏15	14°44	16°21	18°42	9°32	28°58	13°40	18°25	9° 0	16°24	15°45	26°59	n.a.	T 28
F 29	12 2 56	2°29'05	25°41	14°34	17°34	19°13	9°44	29° 3	13°44	18°28	9° 1	16°22	15°42	27° 6	n.a.	F 29
S 30	12 6 52	3°27'09	9♐40	14°D30	18°48	19°43	9°55	29° 7	13°47	18°30	9° 3	16°20	15°39	27°13	n.a.	S 30
S 31	12 10 49	4♈25'12	23♐12	14♓30	20♓ 1	20♊14	10♒ 6	29♑12	13♓50	18♈32	9♒ 4	16♍19	15♍36	27♓19	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s44	12s37	4n35	0n 1	2n53	18s11	1s10	23n49	2n16	20s19	0s50	21s56	0s50	7s46	0s44	5n11	1s56	30s59	13s 6	5n24	5n 7	2s58		n.a.
S 2	9 22	15 31	5 5	0 23	3 1	17 50	1 11	23 53	2 15	20 16	0 50	21 55	0 50	7 44	0 44	5 11	1 56	30 59	13 6	5 24	5 9	2 57		n.a.
S 3	9 0	17 30	5 17	0 41	3 9	17 30	1 13	23 57	2 14	20 13	0 50	21 54	0 50	7 43	0 44	5 12	1 56	30 58	13 6	5 24	5 10	2 55		n.a.
M 4	8 38	18 30	5 12	0 55	3 15	17 9	1 14	24 1	2 14	20 10	0 50	21 53	0 50	7 42	0 44	5 13	1 56	30 58	13 7	5 24	5 11	2 53		n.a.
T 5	8 16	18 32	4 52	1 6	3 20	16 47	1 16	24 5	2 13	20 7	0 50	21 52	0 51	7 40	0 44	5 13	1 56	30 58	13 7	5 24	5 12	2 51		n.a.
W 6	7 53	17 39	4 18	1 13	3 24	16 25	1 17	24 8	2 12	20 4	0 50	21 51	0 51	7 39	0 44	5 14	1 56	30 58	13 7	5 24	5 14	2 49		n.a.
T 7	7 31	15 58	3 33	1 15	3 26	16 3	1 18	24 12	2 12	20 1	0 51	21 50	0 51	7 38	0 44	5 15	1 56	30 57	13 7	5 25	5 15	2 47		n.a.
F 8	7 8	13 35	2 39	1 14	3 27	15 40	1 19	24 16	2 11	19 58	0 51	21 49	0 51	7 36	0 44	5 16	1 56	30 57	13 7	5 25	5 16	2 45		n.a.
S 9	6 45	10 39	1 39	1 9	3 27	15 17	1 20	24 19	2 11	19 55	0 51	21 48	0 51	7 35	0 44	5 17	1 56	30 57	13 8	5 25	5 18	2 44		n.a.
S 10	6 22	7 17	0 34	1 0	3 25	14 53	1 21	24 23	2 10	19 52	0 51	21 47	0 51	7 34	0 44	5 17	1 56	30 57	13 8	5 25	5 19	2 42		n.a.
M11	6 0	3 40	0s31	0 48	3 21	14 29	1 22	24 26	2 9	19 49	0 51	21 46	0 51	7 32	0 44	5 18	1 56	30 57	13 8	5 25	5 20	2 40		n.a.
T 12	5 37	0n 5	1 35	0 32	3 16	14 4	1 23	24 30	2 9	19 46	0 51	21 45	0 52	7 31	0 44	5 19	1 56	30 56	13 8	5 25	5 21	2 38		n.a.
W13	5 14	3 51	2 36	0 13	3 10	13 39	1 24	24 33	2 8	19 43	0 52	21 44	0 52	7 30	0 44	5 20	1 56	30 56	13 8	5 25	5 23	2 36		n.a.
T 14	4 50	7 28	3 29	0s 9	3 1	13 14	1 25	24 36	2 7	19 39	0 52	21 43	0 52	7 29	0 44	5 20	1 56	30 56	13 9	5 25	5 24	2 34		n.a.
F 15	4 27	10 49	4 14	0 34	2 52	12 48	1 26	24 40	2 7	19 36	0 52	21 42	0 52	7 27	0 44	5 21	1 56	30 56	13 9	5 25	5 25	2 32		n.a.
S 16	4 4	13 45	4 49	1 0	2 41	12 22	1 26	24 43	2 6	19 33	0 52	21 41	0 52	7 26	0 44	5 22	1 56	30 56	13 9	5 25	5 26	2 30		n.a.
S 17	3 41	16 8	5 11	1 29	2 29	11 56	1 27	24 46	2 6	19 30	0 52	21 40	0 52	7 25	0 44	5 23	1 56	30 56	13 9	5 26	5 28	2 29		n.a.
M18	3 17	17 48	5 18	1 58	2 15	11 30	1 27	24 49	2 5	19 27	0 52	21 39	0 52	7 23	0 44	5 24	1 56	30 56	13 10	5 26	5 29	2 27		n.a.
T 19	2 54	18 35	5 9	2 28	2 1	11 3	1 28	24 52	2 4	19 24	0 53	21 38	0 53	7 22	0 44	5 25	1 56	30 55	13 10	5 26	5 30	2 25		n.a.
W20	2 31	18 22	4 44	2 59	1 46	10 35	1 28	24 54	2 4	19 21	0 53	21 37	0 53	7 21	0 44	5 25	1 56	30 55	13 10	5 25	5 31	2 23		n.a.
T 21	2 7	17 4	4 2	3 29	1 30	10 8	1 29	24 57	2 3	19 18	0 53	21 36	0 53	7 19	0 44	5 26	1 56	30 55	13 10	5 25	5 33	2 21		n.a.
F 22	1 44	14 41	3 3	3 59	1 14	9 40	1 29	25 0	2 2	19 15	0 53	21 35	0 53	7 18	0 44	5 27	1 56	30 55	13 11	5 25	5 34	2 19		n.a.
S 23	1 20	11 17	1 52	4 27	0 58	9 12	1 29	25 2	2 2	19 12	0 53	21 34	0 53	7 17	0 44	5 28	1 56	30 55	13 11	5 25	5 35	2 17		n.a.
S 24	0 57	7 5	0 31	4 55	0 41	8 44	1 29	25 5	2 1	19 9	0 54	21 34	0 53	7 15	0 44	5 29	1 56	30 55	13 11	5 24	5 36	2 15		n.a.
M25	0 34	2 22	0n53	5 21	0 25	8 16	1 29	25 7	2 1	19 7	0 54	21 33	0 53	7 14	0 44	5 30	1 56	30 55	13 11	5 25	5 37	2 14		n.a.
T 26	0 10	2s30	2 14	5 45	0 8	7 47	1 29	25 9	2 0	19 4	0 54	21 32	0 54	7 13	0 44	5 30	1 56	30 55	13 12	5 25	5 39	2 12		n.a.
W27	0n13	7 10	3 24	6 7	0s 8	7 18	1 29	25 12	1 59	19 1	0 54	21 31	0 54	7 12	0 44	5 31	1 55	30 55	13 12	5 25	5 40	2 10		n.a.
T 28	0 37	11 17	4 19	6 27	0 23	6 49	1 29	25 14	1 59	18 58	0 54	21 30	0 54	7 10	0 44	5 32	1 55	30 55	13 12	5 26	5 41	2 8		n.a.
F 29	1 0	14 38	4 56	6 44	0 38	6 20	1 29	25 16	1 58	18 55	0 55	21 29	0 54	7 9	0 44	5 33	1 55	30 55	13 13	5 27	5 42	2 6		n.a.
S 30	1 23	17 0	5 14	6 59	0 52	5 50	1 29	25 18	1 58	18 52	0 55	21 29	0 54	7 8	0 44	5 34	1 55	30 55	13 13	5 27	5 44	2 4		n.a.
S 31	1n47	18s20	5n14	7s11	1s 6	5s21	1s28	25n19	1n57	18s49	0s55	21s28	0s54	7s 6	0s44	5n35	1s55	30s55	13s13	5n28	5n45	2s 2		n.a.

Julian Day Number = 1566981.5, Delta T = 04h20m18s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'42, Lahiri = - 9°47'42 Julian Calendar 1 March 423 BCE == Greg. Calendar 24 Feb. 423 BCE

The year -422 astronomical counting style corresponds to year 423 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

APRIL 423 BCE (-422) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 14 46	5♈23'13	6♑17	14♓36	21♓15	20♊44	10♒17	29♑16	13♓53	18♈34	9♒ 5	16°D19	15♍32	27♓26	n.a.	M 1
T 2	12 18 42	6°21'13	19° 0	14°46	22°29	21°15	10°28	29°20	13°57	18°36	9° 6	16♍19	15°29	27°33	n.a.	T 2
W 3	12 22 39	7°19'11	1♒23	15° 0	23°42	21°46	10°39	29°24	14° 0	18°39	9° 7	16°20	15°26	27°39	n.a.	W 3
T 4	12 26 35	8°17'08	13°31	15°20	24°56	22°17	10°50	29°28	14° 3	18°41	9° 8	16°22	15°23	27°46	n.a.	T 4
F 5	12 30 32	9°15'03	25°28	15°43	26° 9	22°48	11° 1	29°32	14° 6	18°43	9° 8	16°24	15°20	27°53	n.a.	F 5
S 6	12 34 28	10°12'57	7♓19	16°11	27°23	23°19	11°11	29°36	14° 9	18°45	9° 9	16°25	15°17	27°59	n.a.	S 6
S 7	12 38 25	11°10'49	19° 6	16°43	28°37	23°51	11°22	29°40	14°13	18°47	9°10	16°R25	15°13	28° 6	n.a.	S 7
M 8	12 42 21	12° 8'40	0♈53	17°20	29°50	24°22	11°32	29°44	14°16	18°50	9°11	16°24	15°10	28°12	n.a.	M 8
T 9	12 46 18	13° 6'29	12°41	18° 0	1♈ 4	24°54	11°42	29°48	14°19	18°52	9°12	16°22	15° 7	28°19	n.a.	T 9
W10	12 50 14	14° 4'16	24°35	18°43	2°17	25°25	11°53	29°51	14°22	18°54	9°13	16°18	15° 4	28°26	n.a.	W10
T 11	12 54 11	15° 2'02	6♉34	19°31	3°31	25°57	12° 3	29°55	14°25	18°56	9°14	16°14	15° 1	28°32	n.a.	T 11
F 12	12 58 8	15°59'47	18°42	20°21	4°44	26°29	12°13	29°58	14°28	18°59	9°14	16° 9	14°57	28°39	n.a.	F 12
S 13	13 2 4	16°57'30	0♊59	21°15	5°58	27° 1	12°22	0♒ 1	14°31	19° 1	9°15	16° 4	14°54	28°46	n.a.	S 13
S 14	13 6 1	17°55'11	13°29	22°13	7°12	27°33	12°32	0° 5	14°34	19° 3	9°16	15°59	14°51	28°52	n.a.	S 14
M15	13 9 57	18°52'51	26°13	23°13	8°25	28° 6	12°42	0° 8	14°37	19° 5	9°17	15°56	14°48	28°59	n.a.	M15
T 16	13 13 54	19°50'29	9♋14	24°17	9°39	28°38	12°51	0°11	14°40	19° 8	9°17	15°54	14°45	29° 6	n.a.	T 16
W17	13 17 50	20°48'05	22°35	25°23	10°52	29°10	13° 1	0°14	14°43	19°10	9°18	15°D54	14°42	29°12	n.a.	W17
T 18	13 21 47	21°45'40	6♌16	26°32	12° 6	29°43	13°10	0°17	14°46	19°12	9°19	15°54	14°38	29°19	n.a.	T 18
F 19	13 25 43	22°43'13	20°20	27°44	13°19	0♋15	13°19	0°20	14°49	19°14	9°19	15°56	14°35	29°26	n.a.	F 19
S 20	13 29 40	23°40'44	4♍46	28°59	14°33	0°48	13°28	0°22	14°51	19°17	9°20	15°57	14°32	29°32	n.a.	S 20
S 21	13 33 37	24°38'14	19°32	0♈16	15°46	1°21	13°37	0°25	14°54	19°19	9°21	15°R57	14°29	29°39	n.a.	S 21
M22	13 37 33	25°35'42	4♎31	1°36	17° 0	1°54	13°45	0°28	14°57	19°21	9°21	15°56	14°26	29°46	n.a.	M22
T 23	13 41 30	26°33'09	19°37	2°59	18°13	2°27	13°54	0°30	15° 0	19°23	9°22	15°53	14°23	29°52	n.a.	T 23
W24	13 45 26	27°30'35	4♏41	4°24	19°27	3° 0	14° 3	0°32	15° 3	19°26	9°22	15°48	14°19	29°59	n.a.	W24
T 25	13 49 23	28°28'00	19°33	5°51	20°41	3°33	14°11	0°35	15° 5	19°28	9°23	15°42	14°16	0♈ 6	n.a.	T 25
F 26	13 53 19	29°25'23	4♐ 6	7°21	21°54	4° 6	14°19	0°37	15° 8	19°30	9°23	15°36	14°13	0°12	n.a.	F 26
S 27	13 57 16	0♉22'46	18°12	8°54	23° 8	4°40	14°27	0°39	15°11	19°32	9°24	15°29	14°10	0°19	n.a.	S 27
S 28	14 1 12	1°20'08	1♑51	10°29	24°21	5°13	14°35	0°41	15°13	19°35	9°24	15°24	14° 7	0°25	n.a.	S 28
M29	14 5 9	2°17'30	15° 1	12° 7	25°35	5°46	14°43	0°43	15°16	19°37	9°25	15°21	14° 3	0°32	n.a.	M29
T 30	14 9 6	3♉14'50	27♑46	13♈46	26♈48	6♋20	14♒51	0♒45	15♓18	19♈39	9♒25	15°D20	14♍ 0	0♈39	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n10	18s38	4n58	7s21	1s19	4s51	1s28	25n21	1n56	18s46	0s55	21s27	0s54	7s 5	0s44	5n35	1s55	30s55	13s13	5n28	5n46	2s 0		n.a.
T 2	2 33	17 59	4 27	7 29	1 31	4 21	1 27	25 23	1 56	18 44	0 55	21 26	0 55	7 4	0 44	5 36	1 55	30 55	13 14	5 28	5 47	1 59		n.a.
W 3	2 56	16 28	3 44	7 34	1 43	3 51	1 27	25 24	1 55	18 41	0 56	21 26	0 55	7 3	0 44	5 37	1 55	30 55	13 14	5 27	5 49	1 57		n.a.
T 4	3 20	14 14	2 52	7 36	1 54	3 21	1 26	25 25	1 55	18 38	0 56	21 25	0 55	7 1	0 44	5 38	1 55	30 55	13 14	5 27	5 50	1 55		n.a.
F 5	3 43	11 25	1 53	7 36	2 4	2 51	1 26	25 27	1 54	18 35	0 56	21 24	0 55	7 0	0 44	5 39	1 55	30 55	13 15	5 26	5 51	1 53		n.a.
S 6	4 6	8 10	0 50	7 33	2 13	2 21	1 25	25 28	1 53	18 32	0 56	21 24	0 55	6 59	0 44	5 40	1 55	30 55	13 15	5 26	5 52	1 51		n.a.
S 7	4 29	4 36	0s15	7 28	2 21	1 51	1 24	25 29	1 53	18 30	0 56	21 23	0 55	6 58	0 44	5 41	1 55	30 55	13 15	5 26	5 54	1 49		n.a.
M 8	4 52	0 51	1 19	7 21	2 29	1 20	1 23	25 29	1 52	18 27	0 57	21 22	0 56	6 57	0 44	5 42	1 55	30 55	13 16	5 26	5 55	1 47		n.a.
T 9	5 14	2n56	2 20	7 11	2 35	0 50	1 22	25 30	1 52	18 24	0 57	21 22	0 56	6 55	0 44	5 42	1 55	30 55	13 16	5 27	5 56	1 45		n.a.
W10	5 37	6 38	3 15	6 59	2 41	0 19	1 21	25 31	1 51	18 22	0 57	21 21	0 56	6 54	0 44	5 43	1 55	30 55	13 16	5 28	5 57	1 43		n.a.
T 11	6 0	10 5	4 1	6 45	2 46	0n11	1 20	25 31	1 50	18 19	0 57	21 20	0 56	6 53	0 44	5 44	1 55	30 55	13 17	5 30	5 59	1 42		n.a.
F 12	6 22	13 9	4 38	6 29	2 51	0 42	1 19	25 32	1 50	18 16	0 58	21 20	0 56	6 52	0 44	5 45	1 55	30 55	13 17	5 32	6 0	1 40		n.a.
S 13	6 45	15 42	5 2	6 10	2 54	1 12	1 18	25 32	1 49	18 14	0 58	21 19	0 56	6 51	0 44	5 46	1 55	30 55	13 17	5 34	6 1	1 38		n.a.
S 14	7 7	17 32	5 12	5 50	2 57	1 43	1 17	25 32	1 49	18 11	0 58	21 19	0 57	6 50	0 44	5 47	1 55	30 55	13 18	5 36	6 2	1 36		n.a.
M15	7 29	18 34	5 8	5 28	3 0	2 13	1 16	25 32	1 48	18 9	0 58	21 18	0 57	6 48	0 44	5 48	1 55	30 55	13 18	5 37	6 4	1 34		n.a.
T 16	7 51	18 39	4 47	5 4	3 1	2 44	1 15	25 32	1 48	18 6	0 59	21 18	0 57	6 47	0 44	5 48	1 55	30 55	13 18	5 38	6 5	1 32		n.a.
W17	8 13	17 42	4 11	4 38	3 2	3 14	1 13	25 31	1 47	18 4	0 59	21 17	0 57	6 46	0 44	5 49	1 55	30 56	13 19	5 38	6 6	1 30		n.a.
T 18	8 35	15 43	3 20	4 10	3 2	3 44	1 12	25 31	1 46	18 1	0 59	21 17	0 57	6 45	0 44	5 50	1 55	30 56	13 19	5 38	6 7	1 28		n.a.
F 19	8 57	12 45	2 15	3 40	3 1	4 15	1 10	25 30	1 46	17 59	0 59	21 16	0 57	6 44	0 44	5 51	1 55	30 56	13 19	5 37	6 9	1 26		n.a.
S 20	9 18	8 57	1 1	3 9	3 0	4 45	1 9	25 30	1 45	17 57	1 0	21 16	0 58	6 43	0 44	5 52	1 55	30 56	13 20	5 37	6 10	1 25		n.a.
S 21	9 40	4 30	0n19	2 36	2 58	5 15	1 7	25 29	1 45	17 54	1 0	21 16	0 58	6 42	0 44	5 53	1 55	30 56	13 20	5 37	6 11	1 23		n.a.
M22	10 1	0s18	1 39	2 2	2 55	5 45	1 6	25 28	1 44	17 52	1 0	21 15	0 58	6 41	0 44	5 54	1 55	30 56	13 20	5 37	6 12	1 21		n.a.
T 23	10 22	5 7	2 53	1 26	2 52	6 15	1 4	25 27	1 44	17 50	1 0	21 15	0 58	6 40	0 44	5 54	1 55	30 56	13 21	5 38	6 14	1 19		n.a.
W24	10 43	9 35	3 54	0 48	2 48	6 45	1 2	25 26	1 43	17 47	1 1	21 14	0 58	6 39	0 44	5 55	1 55	30 57	13 21	5 40	6 15	1 17		n.a.
T 25	11 4	13 23	4 38	0 9	2 44	7 14	1 1	25 24	1 42	17 45	1 1	21 14	0 59	6 38	0 44	5 56	1 55	30 57	13 21	5 42	6 16	1 15		n.a.
F 26	11 25	16 16	5 3	0n32	2 39	7 44	0 59	25 23	1 42	17 43	1 1	21 14	0 59	6 37	0 44	5 57	1 55	30 57	13 22	5 45	6 17	1 13		n.a.
S 27	11 45	18 5	5 9	1 14	2 33	8 13	0 57	25 21	1 41	17 41	1 1	21 14	0 59	6 35	0 44	5 58	1 55	30 57	13 22	5 47	6 19	1 11		n.a.
S 28	12 5	18 47	4 57	1 57	2 27	8 42	0 55	25 19	1 41	17 39	1 2	21 13	0 59	6 34	0 44	5 59	1 55	30 57	13 22	5 49	6 20	1 9		n.a.
M29	12 25	18 26	4 29	2 42	2 20	9 11	0 53	25 17	1 40	17 37	1 2	21 13	0 59	6 33	0 44	5 59	1 55	30 58	13 23	5 51	6 21	1 7		n.a.
T 30	12n45	17s 8	3n49	3n28	2s13	9n40	0s51	25n15	1n40	17s35	1s 2	21s13	0s59	6s33	0s44	6n 0	1s55	30s58	13s23	5n51	6n22	1s 6		n.a.

Julian Day Number = 1567012.5, Delta T = 04h20m16s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'38, Lahiri = - 9°47'38 Julian Calendar 1 Apr. 423 BCE == Greg. Calendar 27 March 423 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

MAY 423 BCE (-422) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 13 2	4♉12'10	10♒10	15♈29	28♈ 2	6♋54	14♒58	0♒46	15♓21	19♈41	9♒25	15♍20	13♍57	0♈45	n.a.	W 1
T 2	14 16 59	5° 9'29	22°16	17°14	29°15	7°27	15° 6	0°48	15°23	19°43	9°26	15°21	13°54	0°52	n.a.	T 2
F 3	14 20 55	6° 6'47	4♓11	19° 1	0♉29	8° 1	15°13	0°49	15°26	19°45	9°26	15°22	13°51	0°59	n.a.	F 3
S 4	14 24 52	7° 4'05	16° 0	20°50	1°43	8°35	15°20	0°51	15°28	19°48	9°26	15°R22	13°48	1° 5	n.a.	S 4
S 5	14 28 48	8° 1'22	27°46	22°42	2°56	9° 9	15°27	0°52	15°31	19°50	9°27	15°21	13°44	1°12	n.a.	S 5
M 6	14 32 45	8°58'38	9♈34	24°36	4°10	9°43	15°34	0°53	15°33	19°52	9°27	15°18	13°41	1°19	n.a.	M 6
T 7	14 36 41	9°55'54	21°28	26°33	5°23	10°17	15°40	0°54	15°35	19°54	9°27	15°13	13°38	1°25	n.a.	T 7
W 8	14 40 38	10°53'09	3♉29	28°31	6°37	10°51	15°47	0°55	15°38	19°56	9°27	15° 6	13°35	1°32	n.a.	W 8
T 9	14 44 35	11°50'23	15°39	0♉32	7°51	11°26	15°53	0°56	15°40	19°58	9°27	14°56	13°32	1°39	n.a.	T 9
F 10	14 48 31	12°47'37	28° 0	2°34	9° 4	12° 0	15°59	0°57	15°42	20° 1	9°28	14°46	13°28	1°45	n.a.	F 10
S 11	14 52 28	13°44'50	10♊33	4°39	10°18	12°34	16° 5	0°58	15°44	20° 3	9°28	14°36	13°25	1°52	n.a.	S 11
S 12	14 56 24	14°42'02	23°17	6°45	11°31	13° 9	16°11	0°58	15°46	20° 5	9°28	14°26	13°22	1°59	n.a.	S 12
M13	15 0 21	15°39'14	6♋14	8°53	12°45	13°43	16°17	0°59	15°48	20° 7	9°28	14°18	13°19	2° 5	n.a.	M13
T 14	15 4 17	16°36'25	19°23	11° 2	13°59	14°18	16°22	0°59	15°50	20° 9	9°28	14°13	13°16	2°12	n.a.	T 14
W15	15 8 14	17°33'35	2♌47	13°11	15°12	14°53	16°28	1° 0	15°52	20°11	9°28	14°10	13°13	2°19	n.a.	W15
T 16	15 12 10	18°30'44	16°26	15°22	16°26	15°27	16°33	1° 0	15°54	20°13	9°R28	14°D 9	13° 9	2°25	n.a.	T 16
F 17	15 16 7	19°27'52	0♍21	17°33	17°40	16° 2	16°38	1° 0	15°56	20°15	9°28	14° 9	13° 6	2°32	n.a.	F 17
S 18	15 20 4	20°25'00	14°33	19°45	18°53	16°37	16°43	1°R 0	15°58	20°17	9°28	14°R10	13° 3	2°39	n.a.	S 18
S 19	15 24 0	21°22'07	29° 0	21°56	20° 7	17°12	16°47	1° 0	16° 0	20°19	9°28	14° 9	13° 0	2°45	n.a.	S 19
M20	15 27 57	22°19'13	13♎40	24° 7	21°20	17°47	16°52	1° 0	16° 2	20°21	9°28	14° 6	12°57	2°52	n.a.	M20
T 21	15 31 53	23°16'19	28°27	26°18	22°34	18°22	16°56	0°59	16° 4	20°23	9°28	14° 1	12°54	2°58	n.a.	T 21
W22	15 35 50	24°13'24	13♏14	28°27	23°48	18°57	17° 0	0°59	16° 5	20°25	9°28	13°53	12°50	3° 5	n.a.	W22
T 23	15 39 46	25°10'29	27°55	0♊36	25° 1	19°33	17° 4	0°59	16° 7	20°27	9°27	13°43	12°47	3°12	n.a.	T 23
F 24	15 43 43	26° 7'34	12♐20	2°43	26°15	20° 8	17° 8	0°58	16° 9	20°29	9°27	13°33	12°44	3°18	n.a.	F 24
S 25	15 47 39	27° 4'39	26°23	4°50	27°29	20°43	17°12	0°57	16°10	20°31	9°27	13°23	12°41	3°25	n.a.	S 25
S 26	15 51 36	28° 1'43	10♑ 2	6°54	28°42	21°19	17°15	0°57	16°12	20°32	9°27	13°14	12°38	3°32	n.a.	S 26
M27	15 55 33	28°58'48	23°14	8°57	29°56	21°54	17°18	0°56	16°13	20°34	9°27	13° 7	12°34	3°38	n.a.	M27
T 28	15 59 29	29°55'53	6♒ 0	10°58	1♊10	22°30	17°21	0°55	16°15	20°36	9°26	13° 3	12°31	3°45	n.a.	T 28
W29	16 3 26	0♊52'58	18°25	12°57	2°23	23° 5	17°24	0°54	16°16	20°38	9°26	13° 1	12°28	3°52	n.a.	W29
T 30	16 7 22	1°50'04	0♓33	14°55	3°37	23°41	17°27	0°53	16°18	20°40	9°26	13°D 0	12°25	3°58	n.a.	T 30
F 31	16 11 19	2♊47'09	12♓29	16♊50	4♊51	24♋17	17♒30	0♒51	16♓19	20♈42	9♒25	13°R 0	12♍22	4♈ 5	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	13n 5	15s 3	2n59	4n15	2s 5	10n 8	0s50	25n13	1n39	17s33	1s 2	21s13	1s 0	6s32	0s44	6n 1	1s55	30s58	13s23	5n51	6n23	1s 4			n.a.
T 2	13 24	12 21	2 2	5 3	1 57	10 37	0 48	25 10	1 38	17 31	1 3	21 12	1 0	6 31	0 44	6 2	1 55	30 58	13 24	5 51	6 25	1 2			n.a.
F 3	13 44	9 10	1 0	5 52	1 49	11 5	0 46	25 8	1 38	17 29	1 3	21 12	1 0	6 30	0 44	6 3	1 55	30 59	13 24	5 50	6 26	1 0			n.a.
S 4	14 3	5 39	0s 3	6 42	1 40	11 32	0 43	25 5	1 37	17 27	1 3	21 12	1 0	6 29	0 44	6 4	1 55	30 59	13 24	5 50	6 27	0 58			n.a.
S 5	14 22	1 55	1 6	7 33	1 30	12 0	0 41	25 2	1 37	17 25	1 4	21 12	1 0	6 28	0 44	6 4	1 55	30 59	13 25	5 51	6 28	0 56			n.a.
M 6	14 40	1n54	2 7	8 24	1 20	12 27	0 39	24 59	1 36	17 23	1 4	21 12	1 1	6 27	0 44	6 5	1 55	30 59	13 25	5 52	6 30	0 54			n.a.
T 7	14 59	5 40	3 1	9 17	1 10	12 54	0 37	24 56	1 36	17 22	1 4	21 12	1 1	6 26	0 44	6 6	1 55	31 0	13 26	5 54	6 31	0 52			n.a.
W 8	15 17	9 15	3 49	10 9	1 0	13 21	0 35	24 52	1 35	17 20	1 4	21 12	1 1	6 25	0 45	6 7	1 55	31 0	13 26	5 57	6 32	0 50			n.a.
T 9	15 35	12 29	4 26	11 2	0 49	13 47	0 33	24 49	1 35	17 18	1 5	21 12	1 1	6 24	0 45	6 8	1 56	31 0	13 26	6 0	6 33	0 48			n.a.
F 10	15 53	15 14	4 52	11 55	0 39	14 13	0 31	24 45	1 34	17 17	1 5	21 12	1 1	6 23	0 45	6 8	1 56	31 1	13 27	6 4	6 35	0 46			n.a.
S 11	16 10	17 18	5 4	12 48	0 28	14 39	0 28	24 41	1 33	17 15	1 5	21 12	1 1	6 23	0 45	6 9	1 56	31 1	13 27	6 8	6 36	0 45			n.a.
S 12	16 27	18 34	5 1	13 41	0 17	15 4	0 26	24 37	1 33	17 14	1 6	21 12	1 2	6 22	0 45	6 10	1 56	31 1	13 27	6 12	6 37	0 43			n.a.
M13	16 44	18 53	4 43	14 33	0 6	15 29	0 24	24 33	1 32	17 12	1 6	21 12	1 2	6 21	0 45	6 11	1 56	31 1	13 28	6 15	6 38	0 41			n.a.
T 14	17 1	18 12	4 10	15 24	0n 5	15 54	0 22	24 29	1 32	17 11	1 6	21 12	1 2	6 20	0 45	6 11	1 56	31 2	13 28	6 17	6 40	0 39			n.a.
W15	17 17	16 30	3 22	16 14	0 15	16 18	0 19	24 25	1 31	17 10	1 7	21 12	1 2	6 20	0 45	6 12	1 56	31 2	13 28	6 18	6 41	0 37			n.a.
T 16	17 33	13 51	2 22	17 4	0 26	16 42	0 17	24 20	1 31	17 8	1 7	21 12	1 2	6 19	0 45	6 13	1 56	31 2	13 29	6 19	6 42	0 35			n.a.
F 17	17 49	10 21	1 13	17 51	0 36	17 5	0 15	24 15	1 30	17 7	1 7	21 12	1 3	6 18	0 45	6 14	1 56	31 3	13 29	6 19	6 43	0 33			n.a.
S 18	18 5	6 11	0n 2	18 37	0 45	17 28	0 12	24 11	1 30	17 6	1 7	21 13	1 3	6 17	0 45	6 14	1 56	31 3	13 29	6 19	6 44	0 31			n.a.
S 19	18 20	1 36	1 18	19 22	0 55	17 50	0 10	24 5	1 29	17 5	1 8	21 13	1 3	6 17	0 45	6 15	1 56	31 4	13 30	6 19	6 46	0 29			n.a.
M20	18 35	3s 9	2 30	20 4	1 3	18 12	0 8	24 0	1 28	17 4	1 8	21 13	1 3	6 16	0 45	6 16	1 56	31 4	13 30	6 20	6 47	0 27			n.a.
T 21	18 50	7 45	3 33	20 44	1 12	18 34	0 5	23 55	1 28	17 3	1 8	21 13	1 3	6 15	0 45	6 17	1 56	31 4	13 31	6 22	6 48	0 25			n.a.
W22	19 4	11 52	4 21	21 21	1 19	18 55	0 3	23 49	1 27	17 2	1 9	21 14	1 4	6 15	0 45	6 17	1 56	31 5	13 31	6 25	6 49	0 24			n.a.
T 23	19 18	15 13	4 51	21 56	1 26	19 15	0 0	23 44	1 27	17 1	1 9	21 14	1 4	6 14	0 45	6 18	1 56	31 5	13 31	6 29	6 51	0 22			n.a.
F 24	19 32	17 34	5 2	22 29	1 33	19 36	0n 2	23 38	1 26	17 0	1 9	21 14	1 4	6 13	0 45	6 19	1 56	31 5	13 32	6 33	6 52	0 20			n.a.
S 25	19 45	18 47	4 55	22 59	1 38	19 55	0 4	23 32	1 26	16 59	1 10	21 14	1 4	6 13	0 45	6 19	1 56	31 6	13 32	6 37	6 53	0 18			n.a.
S 26	19 58	18 52	4 30	23 26	1 43	20 14	0 7	23 26	1 25	16 58	1 10	21 15	1 4	6 12	0 45	6 20	1 56	31 6	13 32	6 40	6 54	0 16			n.a.
M27	20 11	17 54	3 52	23 51	1 48	20 32	0 9	23 20	1 25	16 57	1 10	21 15	1 4	6 12	0 45	6 21	1 56	31 7	13 33	6 43	6 56	0 14			n.a.
T 28	20 24	16 3	3 3	24 12	1 51	20 50	0 11	23 13	1 24	16 57	1 11	21 16	1 5	6 11	0 45	6 21	1 56	31 7	13 33	6 45	6 57	0 12			n.a.
W29	20 36	13 30	2 7	24 32	1 54	21 8	0 14	23 7	1 23	16 56	1 11	21 16	1 5	6 11	0 45	6 22	1 56	31 7	13 33	6 45	6 58	0 10			n.a.
T 30	20 47	10 24	1 6	24 48	1 56	21 24	0 16	23 0	1 23	16 56	1 11	21 16	1 5	6 10	0 45	6 23	1 56	31 8	13 34	6 46	6 59	0 8			n.a.
F 31	20n59	6s55	0n 3	25n 2	1n58	21n41	0n18	22n53	1n22	16s55	1s12	21s17	1s 5	6s10	0s45	6n23	1s56	31s 8	13s34	6n46	7n 0	0s 6			n.a.

Julian Day Number = 1567042.5, Delta T = 04h20m15s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'34, Lahiri = - 9°47'34 Julian Calendar 1 May 423 BCE == Greg. Calendar 26 Apr. 423 BCE

The year -422 astronomical counting style corresponds to year 423 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

JUNE 423 BCE (-422) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 15 15	3♊44'15	24♓18	18♊44	6♊ 5	24♋53	17♒32	0°R50	16♓20	20♈43	9°R25	13°R 0	12♍19	4♈12	n.a.	S 1
S 2	16 19 12	4°41'21	6♈ 6	20°35	7°18	25°29	17°34	0♒48	16°22	20°45	9♒25	12♍58	12°15	4°18	n.a.	S 2
M 3	16 23 8	5°38'28	17°57	22°24	8°32	26° 4	17°36	0°47	16°23	20°47	9°24	12°54	12°12	4°25	n.a.	M 3
T 4	16 27 5	6°35'35	29°56	24°12	9°46	26°40	17°38	0°45	16°24	20°49	9°24	12°47	12° 9	4°32	n.a.	T 4
W 5	16 31 2	7°32'42	12♉ 6	25°57	11° 0	27°17	17°39	0°44	16°25	20°50	9°23	12°38	12° 6	4°38	n.a.	W 5
T 6	16 34 58	8°29'49	24°29	27°41	12°13	27°53	17°41	0°42	16°26	20°52	9°23	12°26	12° 3	4°45	n.a.	T 6
F 7	16 38 55	9°26'57	7♊ 6	29°22	13°27	28°29	17°42	0°40	16°27	20°54	9°22	12°14	12° 0	4°52	n.a.	F 7
S 8	16 42 51	10°24'06	19°56	1♋ 1	14°41	29° 5	17°43	0°38	16°28	20°55	9°22	12° 1	11°56	4°58	n.a.	S 8
S 9	16 46 48	11°21'14	3♋ 1	2°39	15°55	29°41	17°44	0°36	16°29	20°57	9°21	11°49	11°53	5° 5	n.a.	S 9
M10	16 50 44	12°18'23	16°17	4°14	17° 9	0♌18	17°44	0°34	16°30	20°58	9°21	11°39	11°50	5°12	n.a.	M10
T 11	16 54 41	13°15'32	29°44	5°47	18°22	0°54	17°45	0°31	16°31	21° 0	9°20	11°32	11°47	5°18	n.a.	T 11
W12	16 58 38	14°12'41	13♌22	7°19	19°36	1°31	17°45	0°29	16°32	21° 1	9°19	11°28	11°44	5°25	n.a.	W12
T 13	17 2 34	15° 9'51	27° 8	8°48	20°50	2° 7	17°R45	0°27	16°32	21° 3	9°19	11°26	11°40	5°32	n.a.	T 13
F 14	17 6 31	16° 7'00	11♍ 4	10°15	22° 4	2°44	17°45	0°24	16°33	21° 4	9°18	11°25	11°37	5°38	n.a.	F 14
S 15	17 10 27	17° 4'10	25° 9	11°40	23°18	3°21	17°44	0°21	16°34	21° 6	9°18	11°25	11°34	5°45	n.a.	S 15
S 16	17 14 24	18° 1'20	9♎23	13° 2	24°32	3°57	17°44	0°19	16°34	21° 7	9°17	11°24	11°31	5°52	n.a.	S 16
M17	17 18 20	18°58'30	23°43	14°23	25°45	4°34	17°43	0°16	16°35	21° 9	9°16	11°21	11°28	5°58	n.a.	M17
T 18	17 22 17	19°55'41	8♏ 7	15°41	26°59	5°11	17°42	0°13	16°35	21°10	9°15	11°15	11°25	6° 5	n.a.	T 18
W19	17 26 13	20°52'52	22°30	16°57	28°13	5°48	17°41	0°10	16°36	21°11	9°15	11° 7	11°21	6°12	n.a.	W19
T 20	17 30 10	21°50'03	6♐47	18°11	29°27	6°25	17°40	0° 7	16°36	21°13	9°14	10°57	11°18	6°18	n.a.	T 20
F 21	17 34 7	22°47'16	20°53	19°22	0♑41	7° 2	17°38	0° 4	16°36	21°14	9°13	10°45	11°15	6°25	n.a.	F 21
S 22	17 38 3	23°44'29	4♑41	20°31	1°55	7°39	17°36	0° 1	16°37	21°15	9°12	10°34	11°12	6°32	n.a.	S 22
S 23	17 42 0	24°41'43	18° 9	21°37	3° 9	8°16	17°35	29♑58	16°37	21°16	9°12	10°25	11° 9	6°38	n.a.	S 23
M24	17 45 56	25°38'57	1♒15	22°41	4°23	8°53	17°32	29°55	16°37	21°18	9°11	10°17	11° 6	6°45	n.a.	M24
T 25	17 49 53	26°36'13	13°58	23°42	5°37	9°30	17°30	29°51	16°37	21°19	9°10	10°12	11° 2	6°52	n.a.	T 25
W26	17 53 49	27°33'30	26°22	24°40	6°50	10° 8	17°28	29°48	16°38	21°20	9° 9	10° 9	10°59	6°58	n.a.	W26
T 27	17 57 46	28°30'48	8♓30	25°35	8° 4	10°45	17°25	29°44	16°38	21°21	9° 8	10°D 8	10°56	7° 5	n.a.	T 27
F 28	18 1 42	29°28'07	20°27	26°27	9°18	11°22	17°22	29°41	16°R38	21°22	9° 7	10° 9	10°53	7°11	n.a.	F 28
S 29	18 5 39	0♋25'27	2♈17	27°15	10°32	12° 0	17°19	29°37	16°38	21°23	9° 6	10°R 9	10°50	7°18	n.a.	S 29
S 30	18 9 36	1♋22'49	14♈ 7	28♋ 1	11♋46	12♌37	17♒16	29♑33	16♓37	21♈24	9♒ 5	10♍ 8	10♍46	7♈25	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n10	3s12	1s 0	25n14	1n59	21n56	0n21	22n46	1n22	16s55	1s12	21s17	1s 5	6s 9	0s45	6n24	1s56	31s 9	13s34	6n46	7n 2	0s 4		n.a.
S 2	21 21	0n38	1 59	25 23	1 59	22 11	0 23	22 39	1 21	16 54	1 12	21 18	1 6	6 9	0 45	6 25	1 56	31 9	13 35	6 46	7 3	0 2		n.a.
M 3	21 31	4 27	2 54	25 29	1 58	22 25	0 25	22 31	1 21	16 54	1 12	21 18	1 6	6 8	0 45	6 25	1 56	31 10	13 35	6 48	7 4	0 1		n.a.
T 4	21 41	8 8	3 41	25 34	1 57	22 39	0 28	22 24	1 20	16 54	1 13	21 19	1 6	6 8	0 45	6 26	1 56	31 10	13 35	6 51	7 5	0n 1		n.a.
W 5	21 51	11 33	4 19	25 36	1 55	22 52	0 30	22 16	1 19	16 54	1 13	21 19	1 6	6 7	0 45	6 26	1 56	31 10	13 36	6 54	7 7	0 3		n.a.
T 6	22 0	14 30	4 46	25 36	1 53	23 4	0 32	22 8	1 19	16 54	1 13	21 20	1 6	6 7	0 45	6 27	1 56	31 11	13 36	6 59	7 8	0 5		n.a.
F 7	22 9	16 51	4 59	25 35	1 50	23 16	0 34	22 0	1 18	16 54	1 14	21 21	1 6	6 7	0 45	6 28	1 57	31 11	13 36	7 4	7 9	0 7		n.a.
S 8	22 17	18 25	4 58	25 31	1 46	23 27	0 36	21 52	1 18	16 54	1 14	21 21	1 7	6 6	0 46	6 28	1 57	31 12	13 37	7 9	7 10	0 9		n.a.
S 9	22 26	19 2	4 40	25 25	1 42	23 38	0 39	21 44	1 17	16 54	1 14	21 22	1 7	6 6	0 46	6 29	1 57	31 12	13 37	7 13	7 11	0 11		n.a.
M10	22 33	18 38	4 8	25 18	1 38	23 47	0 41	21 35	1 17	16 54	1 15	21 23	1 7	6 6	0 46	6 29	1 57	31 13	13 37	7 17	7 13	0 13		n.a.
T 11	22 41	17 11	3 21	25 9	1 33	23 56	0 43	21 27	1 16	16 54	1 15	21 23	1 7	6 5	0 46	6 30	1 57	31 13	13 38	7 20	7 14	0 15		n.a.
W12	22 48	14 45	2 23	24 59	1 27	24 5	0 45	21 18	1 16	16 54	1 15	21 24	1 7	6 5	0 46	6 30	1 57	31 14	13 38	7 21	7 15	0 17		n.a.
T 13	22 54	11 27	1 15	24 47	1 21	24 12	0 47	21 9	1 15	16 54	1 16	21 25	1 7	6 5	0 46	6 31	1 57	31 14	13 38	7 22	7 16	0 19		n.a.
F 14	23 1	7 29	0 2	24 34	1 14	24 19	0 49	21 0	1 14	16 55	1 16	21 25	1 8	6 4	0 46	6 31	1 57	31 15	13 39	7 22	7 18	0 21		n.a.
S 15	23 6	3 3	1n12	24 20	1 7	24 25	0 51	20 51	1 14	16 55	1 16	21 26	1 8	6 4	0 46	6 32	1 57	31 15	13 39	7 22	7 19	0 23		n.a.
S 16	23 12	1s35	2 22	24 5	0 59	24 30	0 53	20 42	1 13	16 56	1 17	21 27	1 8	6 4	0 46	6 32	1 57	31 16	13 39	7 23	7 20	0 24		n.a.
M17	23 17	6 10	3 24	23 48	0 51	24 35	0 55	20 32	1 13	16 56	1 17	21 28	1 8	6 4	0 46	6 33	1 57	31 16	13 39	7 24	7 21	0 26		n.a.
T 18	23 21	10 24	4 13	23 31	0 43	24 39	0 57	20 23	1 12	16 57	1 17	21 28	1 8	6 4	0 46	6 33	1 57	31 17	13 40	7 26	7 23	0 28		n.a.
W19	23 26	14 2	4 46	23 13	0 34	24 42	0 58	20 13	1 12	16 58	1 18	21 29	1 9	6 4	0 46	6 34	1 57	31 17	13 40	7 29	7 24	0 30		n.a.
T 20	23 29	16 47	5 0	22 54	0 25	24 45	1 0	20 3	1 11	16 58	1 18	21 30	1 9	6 3	0 46	6 34	1 57	31 18	13 40	7 33	7 25	0 32		n.a.
F 21	23 33	18 30	4 57	22 34	0 15	24 46	1 2	19 53	1 11	16 59	1 18	21 31	1 9	6 3	0 46	6 35	1 57	31 18	13 41	7 38	7 26	0 34		n.a.
S 22	23 36	19 4	4 35	22 14	0 5	24 47	1 4	19 43	1 10	17 0	1 19	21 32	1 9	6 3	0 46	6 35	1 57	31 19	13 41	7 42	7 27	0 36		n.a.
S 23	23 38	18 33	3 59	21 54	0s 5	24 48	1 5	19 33	1 9	17 1	1 19	21 32	1 9	6 3	0 46	6 35	1 57	31 19	13 41	7 46	7 29	0 38		n.a.
M24	23 40	17 2	3 11	21 33	0 16	24 47	1 7	19 22	1 9	17 2	1 19	21 33	1 9	6 3	0 46	6 36	1 57	31 20	13 41	7 48	7 30	0 40		n.a.
T 25	23 42	14 42	2 14	21 12	0 27	24 46	1 8	19 12	1 8	17 3	1 20	21 34	1 9	6 3	0 46	6 36	1 57	31 20	13 42	7 50	7 31	0 42		n.a.
W26	23 43	11 45	1 13	20 50	0 38	24 44	1 10	19 1	1 8	17 4	1 20	21 35	1 10	6 3	0 46	6 37	1 58	31 21	13 42	7 51	7 32	0 44		n.a.
T 27	23 44	8 21	0 9	20 29	0 50	24 41	1 11	18 50	1 7	17 5	1 20	21 36	1 10	6 3	0 46	6 37	1 58	31 21	13 42	7 52	7 33	0 46		n.a.
F 28	23 45	4 40	0s55	20 7	1 2	24 37	1 13	18 39	1 7	17 6	1 21	21 37	1 10	6 3	0 46	6 37	1 58	31 22	13 42	7 52	7 35	0 48		n.a.
S 29	23 45	0 50	1 55	19 46	1 14	24 33	1 14	18 28	1 6	17 7	1 21	21 38	1 10	6 3	0 46	6 38	1 58	31 22	13 43	7 52	7 36	0 50		n.a.
S 30	23n44	3n 1	2s51	19n25	1s26	24n28	1n15	18n17	1n 5	17s 9	1s21	21s39	1s10	6s 3	0s46	6n38	1s58	31s23	13s43	7n52	7n37	0n52		n.a.

Julian Day Number = 1567073.5, Delta T = 04h20m14s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'30, Lahiri = - 9°47'29 Julian Calendar 1 June 423 BCE == Greg. Calendar 27 May 423 BCE

The year -422 astronomical counting style corresponds to year 423 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

JULY 423 BCE (-422) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 13 32	2♋20'12	26♈ 0	28♋42	13♋ 0	13♌15	17°R12	29°R30	16°R37	21♈25	9°R 4	10°R 5	10♍43	7♈31	n.a.	M 1
T 2	18 17 29	3°17'36	8♉ 3	29°20	14°14	13°53	17♒ 9	29♉26	16♓37	21°26	9♒ 3	10♍ 0	10°40	7°38	n.a.	T 2
W 3	18 21 25	4°15'01	20°20	29°55	15°28	14°30	17° 5	29°22	16°37	21°27	9° 2	9°53	10°37	7°45	n.a.	W 3
T 4	18 25 22	5°12'28	2♊52	0♌25	16°42	15° 8	17° 1	29°18	16°37	21°28	9° 1	9°44	10°34	7°51	n.a.	T 4
F 5	18 29 18	6° 9'56	15°43	0°50	17°56	15°46	16°57	29°14	16°36	21°29	9° 0	9°33	10°31	7°58	n.a.	F 5
S 6	18 33 15	7° 7'26	28°51	1°11	19°10	16°24	16°53	29°10	16°36	21°30	8°59	9°23	10°27	8° 5	n.a.	S 6
S 7	18 37 11	8° 4'57	12♋17	1°28	20°24	17° 2	16°48	29° 6	16°35	21°31	8°58	9°13	10°24	8°11	n.a.	S 7
M 8	18 41 8	9° 2'29	25°56	1°40	21°38	17°40	16°43	29° 2	16°35	21°31	8°57	9° 5	10°21	8°18	n.a.	M 8
T 9	18 45 5	10° 0'02	9♌48	1°46	22°52	18°18	16°39	28°58	16°34	21°32	8°56	8°59	10°18	8°25	n.a.	T 9
W10	18 49 1	10°57'36	23°47	1°R48	24° 6	18°56	16°34	28°54	16°34	21°33	8°55	8°56	10°15	8°31	n.a.	W10
T 11	18 52 58	11°55'11	7♍52	1°43	25°20	19°34	16°28	28°49	16°33	21°34	8°54	8°D55	10°11	8°38	n.a.	T 11
F 12	18 56 54	12°52'47	22° 0	1°34	26°34	20°12	16°23	28°45	16°33	21°34	8°53	8°56	10° 8	8°45	n.a.	F 12
S 13	19 0 51	13°50'25	6♎ 9	1°19	27°48	20°51	16°18	28°41	16°32	21°35	8°52	8°56	10° 5	8°51	n.a.	S 13
S 14	19 4 47	14°48'03	20°19	0°58	29° 2	21°29	16°12	28°36	16°31	21°35	8°51	8°R56	10° 2	8°58	n.a.	S 14
M15	19 8 44	15°45'43	4♏26	0°32	0♌16	22° 7	16° 6	28°32	16°30	21°36	8°50	8°55	9°59	9° 5	n.a.	M15
T 16	19 12 40	16°43'24	18°31	0° 1	1°30	22°46	16° 0	28°28	16°30	21°36	8°48	8°51	9°56	9°11	n.a.	T 16
W17	19 16 37	17°41'06	2♐30	29♋24	2°44	23°24	15°54	28°23	16°29	21°37	8°47	8°46	9°52	9°18	n.a.	W17
T 18	19 20 34	18°38'49	16°21	28°43	3°58	24° 3	15°48	28°19	16°28	21°37	8°46	8°38	9°49	9°25	n.a.	T 18
F 19	19 24 30	19°36'34	0♑ 0	27°58	5°12	24°42	15°42	28°14	16°27	21°38	8°45	8°30	9°46	9°31	n.a.	F 19
S 20	19 28 27	20°34'20	13°26	27°10	6°26	25°20	15°36	28°10	16°26	21°38	8°44	8°22	9°43	9°38	n.a.	S 20
S 21	19 32 23	21°32'08	26°35	26°19	7°40	25°59	15°29	28° 5	16°25	21°39	8°43	8°15	9°40	9°45	n.a.	S 21
M22	19 36 20	22°29'57	9♒27	25°26	8°54	26°38	15°22	28° 1	16°24	21°39	8°41	8°10	9°37	9°51	n.a.	M22
T 23	19 40 16	23°27'48	22° 1	24°32	10° 8	27°17	15°16	27°56	16°22	21°39	8°40	8° 7	9°33	9°58	n.a.	T 23
W24	19 44 13	24°25'41	4♓20	23°38	11°22	27°56	15° 9	27°52	16°21	21°40	8°39	8°D 5	9°30	10° 5	n.a.	W24
T 25	19 48 9	25°23'35	16°25	22°46	12°36	28°34	15° 2	27°47	16°20	21°40	8°38	8° 5	9°27	10°11	n.a.	T 25
F 26	19 52 6	26°21'31	28°21	21°57	13°50	29°13	14°55	27°43	16°19	21°40	8°37	8° 7	9°24	10°18	n.a.	F 26
S 27	19 56 3	27°19'30	10♈11	21°11	15° 4	29°53	14°47	27°38	16°17	21°40	8°35	8° 8	9°21	10°25	n.a.	S 27
S 28	19 59 59	28°17'30	22° 1	20°30	16°19	0♍32	14°40	27°34	16°16	21°40	8°34	8° 9	9°17	10°31	n.a.	S 28
M29	20 3 56	29°15'32	3♉55	19°54	17°33	1°11	14°33	27°29	16°15	21°40	8°33	8°R10	9°14	10°38	n.a.	M29
T 30	20 7 52	0♌13'37	15°59	19°25	18°47	1°50	14°25	27°24	16°13	21°40	8°32	8° 8	9°11	10°45	n.a.	T 30
W31	20 11 49	1♌11'43	28♉17	19♋ 3	20♌ 1	2♍29	14♒18	27♉20	16♓12	21♈41	8♒30	8♍ 5	9♍ 8	10♈51	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	23n43	6n46	3s39	19n 5	1s38	24n22	1n17	18n 5	1n 5	17s10	1s21	21s40	1s10	6s 3	0s46	6n38	1s58	31s23	13s43	7n53	7n38	0n53			n.a.
T 2	23 42	10 18	4 18	18 45	1 51	24 16	1 18	17 54	1 4	17 11	1 22	21 41	1 11	6 3	0 46	6 39	1 58	31 24	13 43	7 55	7 40	0 55			n.a.
W 3	23 40	13 27	4 46	18 25	2 3	24 8	1 19	17 42	1 4	17 13	1 22	21 42	1 11	6 4	0 46	6 39	1 58	31 24	13 44	7 58	7 41	0 57			n.a.
T 4	23 38	16 4	5 1	18 6	2 16	24 0	1 20	17 30	1 3	17 14	1 22	21 43	1 11	6 4	0 46	6 39	1 58	31 25	13 44	8 1	7 42	0 59			n.a.
F 5	23 36	17 58	5 2	17 49	2 29	23 52	1 21	17 18	1 3	17 16	1 23	21 44	1 11	6 4	0 47	6 39	1 58	31 25	13 44	8 5	7 43	1 1			n.a.
S 6	23 33	18 58	4 47	17 32	2 41	23 42	1 22	17 6	1 2	17 18	1 23	21 45	1 11	6 4	0 47	6 40	1 58	31 26	13 44	8 9	7 44	1 3			n.a.
S 7	23 30	18 56	4 15	17 16	2 54	23 32	1 23	16 54	1 1	17 19	1 23	21 46	1 11	6 4	0 47	6 40	1 58	31 26	13 45	8 13	7 46	1 5			n.a.
M 8	23 26	17 49	3 29	17 1	3 6	23 21	1 24	16 42	1 1	17 21	1 24	21 47	1 11	6 4	0 47	6 40	1 58	31 27	13 45	8 16	7 47	1 7			n.a.
T 9	23 22	15 37	2 29	16 48	3 18	23 10	1 24	16 30	1 0	17 23	1 24	21 48	1 11	6 5	0 47	6 40	1 58	31 27	13 45	8 18	7 48	1 9			n.a.
W10	23 17	12 30	1 20	16 37	3 29	22 58	1 25	16 17	1 0	17 24	1 24	21 49	1 12	6 5	0 47	6 41	1 58	31 28	13 45	8 19	7 49	1 11			n.a.
T 11	23 12	8 38	0 6	16 27	3 41	22 45	1 26	16 4	0 59	17 26	1 24	21 50	1 12	6 5	0 47	6 41	1 58	31 28	13 45	8 20	7 51	1 13			n.a.
F 12	23 7	4 17	1n10	16 19	3 51	22 31	1 26	15 52	0 59	17 28	1 25	21 51	1 12	6 6	0 47	6 41	1 59	31 29	13 46	8 19	7 52	1 15			n.a.
S 13	23 1	0s19	2 21	16 12	4 1	22 17	1 27	15 39	0 58	17 30	1 25	21 52	1 12	6 6	0 47	6 41	1 59	31 29	13 46	8 19	7 53	1 17			n.a.
S 14	22 55	4 54	3 24	16 8	4 10	22 2	1 27	15 26	0 57	17 32	1 25	21 53	1 12	6 6	0 47	6 41	1 59	31 30	13 46	8 19	7 54	1 19			n.a.
M15	22 48	9 11	4 14	16 6	4 17	21 47	1 28	15 12	0 57	17 34	1 25	21 54	1 12	6 7	0 47	6 41	1 59	31 30	13 46	8 20	7 55	1 21			n.a.
T 16	22 41	12 56	4 48	16 6	4 24	21 30	1 28	14 59	0 56	17 36	1 26	21 55	1 12	6 7	0 47	6 42	1 59	31 31	13 46	8 21	7 57	1 22			n.a.
W17	22 33	15 56	5 5	16 9	4 29	21 14	1 28	14 46	0 56	17 38	1 26	21 56	1 12	6 7	0 47	6 42	1 59	31 31	13 46	8 23	7 58	1 24			n.a.
T 18	22 26	17 59	5 4	16 13	4 33	20 56	1 28	14 32	0 55	17 40	1 26	21 57	1 13	6 8	0 47	6 42	1 59	31 31	13 47	8 26	7 59	1 26			n.a.
F 19	22 17	18 59	4 46	16 20	4 35	20 38	1 29	14 19	0 55	17 42	1 26	21 58	1 13	6 8	0 47	6 42	1 59	31 32	13 47	8 29	8 0	1 28			n.a.
S 20	22 9	18 53	4 12	16 29	4 36	20 20	1 29	14 5	0 54	17 45	1 27	21 59	1 13	6 9	0 47	6 42	1 59	31 32	13 47	8 32	8 1	1 30			n.a.
S 21	22 0	17 45	3 25	16 40	4 34	20 1	1 29	13 51	0 53	17 47	1 27	22 0	1 13	6 9	0 47	6 42	1 59	31 33	13 47	8 35	8 3	1 32			n.a.
M22	21 50	15 44	2 29	16 53	4 31	19 41	1 29	13 37	0 53	17 49	1 27	22 1	1 13	6 9	0 47	6 42	1 59	31 33	13 47	8 37	8 4	1 34			n.a.
T 23	21 41	12 59	1 26	17 7	4 26	19 21	1 28	13 23	0 52	17 51	1 27	22 2	1 13	6 10	0 47	6 42	1 59	31 34	13 47	8 38	8 5	1 36			n.a.
W24	21 30	9 44	0 20	17 24	4 19	19 0	1 28	13 9	0 52	17 53	1 28	22 3	1 13	6 10	0 47	6 42	1 59	31 34	13 47	8 39	8 6	1 38			n.a.
T 25	21 20	6 7	0s45	17 41	4 10	18 39	1 28	12 55	0 51	17 56	1 28	22 4	1 13	6 11	0 47	6 42	1 59	31 35	13 47	8 38	8 8	1 40			n.a.
F 26	21 9	2 19	1 48	18 0	3 59	18 17	1 28	12 41	0 50	17 58	1 28	22 5	1 13	6 11	0 47	6 42	1 59	31 35	13 48	8 38	8 9	1 42			n.a.
S 27	20 58	1n33	2 46	18 19	3 47	17 54	1 27	12 26	0 50	18 0	1 28	22 6	1 13	6 12	0 47	6 42	2 0	31 36	13 48	8 37	8 10	1 44			n.a.
S 28	20 46	5 20	3 36	18 39	3 33	17 31	1 27	12 12	0 49	18 3	1 28	22 7	1 14	6 13	0 47	6 42	2 0	31 36	13 48	8 37	8 11	1 46			n.a.
M29	20 34	8 56	4 18	18 59	3 18	17 8	1 26	11 57	0 49	18 5	1 29	22 8	1 14	6 13	0 47	6 42	2 0	31 37	13 48	8 37	8 12	1 48			n.a.
T 30	20 22	12 13	4 49	19 19	3 2	16 44	1 25	11 42	0 48	18 8	1 29	22 9	1 14	6 14	0 47	6 42	2 0	31 37	13 48	8 37	8 14	1 50			n.a.
W31	20n 9	15n 2	5s 7	19n39	2s45	16n20	1n25	11n27	0n47	18s10	1s29	22s10	1s14	6s14	0s47	6n42	2s 0	31s37	13s48	8n39	8n15	1n52			n.a.

Julian Day Number = 1567103.5, Delta T = 04h20m13s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'26, Lahiri = - 9°47'25 Julian Calendar 1 July 423 BCE == Greg. Calendar 26 June 423 BCE

The year -422 astronomical counting style corresponds to year 423 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

AUGUST 423 BCE (-422) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 15 45	2♌ 9'52	10♊53	18°R48	21♌15	3♍ 9	14°R10	27°R15	16°R10	21°R41	8°R29	8°R 1	9♍ 5	10♈58	n.a.	T 1
F 2	20 19 42	3° 8'03	23°51	18°D42	22°29	3°48	14♒ 2	27♉11	16♓ 9	21♈40	8♒28	7♍56	9° 2	11° 5	n.a.	F 2
S 3	20 23 38	4° 6'15	7♋10	18♋44	23°43	4°28	13°55	27° 6	16° 7	21°40	8°27	7°50	8°58	11°11	n.a.	S 3
S 4	20 27 35	5° 4'30	20°52	18°55	24°57	5° 7	13°47	27° 2	16° 5	21°40	8°25	7°45	8°55	11°18	n.a.	S 4
M 5	20 31 32	6° 2'47	4♌52	19°15	26°11	5°47	13°39	26°57	16° 4	21°40	8°24	7°41	8°52	11°25	n.a.	M 5
T 6	20 35 28	7° 1'05	19° 8	19°43	27°25	6°27	13°31	26°53	16° 2	21°40	8°23	7°38	8°49	11°31	n.a.	T 6
W 7	20 39 25	7°59'26	3♍33	20°20	28°39	7° 6	13°23	26°48	16° 0	21°40	8°22	7°D37	8°46	11°38	n.a.	W 7
T 8	20 43 21	8°57'48	18° 4	21° 4	29°53	7°46	13°15	26°44	15°58	21°40	8°20	7°37	8°43	11°45	n.a.	T 8
F 9	20 47 18	9°56'12	2♎34	21°57	1♍ 7	8°26	13° 7	26°40	15°57	21°39	8°19	7°38	8°39	11°51	n.a.	F 9
S 10	20 51 14	10°54'37	16°59	22°57	2°21	9° 6	12°59	26°35	15°55	21°39	8°18	7°40	8°36	11°58	n.a.	S 10
S 11	20 55 11	11°53'04	1♏15	24° 5	3°35	9°46	12°51	26°31	15°53	21°39	8°17	7°41	8°33	12° 5	n.a.	S 11
M12	20 59 7	12°51'33	15°22	25°18	4°49	10°26	12°43	26°27	15°51	21°38	8°15	7°R41	8°30	12°11	n.a.	M12
T 13	21 3 4	13°50'04	29°16	26°38	6° 3	11° 6	12°35	26°22	15°49	21°38	8°14	7°41	8°27	12°18	n.a.	T 13
W14	21 7 1	14°48'37	12♐58	28° 3	7°17	11°46	12°28	26°18	15°47	21°38	8°13	7°39	8°23	12°25	n.a.	W14
T 15	21 10 57	15°47'11	26°26	29°33	8°31	12°26	12°20	26°14	15°45	21°37	8°12	7°36	8°20	12°31	n.a.	T 15
F 16	21 14 54	16°45'47	9♑41	1♌ 7	9°45	13° 6	12°12	26°10	15°43	21°37	8°10	7°33	8°17	12°38	n.a.	F 16
S 17	21 18 50	17°44'25	22°42	2°44	10°59	13°47	12° 4	26° 6	15°41	21°36	8° 9	7°30	8°14	12°45	n.a.	S 17
S 18	21 22 47	18°43'05	5♒29	4°25	12°12	14°27	11°56	26° 2	15°39	21°36	8° 8	7°27	8°11	12°51	n.a.	S 18
M19	21 26 43	19°41'47	18° 3	6° 8	13°26	15° 7	11°48	25°58	15°37	21°35	8° 7	7°26	8° 8	12°58	n.a.	M19
T 20	21 30 40	20°40'31	0♓24	7°54	14°40	15°48	11°40	25°54	15°35	21°34	8° 5	7°25	8° 4	13° 5	n.a.	T 20
W21	21 34 36	21°39'17	12°33	9°40	15°54	16°28	11°32	25°50	15°33	21°34	8° 4	7°D25	8° 1	13°11	n.a.	W21
T 22	21 38 33	22°38'05	24°33	11°29	17° 8	17° 9	11°25	25°46	15°30	21°33	8° 3	7°25	7°58	13°18	n.a.	T 22
F 23	21 42 29	23°36'55	6♈26	13°18	18°22	17°49	11°17	25°42	15°28	21°32	8° 2	7°26	7°55	13°25	n.a.	F 23
S 24	21 46 26	24°35'48	18°16	15° 7	19°36	18°30	11°10	25°39	15°26	21°32	8° 1	7°28	7°52	13°31	n.a.	S 24
S 25	21 50 23	25°34'43	0♉ 5	16°57	20°50	19°11	11° 2	25°35	15°24	21°31	7°59	7°29	7°49	13°38	n.a.	S 25
M26	21 54 19	26°33'41	11°59	18°48	22° 3	19°52	10°55	25°31	15°21	21°30	7°58	7°30	7°45	13°45	n.a.	M26
T 27	21 58 16	27°32'41	24° 1	20°38	23°17	20°33	10°47	25°28	15°19	21°29	7°57	7°R30	7°42	13°51	n.a.	T 27
W28	22 2 12	28°31'43	6♊17	22°27	24°31	21°14	10°40	25°24	15°17	21°28	7°56	7°30	7°39	13°58	n.a.	W28
T 29	22 6 9	29°30'48	18°51	24°17	25°45	21°55	10°33	25°21	15°15	21°27	7°55	7°29	7°36	14° 5	n.a.	T 29
F 30	22 10 5	0♍29'55	1♋47	26° 6	26°59	22°36	10°26	25°18	15°12	21°27	7°54	7°29	7°33	14°12	n.a.	F 30
S 31	22 14 2	1♍29'05	15♋ 8	27♌54	28♍13	23♍17	10♒19	25♉14	15♓10	21♈26	7♒52	7♍28	7♍29	14♈18	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	19n56	17n14	5s11	19n59	2s27	15n55	1n24	11n12	0n47	18s12	1s29	22s11	1s14	6s15	0s47	6n42	2s 0	31s38	13s48	8n40	8n16	1n54			n.a.
F 2	19 42	18 36	5 0	20 17	2 9	15 30	1 23	10 57	0 46	18 15	1 29	22 12	1 14	6 16	0 47	6 42	2 0	31 38	13 48	8 42	8 17	1 56			n.a.
S 3	19 29	19 1	4 32	20 35	1 51	15 5	1 22	10 42	0 46	18 17	1 29	22 13	1 14	6 16	0 47	6 42	2 0	31 39	13 48	8 44	8 18	1 57			n.a.
S 4	19 14	18 21	3 48	20 51	1 33	14 39	1 21	10 27	0 45	18 20	1 29	22 14	1 14	6 17	0 47	6 42	2 0	31 39	13 48	8 46	8 20	1 59			n.a.
M 5	19 0	16 33	2 50	21 6	1 15	14 12	1 20	10 12	0 45	18 22	1 30	22 15	1 14	6 18	0 47	6 42	2 0	31 40	13 48	8 48	8 21	2 1			n.a.
T 6	18 45	13 42	1 40	21 20	0 57	13 46	1 19	9 56	0 44	18 24	1 30	22 16	1 14	6 18	0 47	6 42	2 0	31 40	13 48	8 49	8 22	2 3			n.a.
W 7	18 30	9 59	0 22	21 31	0 40	13 19	1 18	9 41	0 43	18 27	1 30	22 17	1 14	6 19	0 48	6 42	2 0	31 40	13 48	8 49	8 23	2 5			n.a.
T 8	18 15	5 39	0n57	21 41	0 24	12 51	1 17	9 25	0 43	18 29	1 30	22 17	1 14	6 20	0 48	6 41	2 0	31 41	13 48	8 49	8 24	2 7			n.a.
F 9	17 59	1 0	2 13	21 48	0 8	12 23	1 15	9 10	0 42	18 32	1 30	22 18	1 14	6 20	0 48	6 41	2 0	31 41	13 48	8 49	8 26	2 9			n.a.
S 10	17 43	3s41	3 20	21 53	0n 7	11 55	1 14	8 54	0 42	18 34	1 30	22 19	1 14	6 21	0 48	6 41	2 0	31 41	13 49	8 48	8 27	2 11			n.a.
S 11	17 27	8 6	4 14	21 55	0 21	11 27	1 13	8 38	0 41	18 37	1 30	22 20	1 14	6 22	0 48	6 41	2 1	31 42	13 49	8 48	8 28	2 13			n.a.
M12	17 10	12 0	4 51	21 54	0 34	10 58	1 11	8 22	0 40	18 39	1 30	22 21	1 14	6 23	0 48	6 41	2 1	31 42	13 49	8 48	8 29	2 15			n.a.
T 13	16 53	15 11	5 11	21 51	0 46	10 29	1 10	8 6	0 40	18 41	1 30	22 22	1 15	6 24	0 48	6 40	2 1	31 43	13 49	8 48	8 30	2 17			n.a.
W14	16 36	17 28	5 13	21 45	0 57	10 0	1 8	7 50	0 39	18 44	1 31	22 23	1 15	6 24	0 48	6 40	2 1	31 43	13 49	8 49	8 32	2 19			n.a.
T 15	16 18	18 44	4 58	21 35	1 7	9 30	1 6	7 34	0 39	18 46	1 31	22 24	1 15	6 25	0 48	6 40	2 1	31 43	13 49	8 50	8 33	2 21			n.a.
F 16	16 1	18 57	4 27	21 24	1 16	9 0	1 5	7 18	0 38	18 48	1 31	22 24	1 15	6 26	0 48	6 40	2 1	31 44	13 49	8 51	8 34	2 23			n.a.
S 17	15 43	18 9	3 42	21 9	1 23	8 30	1 3	7 2	0 37	18 51	1 31	22 25	1 15	6 27	0 48	6 40	2 1	31 44	13 49	8 52	8 35	2 25			n.a.
S 18	15 24	16 26	2 47	20 51	1 30	8 0	1 1	6 46	0 37	18 53	1 31	22 26	1 15	6 28	0 48	6 39	2 1	31 44	13 48	8 53	8 36	2 27			n.a.
M19	15 6	13 57	1 45	20 31	1 36	7 30	0 59	6 29	0 36	18 55	1 31	22 27	1 15	6 28	0 48	6 39	2 1	31 45	13 48	8 54	8 38	2 29			n.a.
T 20	14 47	10 52	0 39	20 9	1 40	6 59	0 57	6 13	0 35	18 57	1 31	22 28	1 15	6 29	0 48	6 39	2 1	31 45	13 48	8 54	8 39	2 31			n.a.
W21	14 28	7 22	0s28	19 44	1 44	6 28	0 55	5 56	0 35	19 0	1 31	22 28	1 15	6 30	0 48	6 38	2 1	31 45	13 48	8 54	8 40	2 33			n.a.
T 22	14 9	3 37	1 34	19 16	1 47	5 57	0 53	5 40	0 34	19 2	1 31	22 29	1 15	6 31	0 48	6 38	2 1	31 46	13 48	8 54	8 41	2 34			n.a.
F 23	13 49	0n14	2 34	18 47	1 49	5 26	0 51	5 23	0 34	19 4	1 31	22 30	1 15	6 32	0 48	6 38	2 1	31 46	13 48	8 53	8 42	2 36			n.a.
S 24	13 29	4 3	3 28	18 16	1 51	4 55	0 49	5 7	0 33	19 6	1 31	22 31	1 15	6 33	0 48	6 37	2 1	31 46	13 48	8 53	8 44	2 38			n.a.
S 25	13 9	7 43	4 12	17 43	1 51	4 23	0 46	4 50	0 32	19 8	1 31	22 31	1 15	6 34	0 48	6 37	2 1	31 46	13 48	8 52	8 45	2 40			n.a.
M26	12 49	11 5	4 47	17 8	1 51	3 52	0 44	4 33	0 32	19 10	1 31	22 32	1 15	6 35	0 48	6 37	2 1	31 47	13 48	8 52	8 46	2 42			n.a.
T 27	12 29	14 2	5 9	16 32	1 50	3 20	0 42	4 16	0 31	19 12	1 31	22 33	1 15	6 35	0 48	6 36	2 1	31 47	13 48	8 52	8 47	2 44			n.a.
W28	12 8	16 25	5 17	15 55	1 49	2 48	0 39	3 59	0 31	19 14	1 31	22 33	1 15	6 36	0 48	6 36	2 2	31 47	13 48	8 52	8 48	2 46			n.a.
T 29	11 47	18 6	5 11	15 16	1 47	2 17	0 37	3 42	0 30	19 16	1 31	22 34	1 15	6 37	0 48	6 36	2 2	31 47	13 48	8 52	8 50	2 48			n.a.
F 30	11 26	18 54	4 49	14 37	1 45	1 45	0 35	3 25	0 29	19 18	1 31	22 35	1 15	6 38	0 48	6 35	2 2	31 48	13 48	8 52	8 51	2 50			n.a.
S 31	11n 5	18n42	4s12	13n56	1n42	1n13	0n32	3n 8	0n29	19s20	1s31	22s35	1s15	6s39	0s48	6n35	2s 2	31s48	13s48	8n53	8n52	2n52			n.a.

Julian Day Number = 1567134.5, Delta T = 04h20m12s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'21, Lahiri = - 9°47'21 Julian Calendar 1 Aug. 423 BCE == Greg. Calendar 27 July 423 BCE

The year -422 astronomical counting style corresponds to year 423 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

SEPTEMBER 423 BCE (-422) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 17 58	2♍28'17	28♋53	29♌42	29♍26	23♍58	10°R12	25°R11	15°R 8	21°R25	7°R51	7°R27	7♍26	14♈25	n.a.	S 1
M 2	22 21 55	3°27'31	13♌ 4	1♍29	0♎40	24°39	10♒ 5	25♉ 8	15♓ 5	21♈24	7♒50	7♍27	7°23	14°32	n.a.	M 2
T 3	22 25 52	4°26'48	27°36	3°16	1°54	25°20	9°59	25° 5	15° 3	21°23	7°49	7°27	7°20	14°38	n.a.	T 3
W 4	22 29 48	5°26'06	12♍23	5° 1	3° 8	26° 2	9°52	25° 2	15° 0	21°22	7°48	7°D27	7°17	14°45	n.a.	W 4
T 5	22 33 45	6°25'27	27°18	6°46	4°21	26°43	9°46	24°59	14°58	21°20	7°47	7°27	7°14	14°52	n.a.	T 5
F 6	22 37 41	7°24'50	12♎14	8°31	5°35	27°25	9°40	24°57	14°56	21°19	7°46	7°R27	7°10	14°58	n.a.	F 6
S 7	22 41 38	8°24'15	27° 2	10°14	6°49	28° 6	9°34	24°54	14°53	21°18	7°45	7°27	7° 7	15° 5	n.a.	S 7
S 8	22 45 34	9°23'41	11♏36	11°57	8° 2	28°48	9°28	24°51	14°51	21°17	7°44	7°27	7° 4	15°12	n.a.	S 8
M 9	22 49 31	10°23'10	25°53	13°39	9°16	29°29	9°22	24°49	14°48	21°16	7°43	7°26	7° 1	15°18	n.a.	M 9
T 10	22 53 27	11°22'41	9♐48	15°20	10°30	0♎11	9°16	24°46	14°46	21°15	7°42	7°D26	6°58	15°25	n.a.	T 10
W11	22 57 24	12°22'13	23°24	17° 0	11°43	0°53	9°11	24°44	14°43	21°13	7°41	7°26	6°54	15°32	n.a.	W11
T 12	23 1 20	13°21'47	6♑39	18°40	12°57	1°35	9° 5	24°42	14°41	21°12	7°40	7°27	6°51	15°38	n.a.	T 12
F 13	23 5 17	14°21'23	19°36	20°19	14°11	2°16	9° 0	24°40	14°39	21°11	7°39	7°27	6°48	15°45	n.a.	F 13
S 14	23 9 14	15°21'01	2♒17	21°57	15°24	2°58	8°55	24°38	14°36	21°10	7°38	7°28	6°45	15°52	n.a.	S 14
S 15	23 13 10	16°20'41	14°45	23°35	16°38	3°40	8°50	24°36	14°34	21° 8	7°37	7°29	6°42	15°58	n.a.	S 15
M16	23 17 7	17°20'23	27° 2	25°12	17°51	4°22	8°46	24°34	14°31	21° 7	7°36	7°30	6°39	16° 5	n.a.	M16
T 17	23 21 3	18°20'07	9♓ 9	26°48	19° 5	5° 4	8°41	24°32	14°29	21° 6	7°35	7°R30	6°35	16°12	n.a.	T 17
W18	23 25 0	19°19'53	21° 9	28°24	20°18	5°47	8°37	24°30	14°26	21° 4	7°34	7°29	6°32	16°18	n.a.	W18
T 19	23 28 56	20°19'41	3♈ 3	29°59	21°32	6°29	8°33	24°29	14°24	21° 3	7°33	7°28	6°29	16°25	n.a.	T 19
F 20	23 32 53	21°19'31	14°53	1♎33	22°45	7°11	8°29	24°27	14°22	21° 1	7°32	7°27	6°26	16°32	n.a.	F 20
S 21	23 36 49	22°19'23	26°43	3° 7	23°59	7°53	8°25	24°26	14°19	21° 0	7°31	7°24	6°23	16°38	n.a.	S 21
S 22	23 40 46	23°19'17	8♉33	4°40	25°12	8°36	8°22	24°25	14°17	20°59	7°31	7°22	6°20	16°45	n.a.	S 22
M23	23 44 43	24°19'14	20°28	6°13	26°26	9°18	8°18	24°23	14°14	20°57	7°30	7°19	6°16	16°52	n.a.	M23
T 24	23 48 39	25°19'13	2♊30	7°45	27°39	10° 1	8°15	24°22	14°12	20°56	7°29	7°17	6°13	16°58	n.a.	T 24
W25	23 52 36	26°19'14	14°43	9°17	28°52	10°43	8°12	24°21	14°10	20°54	7°28	7°16	6°10	17° 5	n.a.	W25
T 26	23 56 32	27°19'18	27°13	10°48	0♏ 6	11°26	8° 9	24°20	14° 7	20°53	7°28	7°D15	6° 7	17°12	n.a.	T 26
F 27	0 0 29	28°19'23	10♋ 2	12°19	1°19	12° 8	8° 7	24°20	14° 5	20°51	7°27	7°16	6° 4	17°18	n.a.	F 27
S 28	0 4 25	29°19'32	23°15	13°49	2°32	12°51	8° 4	24°19	14° 3	20°50	7°26	7°17	6° 0	17°25	n.a.	S 28
S 29	0 8 22	0♎19'42	6♌54	15°18	3°45	13°34	8° 2	24°18	14° 0	20°48	7°25	7°19	5°57	17°32	n.a.	S 29
M30	0 12 18	1♎19'54	21♌ 0	16♎47	4♏59	14♎17	8♒ 0	24♉18	13♓58	20♈46	7♒25	7♍20	5♍54	17♈38	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n44	17n24	3s18	13n15	1n38	0n41	0n30	2n51	0n28	19s22	1s31	22s36	1s15	6s40	0s48	6n34	2s 2	31s48	13s48	8n53	8n53	2n54		n.a.
M 2	10 22	15 0	2 11	12 33	1 35	0 9	0 27	2 34	0 27	19 24	1 31	22 36	1 15	6 41	0 48	6 34	2 2	31 48	13 47	8 53	8 54	2 56		n.a.
T 3	10 0	11 37	0 54	11 51	1 31	0s24	0 24	2 17	0 27	19 25	1 31	22 37	1 15	6 42	0 48	6 34	2 2	31 49	13 47	8 53	8 56	2 58		n.a.
W 4	9 38	7 25	0n27	11 7	1 26	0 56	0 22	2 0	0 26	19 27	1 31	22 37	1 15	6 43	0 48	6 33	2 2	31 49	13 47	8 53	8 57	3 0		n.a.
T 5	9 16	2 44	1 48	10 24	1 21	1 28	0 19	1 43	0 26	19 29	1 30	22 38	1 15	6 44	0 48	6 33	2 2	31 49	13 47	8 53	8 58	3 2		n.a.
F 6	8 54	2s 7	3 2	9 40	1 17	2 0	0 16	1 25	0 25	19 30	1 30	22 38	1 15	6 45	0 48	6 32	2 2	31 49	13 47	8 53	8 59	3 4		n.a.
S 7	8 31	6 47	4 2	8 55	1 11	2 32	0 14	1 8	0 24	19 32	1 30	22 39	1 15	6 46	0 48	6 32	2 2	31 49	13 47	8 53	9 0	3 6		n.a.
S 8	8 9	10 58	4 46	8 11	1 6	3 4	0 11	0 51	0 24	19 34	1 30	22 39	1 15	6 47	0 48	6 31	2 2	31 49	13 47	8 53	9 2	3 8		n.a.
M 9	7 46	14 26	5 11	7 26	1 0	3 36	0 8	0 33	0 23	19 35	1 30	22 40	1 15	6 48	0 48	6 31	2 2	31 50	13 46	8 53	9 3	3 10		n.a.
T 10	7 23	16 58	5 17	6 41	0 54	4 8	0 5	0 16	0 22	19 36	1 30	22 40	1 15	6 49	0 48	6 30	2 2	31 50	13 46	8 53	9 4	3 12		n.a.
W11	7 0	18 29	5 6	5 56	0 48	4 40	0 2	0s 1	0 22	19 38	1 30	22 41	1 15	6 49	0 48	6 30	2 2	31 50	13 46	8 53	9 5	3 13		n.a.
T 12	6 37	18 57	4 38	5 11	0 42	5 11	0s 1	0 19	0 21	19 39	1 30	22 41	1 15	6 50	0 48	6 29	2 2	31 50	13 46	8 53	9 6	3 15		n.a.
F 13	6 14	18 24	3 56	4 26	0 36	5 43	0 4	0 36	0 21	19 40	1 30	22 41	1 15	6 51	0 48	6 29	2 2	31 50	13 46	8 53	9 8	3 17		n.a.
S 14	5 51	16 55	3 3	3 41	0 30	6 14	0 7	0 54	0 20	19 42	1 30	22 42	1 15	6 52	0 48	6 28	2 2	31 50	13 46	8 53	9 9	3 19		n.a.
S 15	5 27	14 39	2 3	2 56	0 23	6 46	0 9	1 11	0 19	19 43	1 29	22 42	1 15	6 53	0 48	6 28	2 2	31 50	13 46	8 52	9 10	3 21		n.a.
M16	5 4	11 45	0 58	2 11	0 16	7 17	0 12	1 28	0 19	19 44	1 29	22 42	1 15	6 54	0 48	6 27	2 2	31 50	13 45	8 52	9 11	3 23		n.a.
T 17	4 40	8 23	0s 9	1 26	0 10	7 48	0 15	1 46	0 18	19 45	1 29	22 43	1 15	6 55	0 48	6 27	2 2	31 50	13 45	8 52	9 12	3 25		n.a.
W18	4 17	4 42	1 15	0 42	0 3	8 19	0 18	2 3	0 17	19 46	1 29	22 43	1 15	6 56	0 48	6 26	2 3	31 50	13 45	8 52	9 14	3 27		n.a.
T 19	3 53	0 52	2 17	0s 3	0s 4	8 50	0 21	2 21	0 17	19 47	1 29	22 43	1 15	6 57	0 48	6 25	2 3	31 51	13 45	8 52	9 15	3 29		n.a.
F 20	3 29	2n59	3 13	0 47	0 10	9 20	0 24	2 38	0 16	19 48	1 29	22 43	1 15	6 58	0 48	6 25	2 3	31 51	13 45	8 53	9 16	3 31		n.a.
S 21	3 5	6 42	4 0	1 31	0 17	9 51	0 27	2 56	0 15	19 49	1 29	22 44	1 15	6 59	0 48	6 24	2 3	31 51	13 44	8 54	9 17	3 33		n.a.
S 22	2 41	10 10	4 37	2 15	0 24	10 21	0 30	3 13	0 15	19 50	1 28	22 44	1 14	7 0	0 48	6 24	2 3	31 51	13 44	8 55	9 18	3 35		n.a.
M23	2 17	13 14	5 2	2 58	0 31	10 50	0 33	3 31	0 14	19 50	1 28	22 44	1 14	7 1	0 48	6 23	2 3	31 51	13 44	8 56	9 19	3 37		n.a.
T 24	1 53	15 47	5 15	3 41	0 37	11 20	0 36	3 48	0 14	19 51	1 28	22 44	1 14	7 2	0 48	6 23	2 3	31 51	13 44	8 57	9 21	3 39		n.a.
W25	1 29	17 40	5 13	4 24	0 44	11 49	0 39	4 6	0 13	19 52	1 28	22 44	1 14	7 3	0 48	6 22	2 3	31 51	13 44	8 57	9 22	3 41		n.a.
T 26	1 5	18 46	4 57	5 6	0 51	12 19	0 43	4 23	0 12	19 52	1 28	22 44	1 14	7 4	0 48	6 21	2 3	31 51	13 43	8 57	9 23	3 43		n.a.
F 27	0 41	18 57	4 26	5 48	0 57	12 47	0 46	4 41	0 12	19 53	1 28	22 45	1 14	7 4	0 48	6 21	2 3	31 51	13 43	8 57	9 24	3 45		n.a.
S 28	0 16	18 6	3 40	6 30	1 4	13 16	0 49	4 58	0 11	19 53	1 27	22 45	1 14	7 5	0 48	6 20	2 3	31 51	13 43	8 57	9 25	3 47		n.a.
S 29	0s 8	16 12	2 40	7 11	1 10	13 44	0 51	5 16	0 10	19 54	1 27	22 45	1 14	7 6	0 48	6 20	2 3	31 51	13 43	8 56	9 27	3 49		n.a.
M30	0s32	13n17	1s29	7s51	1s17	14s12	0s54	5s33	0n10	19s54	1s27	22s45	1s14	7s 7	0s48	6n19	2s 3	31s51	13s42	8n56	9n28	3n51		n.a.

Julian Day Number = 1567165.5, Delta T = 04h20m11s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'17, Lahiri = - 9°47'17 Julian Calendar 1 Sept. 423 BCE == Greg. Calendar 27 Aug. 423 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

OCTOBER 423 BCE (-422) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 16 15	2♎20'09	5♍33	18♎16	6♏12	15♎ 0	7°R58	24°R18	13°R56	20°R45	7°R24	7°R21	5♍51	17♈45	n.a.	T 1
W 2	0 20 11	3°20'25	20°27	19°44	7°25	15°43	7♒57	24♉17	13♓53	20♈43	7♒24	7♍20	5°48	17°52	n.a.	W 2
T 3	0 24 8	4°20'44	5♎36	21°11	8°38	16°26	7°55	24°17	13°51	20°42	7°23	7°18	5°45	17°59	n.a.	T 3
F 4	0 28 5	5°21'04	20°51	22°38	9°51	17° 9	7°54	24°D17	13°49	20°40	7°22	7°15	5°41	18° 5	n.a.	F 4
S 5	0 32 1	6°21'26	6♏ 0	24° 4	11° 5	17°52	7°53	24°17	13°47	20°38	7°22	7°11	5°38	18°12	n.a.	S 5
S 6	0 35 58	7°21'50	20°55	25°30	12°18	18°35	7°52	24°17	13°45	20°37	7°21	7° 7	5°35	18°19	n.a.	S 6
M 7	0 39 54	8°22'16	5♐28	26°55	13°31	19°18	7°52	24°18	13°42	20°35	7°21	7° 3	5°32	18°25	n.a.	M 7
T 8	0 43 51	9°22'43	19°35	28°19	14°44	20° 2	7°51	24°18	13°40	20°33	7°20	7° 0	5°29	18°32	n.a.	T 8
W 9	0 47 47	10°23'11	3♑15	29°42	15°57	20°45	7°D51	24°19	13°38	20°32	7°20	6°58	5°25	18°39	n.a.	W 9
T 10	0 51 44	11°23'41	16°28	1♏ 4	17°10	21°28	7°51	24°19	13°36	20°30	7°19	6°D58	5°22	18°45	n.a.	T 10
F 11	0 55 40	12°24'12	29°18	2°25	18°23	22°12	7°51	24°20	13°34	20°28	7°19	6°59	5°19	18°52	n.a.	F 11
S 12	0 59 37	13°24'45	11♒49	3°46	19°36	22°55	7°52	24°21	13°32	20°27	7°19	7° 1	5°16	18°59	n.a.	S 12
S 13	1 3 34	14°25'19	24° 5	5° 5	20°48	23°39	7°52	24°22	13°30	20°25	7°18	7° 2	5°13	19° 5	n.a.	S 13
M14	1 7 30	15°25'55	6♓ 9	6°22	22° 1	24°23	7°53	24°23	13°28	20°23	7°18	7°R 3	5°10	19°12	n.a.	M14
T 15	1 11 27	16°26'32	18° 6	7°39	23°14	25° 6	7°54	24°24	13°26	20°22	7°18	7° 2	5° 6	19°19	n.a.	T 15
W16	1 15 23	17°27'10	29°58	8°53	24°27	25°50	7°56	24°25	13°24	20°20	7°17	7° 0	5° 3	19°25	n.a.	W16
T 17	1 19 20	18°27'50	11♈48	10° 6	25°39	26°34	7°57	24°26	13°22	20°18	7°17	6°55	5° 0	19°32	n.a.	T 17
F 18	1 23 16	19°28'31	23°38	11°16	26°52	27°18	7°59	24°28	13°20	20°17	7°17	6°48	4°57	19°39	n.a.	F 18
S 19	1 27 13	20°29'14	5♉30	12°24	28° 5	28° 1	8° 1	24°29	13°19	20°15	7°17	6°40	4°54	19°45	n.a.	S 19
S 20	1 31 9	21°29'58	17°25	13°29	29°17	28°45	8° 3	24°31	13°17	20°13	7°16	6°31	4°51	19°52	n.a.	S 20
M21	1 35 6	22°30'44	29°25	14°31	0♗30	29°29	8° 5	24°32	13°15	20°11	7°16	6°22	4°47	19°59	n.a.	M21
T 22	1 39 2	23°31'32	11♊31	15°30	1°42	0♏13	8° 8	24°34	13°13	20°10	7°16	6°14	4°44	20° 5	n.a.	T 22
W23	1 42 59	24°32'21	23°48	16°24	2°55	0°58	8°10	24°36	13°12	20° 8	7°16	6° 8	4°41	20°12	n.a.	W23
T 24	1 46 56	25°33'12	6♋17	17°14	4° 7	1°42	8°13	24°38	13°10	20° 6	7°16	6° 3	4°38	20°19	n.a.	T 24
F 25	1 50 52	26°34'04	19° 1	17°58	5°19	2°26	8°16	24°40	13° 9	20° 5	7°16	6° 1	4°35	20°26	n.a.	F 25
S 26	1 54 49	27°34'58	2♌ 6	18°37	6°32	3°10	8°20	24°43	13° 7	20° 3	7°16	6°D 1	4°31	20°32	n.a.	S 26
S 27	1 58 45	28°35'54	15°33	19° 8	7°44	3°54	8°23	24°45	13° 5	20° 1	7°D16	6° 2	4°28	20°39	n.a.	S 27
M28	2 2 42	29°36'51	29°26	19°33	8°56	4°39	8°27	24°47	13° 4	20° 0	7°16	6°R 3	4°25	20°46	n.a.	M28
T 29	2 6 38	0♏37'49	13♍46	19°49	10° 8	5°23	8°31	24°50	13° 3	19°58	7°16	6° 3	4°22	20°52	n.a.	T 29
W30	2 10 35	1°38'49	28°30	19°R56	11°20	6° 8	8°35	24°53	13° 1	19°56	7°16	6° 1	4°19	20°59	n.a.	W30
T 31	2 14 31	2♏39'50	13♎34	19♏54	12♐32	6♏52	8♒39	24♉55	13♓ 0	19♈55	7♒16	5♍56	4♍16	21♈ 6	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	0s56	9n27	0s10	8s32	1s23	14s39	0s57	5s50	0n 9	19s54	1s27	22s45	1s14	7s 8	0s48	6n18	2s 3	31s51	13s42	8n55	9n29	3n53		n.a.
W 2	1 21	4 55	1n12	9 11	1 29	15 7	1 0	6 8	0 8	19 55	1 27	22 45	1 14	7 9	0 48	6 18	2 3	31 50	13 42	8 56	9 30	3 55		n.a.
T 3	1 45	0 1	2 29	9 50	1 35	15 33	1 3	6 25	0 8	19 55	1 27	22 45	1 14	7 10	0 48	6 17	2 3	31 50	13 42	8 56	9 31	3 56		n.a.
F 4	2 9	4s54	3 37	10 28	1 41	16 0	1 6	6 42	0 7	19 55	1 26	22 45	1 14	7 11	0 48	6 16	2 3	31 50	13 41	8 57	9 32	3 58		n.a.
S 5	2 33	9 29	4 28	11 6	1 47	16 26	1 9	7 0	0 6	19 55	1 26	22 45	1 14	7 11	0 48	6 16	2 3	31 50	13 41	8 59	9 34	4 0		n.a.
S 6	2 57	13 23	5 1	11 43	1 52	16 52	1 12	7 17	0 6	19 55	1 26	22 45	1 14	7 12	0 48	6 15	2 3	31 50	13 41	9 1	9 35	4 2		n.a.
M 7	3 22	16 21	5 13	12 19	1 57	17 17	1 15	7 34	0 5	19 55	1 26	22 44	1 14	7 13	0 48	6 15	2 3	31 50	13 41	9 2	9 36	4 4		n.a.
T 8	3 46	18 15	5 6	12 55	2 2	17 42	1 18	7 51	0 5	19 55	1 26	22 44	1 14	7 14	0 48	6 14	2 3	31 50	13 40	9 3	9 37	4 6		n.a.
W 9	4 10	19 1	4 41	13 29	2 7	18 6	1 20	8 8	0 4	19 55	1 25	22 44	1 14	7 15	0 48	6 13	2 3	31 50	13 40	9 4	9 38	4 8		n.a.
T 10	4 34	18 43	4 2	14 3	2 12	18 30	1 23	8 26	0 3	19 54	1 25	22 44	1 14	7 15	0 48	6 13	2 3	31 50	13 40	9 4	9 40	4 10		n.a.
F 11	4 58	17 26	3 12	14 36	2 16	18 53	1 26	8 43	0 3	19 54	1 25	22 44	1 14	7 16	0 48	6 12	2 3	31 50	13 40	9 3	9 41	4 12		n.a.
S 12	5 22	15 20	2 13	15 7	2 20	19 16	1 28	9 0	0 2	19 54	1 25	22 44	1 14	7 17	0 48	6 11	2 3	31 49	13 39	9 3	9 42	4 14		n.a.
S 13	5 45	12 34	1 10	15 38	2 24	19 39	1 31	9 16	0 1	19 54	1 25	22 44	1 14	7 18	0 48	6 11	2 3	31 49	13 39	9 2	9 43	4 16		n.a.
M14	6 9	9 18	0 5	16 7	2 27	20 1	1 34	9 33	0 1	19 53	1 24	22 43	1 14	7 19	0 47	6 10	2 3	31 49	13 39	9 2	9 44	4 18		n.a.
T 15	6 33	5 41	1s 0	16 36	2 30	20 22	1 36	9 50	0s 0	19 53	1 24	22 43	1 13	7 19	0 47	6 9	2 3	31 49	13 38	9 2	9 45	4 20		n.a.
W16	6 56	1 52	2 1	17 2	2 32	20 43	1 39	10 7	0 1	19 52	1 24	22 43	1 13	7 20	0 47	6 9	2 3	31 49	13 38	9 3	9 47	4 22		n.a.
T 17	7 20	2n 1	2 57	17 28	2 34	21 3	1 41	10 24	0 1	19 52	1 24	22 42	1 13	7 21	0 47	6 8	2 3	31 48	13 38	9 5	9 48	4 24		n.a.
F 18	7 43	5 48	3 45	17 52	2 35	21 23	1 43	10 40	0 2	19 51	1 24	22 42	1 13	7 21	0 47	6 7	2 3	31 48	13 38	9 8	9 49	4 26		n.a.
S 19	8 6	9 23	4 24	18 14	2 36	21 42	1 46	10 57	0 3	19 50	1 23	22 42	1 13	7 22	0 47	6 7	2 3	31 48	13 37	9 11	9 50	4 28		n.a.
S 20	8 29	12 36	4 51	18 34	2 36	22 1	1 48	11 13	0 3	19 49	1 23	22 41	1 13	7 23	0 47	6 6	2 3	31 48	13 37	9 14	9 51	4 30		n.a.
M21	8 52	15 19	5 5	18 52	2 36	22 19	1 50	11 30	0 4	19 49	1 23	22 41	1 13	7 23	0 47	6 6	2 3	31 48	13 37	9 17	9 53	4 32		n.a.
T 22	9 15	17 24	5 6	19 9	2 34	22 36	1 52	11 46	0 5	19 48	1 23	22 41	1 13	7 24	0 47	6 5	2 3	31 47	13 36	9 20	9 54	4 34		n.a.
W23	9 38	18 43	4 53	19 23	2 32	22 53	1 54	12 2	0 5	19 47	1 22	22 40	1 13	7 25	0 47	6 4	2 3	31 47	13 36	9 23	9 55	4 36		n.a.
T 24	10 0	19 10	4 26	19 34	2 29	23 9	1 56	12 18	0 6	19 46	1 22	22 40	1 13	7 25	0 47	6 4	2 3	31 47	13 36	9 24	9 56	4 38		n.a.
F 25	10 23	18 39	3 46	19 43	2 25	23 24	1 58	12 34	0 6	19 45	1 22	22 39	1 13	7 26	0 47	6 3	2 3	31 47	13 36	9 25	9 57	4 40		n.a.
S 26	10 45	17 9	2 52	19 49	2 20	23 39	2 0	12 50	0 7	19 44	1 22	22 39	1 13	7 26	0 47	6 2	2 3	31 46	13 35	9 25	9 58	4 41		n.a.
S 27	11 7	14 40	1 48	19 52	2 13	23 53	2 2	13 6	0 8	19 43	1 22	22 39	1 13	7 27	0 47	6 2	2 3	31 46	13 35	9 25	10 0	4 43		n.a.
M28	11 29	11 16	0 35	19 51	2 5	24 7	2 4	13 22	0 8	19 42	1 21	22 38	1 13	7 27	0 47	6 1	2 3	31 46	13 35	9 24	10 1	4 45		n.a.
T 29	11 50	7 6	0n41	19 47	1 56	24 19	2 6	13 38	0 9	19 40	1 21	22 38	1 13	7 28	0 47	6 0	2 3	31 46	13 34	9 25	10 2	4 47		n.a.
W30	12 12	2 24	1 57	19 38	1 45	24 32	2 7	13 53	0 10	19 39	1 21	22 37	1 13	7 29	0 47	6 0	2 3	31 45	13 34	9 25	10 3	4 49		n.a.
T 31	12s33	2s33	3n 7	19s26	1s33	24s43	2s 9	14s 9	0s10	19s38	1s21	22s36	1s13	7s29	0s47	5n59	2s 3	31s45	13s34	9n27	10n 4	4n51		n.a.

Julian Day Number = 1567195.5, Delta T = 04h20m09s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'13, Lahiri = - 9°47'13 Julian Calendar 1 Oct. 423 BCE == Greg. Calendar 26 Sept. 423 BCE

The year -422 astronomical counting style corresponds to year 423 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

NOVEMBER 423 BCE (-422) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 18 28	3♏40'53	28♎50	19°R40	13♐44	7♏37	8♒43	24♑58	12°R59	19°R53	7♒16	5°R49	4♍12	21♈12	n.a.	F 1
S 2	2 22 25	4°41'56	14♏ 7	19♏16	14°56	8°21	8°48	25° 1	12♓57	19♈51	7°16	5♍40	4° 9	21°19	n.a.	S 2
S 3	2 26 21	5°43'01	29°13	18°41	16° 8	9° 6	8°53	25° 4	12°56	19°50	7°16	5°31	4° 6	21°26	n.a.	S 3
M 4	2 30 18	6°44'06	14♐ 0	17°54	17°20	9°51	8°58	25° 7	12°55	19°48	7°17	5°21	4° 3	21°32	n.a.	M 4
T 5	2 34 14	7°45'12	28°20	16°57	18°32	10°36	9° 3	25°11	12°54	19°47	7°17	5°13	4° 0	21°39	n.a.	T 5
W 6	2 38 11	8°46'19	12♑10	15°51	19°43	11°21	9° 8	25°14	12°53	19°45	7°17	5° 8	3°57	21°46	n.a.	W 6
T 7	2 42 7	9°47'27	25°30	14°37	20°55	12° 5	9°14	25°17	12°52	19°43	7°17	5° 5	3°53	21°52	n.a.	T 7
F 8	2 46 4	10°48'35	8♒23	13°17	22° 7	12°50	9°19	25°21	12°51	19°42	7°18	5°D 4	3°50	21°59	n.a.	F 8
S 9	2 50 1	11°49'43	20°52	11°55	23°18	13°35	9°25	25°24	12°50	19°40	7°18	5° 4	3°47	22° 6	n.a.	S 9
S 10	2 53 57	12°50'52	3♓ 4	10°32	24°29	14°20	9°31	25°28	12°49	19°39	7°18	5°R 4	3°44	22°13	n.a.	S 10
M11	2 57 54	13°52'01	15° 4	9°12	25°41	15° 5	9°38	25°32	12°48	19°37	7°19	5° 4	3°41	22°19	n.a.	M11
T 12	3 1 50	14°53'11	26°56	7°57	26°52	15°50	9°44	25°36	12°47	19°36	7°19	5° 2	3°37	22°26	n.a.	T 12
W13	3 5 47	15°54'21	8♈44	6°50	28° 3	16°36	9°51	25°40	12°47	19°34	7°19	4°56	3°34	22°33	n.a.	W13
T 14	3 9 43	16°55'32	20°33	5°52	29°14	17°21	9°57	25°44	12°46	19°33	7°20	4°48	3°31	22°39	n.a.	T 14
F 15	3 13 40	17°56'43	2♉25	5° 4	0♑25	18° 6	10° 4	25°48	12°45	19°31	7°20	4°38	3°28	22°46	n.a.	F 15
S 16	3 17 36	18°57'55	14°21	4°27	1°35	18°51	10°11	25°52	12°45	19°30	7°21	4°25	3°25	22°53	n.a.	S 16
S 17	3 21 33	19°59'07	26°24	4° 1	2°46	19°37	10°18	25°56	12°44	19°28	7°21	4°10	3°22	22°59	n.a.	S 17
M18	3 25 30	21° 0'20	8♊35	3°46	3°57	20°22	10°26	26° 1	12°44	19°27	7°22	3°56	3°18	23° 6	n.a.	M18
T 19	3 29 26	22° 1'33	20°53	3°D41	5° 7	21° 7	10°33	26° 5	12°43	19°26	7°22	3°43	3°15	23°13	n.a.	T 19
W20	3 33 23	23° 2'47	3♋20	3°46	6°18	21°53	10°41	26° 9	12°43	19°24	7°23	3°32	3°12	23°19	n.a.	W20
T 21	3 37 19	24° 4'01	15°57	4° 0	7°28	22°38	10°49	26°14	12°42	19°23	7°24	3°24	3° 9	23°26	n.a.	T 21
F 22	3 41 16	25° 5'16	28°47	4°22	8°38	23°24	10°57	26°19	12°42	19°22	7°24	3°19	3° 6	23°33	n.a.	F 22
S 23	3 45 12	26° 6'31	11♌52	4°52	9°48	24°10	11° 5	26°24	12°42	19°20	7°25	3°17	3° 2	23°40	n.a.	S 23
S 24	3 49 9	27° 7'47	25°13	5°28	10°58	24°55	11°13	26°28	12°42	19°19	7°26	3°16	2°59	23°46	n.a.	S 24
M25	3 53 5	28° 9'03	8♍55	6°11	12° 8	25°41	11°22	26°33	12°42	19°18	7°26	3°16	2°56	23°53	n.a.	M25
T 26	3 57 2	29°10'20	22°58	6°58	13°17	26°27	11°30	26°38	12°41	19°17	7°27	3°15	2°53	24° 0	n.a.	T 26
W27	4 0 59	0♐11'37	7♎24	7°51	14°27	27°12	11°39	26°43	12°D41	19°15	7°28	3°12	2°50	24° 6	n.a.	W27
T 28	4 4 55	1°12'54	22° 8	8°47	15°36	27°58	11°48	26°48	12°41	19°14	7°29	3° 7	2°47	24°13	n.a.	T 28
F 29	4 8 52	2°14'12	7♏ 6	9°47	16°45	28°44	11°57	26°54	12°41	19°13	7°29	2°58	2°43	24°20	n.a.	F 29
S 30	4 12 48	3♐15'29	22♏10	10♏51	17♑54	29♏30	12♒ 6	26♑59	12♓42	19♈12	7♒30	2♍47	2♍40	24♈26	n.a.	S 30

Day	☉		☽			☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl		decl	lat		decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s54		7s24	4n 4		19s 9	1s19	24s54	2s10	14s24	0s11	19s36	1s21	22s36	1s13	7s29	0s47	5n59	2s 3	31s45	13s34	9n30	10n 5	4n53		n.a.
S 2	13 15		11 46	4 43		18 48	1 4	25 4	2 12	14 39	0 12	19 35	1 20	22 35	1 13	7 30	0 47	5 58	2 3	31 44	13 33	9 33	10 7	4 55		n.a.
S 3	13 36		15 19	5 3		18 22	0 47	25 13	2 13	14 54	0 12	19 33	1 20	22 35	1 13	7 30	0 47	5 57	2 3	31 44	13 33	9 37	10 8	4 57		n.a.
M 4	13 56		17 47	5 1		17 51	0 29	25 21	2 14	15 9	0 13	19 32	1 20	22 34	1 12	7 31	0 47	5 57	2 3	31 44	13 33	9 40	10 9	4 59		n.a.
T 5	14 16		19 4	4 40		17 16	0 10	25 29	2 15	15 24	0 14	19 30	1 20	22 33	1 12	7 31	0 47	5 56	2 3	31 43	13 32	9 43	10 10	5 1		n.a.
W 6	14 36		19 8	4 4		16 38	0n10	25 36	2 16	15 39	0 14	19 29	1 20	22 33	1 12	7 32	0 47	5 56	2 3	31 43	13 32	9 45	10 11	5 3		n.a.
T 7	14 56		18 7	3 15		15 56	0 31	25 43	2 17	15 54	0 15	19 27	1 19	22 32	1 12	7 32	0 47	5 55	2 3	31 43	13 32	9 46	10 12	5 5		n.a.
F 8	15 15		16 11	2 17		15 13	0 51	25 48	2 18	16 8	0 16	19 25	1 19	22 31	1 12	7 32	0 47	5 55	2 3	31 42	13 31	9 46	10 14	5 7		n.a.
S 9	15 35		13 32	1 15		14 28	1 11	25 53	2 19	16 22	0 16	19 23	1 19	22 31	1 12	7 33	0 47	5 54	2 3	31 42	13 31	9 46	10 15	5 9		n.a.
S 10	15 54		10 20	0 11		13 45	1 30	25 57	2 19	16 37	0 17	19 22	1 19	22 30	1 12	7 33	0 47	5 53	2 3	31 41	13 31	9 46	10 16	5 11		n.a.
M11	16 12		6 46	0s53		13 3	1 47	26 0	2 20	16 51	0 17	19 20	1 19	22 29	1 12	7 33	0 47	5 53	2 3	31 41	13 31	9 46	10 17	5 13		n.a.
T 12	16 30		2 58	1 54		12 24	2 3	26 3	2 20	17 5	0 18	19 18	1 18	22 28	1 12	7 33	0 47	5 52	2 3	31 41	13 30	9 47	10 18	5 15		n.a.
W13	16 49		0n56	2 49		11 49	2 16	26 5	2 21	17 18	0 19	19 16	1 18	22 28	1 12	7 34	0 47	5 52	2 3	31 40	13 30	9 49	10 19	5 17		n.a.
T 14	17 6		4 47	3 37		11 19	2 28	26 6	2 21	17 32	0 19	19 14	1 18	22 27	1 12	7 34	0 46	5 51	2 3	31 40	13 30	9 52	10 21	5 19		n.a.
F 15	17 24		8 29	4 15		10 55	2 37	26 6	2 21	17 46	0 20	19 12	1 18	22 26	1 12	7 34	0 46	5 51	2 3	31 39	13 29	9 56	10 22	5 21		n.a.
S 16	17 41		11 51	4 43		10 36	2 44	26 5	2 21	17 59	0 21	19 10	1 18	22 25	1 12	7 34	0 46	5 50	2 2	31 39	13 29	10 1	10 23	5 23		n.a.
S 17	17 58		14 46	4 58		10 23	2 48	26 4	2 21	18 12	0 21	19 7	1 17	22 24	1 12	7 35	0 46	5 50	2 2	31 39	13 29	10 6	10 24	5 24		n.a.
M18	18 14		17 5	4 59		10 15	2 51	26 2	2 21	18 25	0 22	19 5	1 17	22 23	1 12	7 35	0 46	5 49	2 2	31 38	13 29	10 11	10 25	5 26		n.a.
T 19	18 30		18 39	4 47		10 12	2 53	25 59	2 21	18 38	0 23	19 3	1 17	22 23	1 12	7 35	0 46	5 49	2 2	31 38	13 28	10 16	10 26	5 28		n.a.
W20	18 46		19 21	4 21		10 14	2 52	25 56	2 20	18 50	0 23	19 1	1 17	22 22	1 12	7 35	0 46	5 48	2 2	31 37	13 28	10 20	10 28	5 30		n.a.
T 21	19 2		19 6	3 42		10 20	2 51	25 52	2 20	19 3	0 24	18 58	1 17	22 21	1 12	7 35	0 46	5 48	2 2	31 37	13 28	10 23	10 29	5 32		n.a.
F 22	19 17		17 52	2 51		10 30	2 48	25 47	2 19	19 15	0 24	18 56	1 17	22 20	1 12	7 35	0 46	5 47	2 2	31 36	13 27	10 25	10 30	5 34		n.a.
S 23	19 32		15 41	1 51		10 44	2 44	25 41	2 19	19 27	0 25	18 53	1 16	22 19	1 12	7 35	0 46	5 47	2 2	31 36	13 27	10 26	10 31	5 36		n.a.
S 24	19 46		12 37	0 42		11 0	2 40	25 34	2 18	19 39	0 26	18 51	1 16	22 18	1 12	7 35	0 46	5 46	2 2	31 36	13 27	10 26	10 32	5 38		n.a.
M25	20 0		8 47	0n30		11 19	2 34	25 27	2 17	19 51	0 26	18 48	1 16	22 17	1 12	7 35	0 46	5 46	2 2	31 35	13 27	10 26	10 33	5 40		n.a.
T 26	20 14		4 23	1 42		11 41	2 29	25 19	2 16	20 2	0 27	18 46	1 16	22 16	1 12	7 35	0 46	5 46	2 2	31 35	13 26	10 26	10 35	5 42		n.a.
W27	20 27		0s23	2 50		12 4	2 22	25 11	2 15	20 14	0 28	18 43	1 16	22 15	1 12	7 35	0 46	5 45	2 2	31 34	13 26	10 27	10 36	5 44		n.a.
T 28	20 40		5 13	3 47		12 28	2 16	25 1	2 13	20 25	0 28	18 41	1 16	22 14	1 12	7 35	0 46	5 45	2 2	31 34	13 26	10 30	10 37	5 46		n.a.
F 29	20 52		9 48	4 31		12 54	2 9	24 52	2 12	20 36	0 29	18 38	1 15	22 13	1 12	7 35	0 46	5 44	2 2	31 33	13 26	10 33	10 38	5 48		n.a.
S 30	21s 4		13s47	4n55		13s21	2n 1	24s41	2s10	20s47	0s29	18s35	1s15	22s12	1s12	7s35	0s46	5n44	2s 2	31s33	13s25	10n37	10n39	5n50		n.a.

Julian Day Number = 1567226.5, Delta T = 04h20m08s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'09, Lahiri = - 9°47'08 Julian Calendar 1 Nov. 423 BCE == Greg. Calendar 27 Oct. 423 BCE

The year -422 astronomical counting style corresponds to year 423 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 423 BCE
geocentric

DECEMBER 423 BCE (-422) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 16 45	4♐16'47	7♐ 9	11♏57	19♑ 3	0♐16	12♒15	27♑ 4	12♓42	19°R11	7♒31	2°R35	2♍37	24♈33	n.a.	S 1
M 2	4 20 41	5°18'05	21°55	13° 6	20°12	1° 2	12°25	27°10	12°42	19♈10	7°32	2♍23	2°34	24°40	n.a.	M 2
T 3	4 24 38	6°19'22	6♑18	14°17	21°21	1°48	12°34	27°15	12°42	19° 9	7°33	2°12	2°31	24°46	n.a.	T 3
W 4	4 28 34	7°20'40	20°13	15°31	22°29	2°34	12°44	27°21	12°43	19° 8	7°34	2° 4	2°28	24°53	n.a.	W 4
T 5	4 32 31	8°21'56	3♒40	16°46	23°37	3°20	12°54	27°26	12°43	19° 7	7°35	1°59	2°24	25° 0	n.a.	T 5
F 6	4 36 28	9°23'12	16°39	18° 2	24°45	4° 6	13° 4	27°32	12°43	19° 6	7°36	1°56	2°21	25° 7	n.a.	F 6
S 7	4 40 24	10°24'28	29°13	19°20	25°53	4°52	13°14	27°38	12°44	19° 5	7°37	1°D56	2°18	25°13	n.a.	S 7
S 8	4 44 21	11°25'43	11♓28	20°40	27° 1	5°38	13°24	27°44	12°45	19° 4	7°38	1°R56	2°15	25°20	n.a.	S 8
M 9	4 48 17	12°26'57	23°29	22° 0	28° 8	6°25	13°34	27°50	12°45	19° 3	7°39	1°55	2°12	25°27	n.a.	M 9
T 10	4 52 14	13°28'10	5♈21	23°22	29°16	7°11	13°45	27°55	12°46	19° 2	7°40	1°53	2° 8	25°33	n.a.	T 10
W11	4 56 10	14°29'23	17°10	24°45	0♒23	7°57	13°55	28° 1	12°46	19° 1	7°41	1°49	2° 5	25°40	n.a.	W11
T 12	5 0 7	15°30'35	29° 0	26° 9	1°29	8°43	14° 6	28° 7	12°47	19° 0	7°42	1°42	2° 2	25°47	n.a.	T 12
F 13	5 4 4	16°31'47	10♉54	27°33	2°36	9°30	14°16	28°14	12°48	19° 0	7°43	1°32	1°59	25°53	n.a.	F 13
S 14	5 8 0	17°32'57	22°57	28°59	3°42	10°16	14°27	28°20	12°49	18°59	7°44	1°19	1°56	26° 0	n.a.	S 14
S 15	5 11 57	18°34'07	5♊ 9	0♐25	4°48	11° 2	14°38	28°26	12°50	18°58	7°45	1° 6	1°53	26° 7	n.a.	S 15
M16	5 15 53	19°35'16	17°32	1°52	5°54	11°49	14°49	28°32	12°51	18°58	7°46	0°52	1°49	26°14	n.a.	M16
T 17	5 19 50	20°36'25	0♋ 6	3°19	7° 0	12°35	15° 0	28°38	12°52	18°57	7°47	0°40	1°46	26°20	n.a.	T 17
W18	5 23 46	21°37'33	12°51	4°48	8° 5	13°22	15°12	28°45	12°53	18°56	7°49	0°29	1°43	26°27	n.a.	W18
T 19	5 27 43	22°38'40	25°47	6°17	9°10	14° 8	15°23	28°51	12°54	18°56	7°50	0°21	1°40	26°34	n.a.	T 19
F 20	5 31 39	23°39'47	8♌53	7°46	10°15	14°55	15°34	28°58	12°55	18°55	7°51	0°17	1°37	26°40	n.a.	F 20
S 21	5 35 36	24°40'52	22°10	9°16	11°19	15°41	15°46	29° 4	12°56	18°55	7°52	0°15	1°34	26°47	n.a.	S 21
S 22	5 39 33	25°41'58	5♍40	10°47	12°23	16°28	15°58	29°11	12°57	18°54	7°53	0°D15	1°30	26°54	n.a.	S 22
M23	5 43 29	26°43'02	19°22	12°19	13°27	17°15	16° 9	29°17	12°59	18°54	7°55	0°15	1°27	27° 0	n.a.	M23
T 24	5 47 26	27°44'06	3♎18	13°51	14°30	18° 1	16°21	29°24	13° 0	18°53	7°56	0°R15	1°24	27° 7	n.a.	T 24
W25	5 51 22	28°45'09	17°29	15°24	15°33	18°48	16°33	29°31	13° 1	18°53	7°57	0°14	1°21	27°14	n.a.	W25
T 26	5 55 19	29°46'12	1♏52	16°57	16°36	19°35	16°45	29°37	13° 3	18°53	7°59	0°10	1°18	27°21	n.a.	T 26
F 27	5 59 15	0♑47'13	16°24	18°31	17°39	20°21	16°57	29°44	13° 4	18°52	8° 0	0° 3	1°14	27°27	n.a.	F 27
S 28	6 3 12	1°48'14	1♐ 1	20° 6	18°41	21° 8	17° 9	29°51	13° 6	18°52	8° 1	29♌55	1°11	27°34	n.a.	S 28
S 29	6 7 8	2°49'14	15°36	21°41	19°42	21°55	17°22	29°58	13° 8	18°52	8° 3	29°45	1° 8	27°41	n.a.	S 29
M30	6 11 5	3°50'13	0♑ 2	23°17	20°44	22°42	17°34	0♒ 5	13° 9	18°52	8° 4	29°36	1° 5	27°47	n.a.	M30
T 31	6 15 2	4♑51'11	14♑11	24♐54	21♒44	23♐29	17♒47	0♒11	13♓11	18♈52	8♒ 5	29♌27	1♍ 2	27♈54	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	21s16	16s52	4n59	13s49	1n54	24s30	2s 9	20s57	0s30	18s32	1s15	22s11	1s11	7s35	0s46	5n44	2s 2	31s32	13s25	10n41	10n40	5n52			n.a.
M 2	21 27	18 47	4 43	14 17	1 46	24 18	2 7	21 7	0 31	18 29	1 15	22 10	1 11	7 35	0 46	5 43	2 2	31 32	13 25	10 46	10 41	5 54			n.a.
T 3	21 38	19 26	4 9	14 46	1 38	24 5	2 5	21 18	0 31	18 27	1 15	22 8	1 11	7 35	0 46	5 43	2 2	31 31	13 25	10 49	10 43	5 56			n.a.
W 4	21 49	18 53	3 21	15 15	1 30	23 52	2 3	21 27	0 32	18 24	1 15	22 7	1 11	7 34	0 46	5 43	2 2	31 31	13 24	10 52	10 44	5 58			n.a.
T 5	21 59	17 15	2 24	15 45	1 22	23 38	2 1	21 37	0 32	18 21	1 14	22 6	1 11	7 34	0 46	5 42	2 2	31 30	13 24	10 54	10 45	6 0			n.a.
F 6	22 8	14 47	1 20	16 14	1 14	23 23	1 58	21 47	0 33	18 18	1 14	22 5	1 11	7 34	0 46	5 42	2 2	31 30	13 24	10 55	10 46	6 2			n.a.
S 7	22 18	11 40	0 14	16 44	1 6	23 8	1 56	21 56	0 34	18 15	1 14	22 4	1 11	7 34	0 46	5 42	2 1	31 29	13 24	10 55	10 47	6 4			n.a.
S 8	22 26	8 8	0s50	17 13	0 58	22 52	1 53	22 5	0 34	18 11	1 14	22 3	1 11	7 34	0 45	5 41	2 1	31 29	13 23	10 55	10 48	6 5			n.a.
M 9	22 35	4 19	1 52	17 42	0 50	22 36	1 51	22 14	0 35	18 8	1 14	22 2	1 11	7 33	0 45	5 41	2 1	31 28	13 23	10 55	10 50	6 7			n.a.
T 10	22 42	0 24	2 47	18 11	0 42	22 19	1 48	22 22	0 35	18 5	1 14	22 0	1 11	7 33	0 45	5 41	2 1	31 28	13 23	10 56	10 51	6 9			n.a.
W11	22 50	3n31	3 35	18 39	0 34	22 2	1 45	22 30	0 36	18 2	1 14	21 59	1 11	7 33	0 45	5 40	2 1	31 27	13 23	10 58	10 52	6 11			n.a.
T 12	22 57	7 18	4 14	19 7	0 26	21 44	1 42	22 38	0 37	17 59	1 13	21 58	1 11	7 32	0 45	5 40	2 1	31 27	13 22	11 0	10 53	6 13			n.a.
F 13	23 3	10 49	4 42	19 34	0 18	21 26	1 39	22 46	0 37	17 55	1 13	21 57	1 11	7 32	0 45	5 40	2 1	31 26	13 22	11 4	10 54	6 15			n.a.
S 14	23 9	13 57	4 58	20 1	0 11	21 7	1 35	22 54	0 38	17 52	1 13	21 55	1 11	7 32	0 45	5 40	2 1	31 26	13 22	11 8	10 55	6 17			n.a.
S 15	23 15	16 31	5 0	20 27	0 3	20 47	1 32	23 1	0 38	17 49	1 13	21 54	1 11	7 31	0 45	5 40	2 1	31 25	13 22	11 13	10 56	6 19			n.a.
M16	23 20	18 22	4 49	20 52	0s 4	20 27	1 28	23 8	0 39	17 45	1 13	21 53	1 11	7 31	0 45	5 39	2 1	31 25	13 22	11 18	10 58	6 21			n.a.
T 17	23 24	19 22	4 23	21 16	0 11	20 7	1 24	23 15	0 39	17 42	1 13	21 51	1 11	7 30	0 45	5 39	2 1	31 24	13 21	11 23	10 59	6 23			n.a.
W18	23 29	19 24	3 44	21 40	0 19	19 46	1 20	23 21	0 40	17 38	1 13	21 50	1 11	7 30	0 45	5 39	2 1	31 24	13 21	11 26	11 0	6 25			n.a.
T 19	23 32	18 26	2 52	22 3	0 26	19 25	1 16	23 28	0 41	17 35	1 13	21 49	1 11	7 30	0 45	5 39	2 1	31 23	13 21	11 29	11 1	6 27			n.a.
F 20	23 35	16 29	1 51	22 25	0 32	19 3	1 12	23 34	0 41	17 31	1 12	21 47	1 11	7 29	0 45	5 39	2 1	31 23	13 21	11 31	11 2	6 29			n.a.
S 21	23 38	13 37	0 43	22 46	0 39	18 41	1 8	23 39	0 42	17 28	1 12	21 46	1 11	7 29	0 45	5 39	2 1	31 22	13 21	11 32	11 3	6 31			n.a.
S 22	23 40	10 0	0n29	23 6	0 45	18 19	1 3	23 45	0 42	17 24	1 12	21 45	1 11	7 28	0 45	5 38	2 1	31 22	13 20	11 32	11 4	6 33			n.a.
M23	23 42	5 48	1 40	23 25	0 52	17 56	0 59	23 50	0 43	17 20	1 12	21 43	1 11	7 27	0 45	5 38	2 0	31 21	13 20	11 31	11 6	6 35			n.a.
T 24	23 43	1 13	2 47	23 43	0 58	17 33	0 54	23 55	0 43	17 17	1 12	21 42	1 11	7 27	0 45	5 38	2 0	31 20	13 20	11 31	11 7	6 37			n.a.
W25	23 44	3s30	3 44	23 59	1 4	17 9	0 49	24 0	0 44	17 13	1 12	21 40	1 11	7 26	0 45	5 38	2 0	31 20	13 20	11 32	11 8	6 39			n.a.
T 26	23 45	8 4	4 29	24 15	1 9	16 46	0 44	24 4	0 44	17 9	1 12	21 39	1 11	7 26	0 45	5 38	2 0	31 19	13 20	11 33	11 9	6 41			n.a.
F 27	23 44	12 14	4 56	24 29	1 15	16 22	0 39	24 8	0 45	17 5	1 12	21 38	1 11	7 25	0 45	5 38	2 0	31 19	13 20	11 36	11 10	6 42			n.a.
S 28	23 44	15 40	5 4	24 42	1 20	15 57	0 34	24 12	0 46	17 1	1 11	21 36	1 11	7 25	0 45	5 38	2 0	31 18	13 19	11 39	11 11	6 44			n.a.
S 29	23 43	18 6	4 53	24 53	1 25	15 32	0 28	24 16	0 46	16 58	1 11	21 35	1 11	7 24	0 45	5 38	2 0	31 18	13 19	11 42	11 12	6 46			n.a.
M30	23 41	19 21	4 23	25 4	1 29	15 8	0 23	24 19	0 47	16 54	1 11	21 33	1 11	7 23	0 45	5 38	2 0	31 17	13 19	11 45	11 14	6 48			n.a.
T 31	23s39	19s22	3n37	25s12	1s34	14s42	0s17	24s22	0s47	16s50	1s11	21s32	1s11	7s23	0s45	5n38	2s 0	31s17	13s19	11n48	11n15	6n50			n.a.

Julian Day Number = 1567256.5, Delta T = 04h20m07s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'05, Lahiri = - 9°47'04 Julian Calendar 1 Dec. 423 BCE == Greg. Calendar 26 Nov. 423 BCE

The year -422 astronomical counting style corresponds to year 423 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

JANUARY 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 18 58	5♑52'07	28♑ 0	26♐32	22♒45	24♐15	17♒59	0♒18	13♓13	18°R52	8♒ 7	29°R21	0♍59	28♈ 1	n.a.	W 1
T 2	6 22 55	6°53'02	11♒24	28°10	23°45	25° 2	18°12	0°25	13°14	18♈51	8° 8	29♌17	0°55	28° 7	n.a.	T 2
F 3	6 26 51	7°53'56	24°24	29°49	24°44	25°49	18°24	0°32	13°16	18°51	8°10	29°D15	0°52	28°14	n.a.	F 3
S 4	6 30 48	8°54'48	7♓ 2	1♑28	25°43	26°36	18°37	0°39	13°18	18°D51	8°11	29°16	0°49	28°21	n.a.	S 4
S 5	6 34 44	9°55'38	19°21	3° 9	26°42	27°23	18°50	0°46	13°20	18°51	8°13	29°17	0°46	28°28	n.a.	S 5
M 6	6 38 41	10°56'27	1♈25	4°50	27°40	28°10	19° 3	0°53	13°22	18°51	8°14	29°18	0°43	28°34	n.a.	M 6
T 7	6 42 38	11°57'14	13°20	6°32	28°37	28°57	19°16	1° 1	13°24	18°51	8°16	29°R18	0°40	28°41	n.a.	T 7
W 8	6 46 34	12°57'59	25°10	8°14	29°34	29°44	19°29	1° 8	13°26	18°52	8°17	29°17	0°36	28°48	n.a.	W 8
T 9	6 50 31	13°58'42	7♉ 2	9°58	0♓31	0♑31	19°42	1°15	13°28	18°52	8°19	29°14	0°33	28°54	n.a.	T 9
F 10	6 54 27	14°59'24	18°59	11°42	1°26	1°18	19°55	1°22	13°30	18°52	8°20	29°10	0°30	29° 1	n.a.	F 10
S 11	6 58 24	16° 0'04	1♊ 5	13°27	2°21	2° 5	20° 8	1°29	13°32	18°52	8°22	29° 3	0°27	29° 8	n.a.	S 11
S 12	7 2 20	17° 0'42	13°25	15°13	3°16	2°52	20°21	1°36	13°34	18°52	8°23	28°55	0°24	29°14	n.a.	S 12
M13	7 6 17	18° 1'19	25°58	17° 0	4°10	3°39	20°34	1°44	13°37	18°53	8°25	28°48	0°20	29°21	n.a.	M13
T 14	7 10 13	19° 1'54	8♋47	18°48	5° 3	4°26	20°48	1°51	13°39	18°53	8°26	28°40	0°17	29°28	n.a.	T 14
W15	7 14 10	20° 2'27	21°51	20°36	5°55	5°13	21° 1	1°58	13°41	18°53	8°28	28°35	0°14	29°35	n.a.	W15
T 16	7 18 7	21° 2'59	5♌10	22°25	6°47	6° 0	21°15	2° 6	13°43	18°54	8°29	28°30	0°11	29°41	n.a.	T 16
F 17	7 22 3	22° 3'28	18°41	24°15	7°38	6°47	21°28	2°13	13°46	18°54	8°31	28°28	0° 8	29°48	n.a.	F 17
S 18	7 26 0	23° 3'57	2♍22	26° 6	8°28	7°34	21°42	2°20	13°48	18°55	8°32	28°D28	0° 5	29°55	n.a.	S 18
S 19	7 29 56	24° 4'23	16°13	27°57	9°17	8°21	21°55	2°27	13°51	18°55	8°34	28°29	0° 1	0♉ 1	n.a.	S 19
M20	7 33 53	25° 4'48	0♎11	29°49	10° 5	9° 8	22° 9	2°35	13°53	18°56	8°36	28°30	29♌58	0° 8	n.a.	M20
T 21	7 37 49	26° 5'12	14°15	1♒42	10°53	9°55	22°23	2°42	13°56	18°56	8°37	28°32	29°55	0°15	n.a.	T 21
W22	7 41 46	27° 5'34	28°23	3°35	11°39	10°42	22°37	2°49	13°58	18°57	8°39	28°R32	29°52	0°22	n.a.	W22
T 23	7 45 42	28° 5'55	12♏35	5°28	12°25	11°29	22°50	2°57	14° 1	18°57	8°40	28°31	29°49	0°28	n.a.	T 23
F 24	7 49 39	29° 6'14	26°47	7°21	13°10	12°16	23° 4	3° 4	14° 3	18°58	8°42	28°29	29°46	0°35	n.a.	F 24
S 25	7 53 35	0♒ 6'31	10♐58	9°15	13°53	13° 3	23°18	3°12	14° 6	18°59	8°44	28°26	29°42	0°42	n.a.	S 25
S 26	7 57 32	1° 6'47	25° 3	11° 7	14°36	13°51	23°32	3°19	14° 9	19° 0	8°45	28°22	29°39	0°48	n.a.	S 26
M27	8 1 29	2° 7'02	9♑ 0	13° 0	15°17	14°38	23°46	3°26	14°12	19° 0	8°47	28°17	29°36	0°55	n.a.	M27
T 28	8 5 25	3° 7'14	22°43	14°51	15°57	15°25	24° 0	3°34	14°14	19° 1	8°48	28°14	29°33	1° 2	n.a.	T 28
W29	8 9 22	4° 7'25	6♒11	16°42	16°36	16°12	24°14	3°41	14°17	19° 2	8°50	28°11	29°30	1° 8	n.a.	W29
T 30	8 13 18	5° 7'33	19°21	18°30	17°14	16°59	24°28	3°49	14°20	19° 3	8°52	28°10	29°26	1°15	n.a.	T 30
F 31	8 17 15	6♒ 7'40	2♓12	20♒17	17♓50	17♑46	24♒42	3♒56	14♓23	19♈ 4	8♒53	28°D10	29♌23	1♉22	n.a.	F 31

Day	☉	☽			☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat		decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s37	18s13	2n40		25s20	1s38	14s17	0s11	24s25	0s48	16s46	1s11	21s30	1s11	7s22	0s45	5n38	2s 0	31s16	13s19	11n51	11n16	6n52		n.a.
T 2	23 34	16 4	1 35		25 26	1 42	13 51	0 5	24 27	0 48	16 42	1 11	21 29	1 11	7 21	0 44	5 38	2 0	31 16	13 19	11 52	11 17	6 54		n.a.
F 3	23 30	13 9	0 26		25 30	1 45	13 26	0n 1	24 29	0 49	16 38	1 11	21 27	1 11	7 20	0 44	5 38	2 0	31 15	13 19	11 53	11 18	6 56		n.a.
S 4	23 26	9 41	0s42		25 33	1 49	13 0	0 7	24 31	0 49	16 34	1 11	21 26	1 12	7 20	0 44	5 38	2 0	31 15	13 18	11 53	11 19	6 58		n.a.
S 5	23 22	5 54	1 46		25 34	1 51	12 34	0 13	24 33	0 50	16 29	1 11	21 24	1 12	7 19	0 44	5 38	2 0	31 14	13 18	11 52	11 20	7 0		n.a.
M 6	23 17	1 57	2 45		25 33	1 54	12 8	0 20	24 34	0 50	16 25	1 11	21 23	1 12	7 18	0 44	5 38	2 0	31 14	13 18	11 52	11 22	7 2		n.a.
T 7	23 12	2n 2	3 35		25 31	1 56	11 41	0 27	24 35	0 51	16 21	1 11	21 21	1 12	7 17	0 44	5 38	1 59	31 13	13 18	11 52	11 23	7 4		n.a.
W 8	23 6	5 54	4 16		25 27	1 58	11 15	0 33	24 36	0 51	16 17	1 11	21 20	1 12	7 16	0 44	5 38	1 59	31 13	13 18	11 52	11 24	7 6		n.a.
T 9	23 0	9 32	4 46		25 21	1 59	10 48	0 40	24 36	0 52	16 13	1 10	21 18	1 12	7 16	0 44	5 39	1 59	31 12	13 18	11 53	11 25	7 8		n.a.
F 10	22 53	12 49	5 4		25 13	2 1	10 22	0 47	24 36	0 52	16 8	1 10	21 16	1 12	7 15	0 44	5 39	1 59	31 11	13 18	11 55	11 26	7 10		n.a.
S 11	22 46	15 36	5 9		25 4	2 1	9 55	0 55	24 36	0 53	16 4	1 10	21 15	1 12	7 14	0 44	5 39	1 59	31 11	13 18	11 57	11 27	7 12		n.a.
S 12	22 39	17 45	4 59		24 52	2 1	9 29	1 2	24 36	0 53	16 0	1 10	21 13	1 12	7 13	0 44	5 39	1 59	31 10	13 18	12 0	11 28	7 14		n.a.
M13	22 31	19 6	4 35		24 39	2 1	9 2	1 9	24 35	0 54	15 55	1 10	21 12	1 12	7 12	0 44	5 39	1 59	31 10	13 18	12 2	11 30	7 15		n.a.
T 14	22 22	19 30	3 57		24 24	2 0	8 35	1 17	24 34	0 54	15 51	1 10	21 10	1 12	7 11	0 44	5 39	1 59	31 9	13 17	12 5	11 31	7 17		n.a.
W15	22 14	18 53	3 6		24 6	1 59	8 9	1 25	24 33	0 54	15 47	1 10	21 8	1 12	7 10	0 44	5 40	1 59	31 9	13 17	12 7	11 32	7 19		n.a.
T 16	22 4	17 13	2 3		23 47	1 57	7 42	1 33	24 31	0 55	15 42	1 10	21 7	1 12	7 9	0 44	5 40	1 59	31 8	13 17	12 9	11 33	7 21		n.a.
F 17	21 55	14 35	0 53		23 25	1 55	7 16	1 41	24 29	0 55	15 38	1 10	21 5	1 12	7 8	0 44	5 40	1 59	31 8	13 17	12 9	11 34	7 23		n.a.
S 18	21 45	11 6	0n21		23 2	1 52	6 49	1 49	24 27	0 56	15 33	1 10	21 3	1 12	7 7	0 44	5 40	1 59	31 7	13 17	12 9	11 35	7 25		n.a.
S 19	21 34	6 58	1 35		22 37	1 49	6 23	1 57	24 25	0 56	15 29	1 10	21 2	1 12	7 6	0 44	5 41	1 59	31 7	13 17	12 9	11 36	7 27		n.a.
M20	21 23	2 26	2 45		22 9	1 45	5 57	2 5	24 22	0 57	15 24	1 10	21 0	1 12	7 5	0 44	5 41	1 59	31 6	13 17	12 9	11 38	7 29		n.a.
T 21	21 12	2s15	3 44		21 40	1 40	5 31	2 14	24 19	0 57	15 19	1 10	20 59	1 12	7 4	0 44	5 41	1 58	31 6	13 17	12 8	11 39	7 31		n.a.
W22	21 0	6 49	4 31		21 8	1 35	5 5	2 22	24 16	0 58	15 15	1 10	20 57	1 12	7 3	0 44	5 41	1 58	31 5	13 17	12 8	11 40	7 33		n.a.
T 23	20 48	11 2	5 1		20 35	1 29	4 40	2 31	24 12	0 58	15 10	1 10	20 55	1 12	7 2	0 44	5 42	1 58	31 5	13 17	12 8	11 41	7 35		n.a.
F 24	20 36	14 37	5 13		20 0	1 23	4 14	2 40	24 8	0 58	15 6	1 10	20 54	1 12	7 1	0 44	5 42	1 58	31 4	13 17	12 9	11 42	7 37		n.a.
S 25	20 23	17 20	5 5		19 23	1 15	3 49	2 49	24 4	0 59	15 1	1 9	20 52	1 12	7 0	0 44	5 42	1 58	31 4	13 17	12 10	11 43	7 39		n.a.
S 26	20 10	18 59	4 40		18 44	1 7	3 24	2 58	24 0	0 59	14 56	1 9	20 50	1 12	6 59	0 44	5 43	1 58	31 4	13 17	12 12	11 44	7 41		n.a.
M27	19 56	19 29	3 58		18 4	0 59	3 0	3 7	23 55	1 0	14 52	1 9	20 48	1 13	6 58	0 44	5 43	1 58	31 3	13 17	12 13	11 45	7 43		n.a.
T 28	19 42	18 48	3 3		17 22	0 49	2 36	3 16	23 50	1 0	14 47	1 9	20 47	1 13	6 57	0 44	5 43	1 58	31 3	13 17	12 14	11 47	7 45		n.a.
W29	19 28	17 4	1 58		16 40	0 40	2 12	3 26	23 45	1 0	14 42	1 9	20 45	1 13	6 56	0 44	5 44	1 58	31 2	13 17	12 15	11 48	7 46		n.a.
T 30	19 14	14 27	0 48		15 56	0 29	1 48	3 35	23 39	1 1	14 37	1 9	20 43	1 13	6 55	0 44	5 44	1 58	31 2	13 17	12 16	11 49	7 48		n.a.
F 31	18s59	11s10	0s22		15s11	0s18	1s25	3n45	23s33	1s 1	14s32	1s 9	20s42	1s13	6s54	0s44	5n45	1s58	31s 1	13s17	12n16	11n50	7n50		n.a.

Julian Day Number = 1567287.5, Delta T = 04h20m06s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°54'01, Lahiri = - 9°47'00 Julian Calendar 1 Jan. 422 BCE == Greg. Calendar 27 Dec. 423 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

FEBRUARY 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 21 11	7♒ 7'44	14♓46	22♒ 1	18♓25	18♉33	24♒56	4♒ 3	14♓26	19♈ 5	8♒55	28♌10	29♌20	1♉29	n.a.	S 1
S 2	8 25 8	8° 7'46	27° 5	23°42	18°59	19°20	25°10	4°11	14°28	19° 6	8°56	28°12	29°17	1°35	n.a.	S 2
M 3	8 29 4	9° 7'46	9♈10	25°20	19°31	20° 8	25°25	4°18	14°31	19° 7	8°58	28°13	29°14	1°42	n.a.	M 3
T 4	8 33 1	10° 7'43	21° 7	26°54	20° 2	20°55	25°39	4°25	14°34	19° 8	9° 0	28°15	29°11	1°49	n.a.	T 4
W 5	8 36 58	11° 7'38	2♉59	28°23	20°31	21°42	25°53	4°33	14°37	19° 9	9° 1	28°16	29° 7	1°55	n.a.	W 5
T 6	8 40 54	12° 7'31	14°51	29°47	20°58	22°29	26° 7	4°40	14°40	19°10	9° 3	28°R16	29° 4	2° 2	n.a.	T 6
F 7	8 44 51	13° 7'22	26°49	1♓ 5	21°24	23°16	26°22	4°48	14°43	19°11	9° 5	28°15	29° 1	2° 9	n.a.	F 7
S 8	8 48 47	14° 7'10	8♊56	2°17	21°48	24° 3	26°36	4°55	14°46	19°12	9° 6	28°14	28°58	2°16	n.a.	S 8
S 9	8 52 44	15° 6'56	21°17	3°23	22°10	24°50	26°50	5° 2	14°49	19°13	9° 8	28°12	28°55	2°22	n.a.	S 9
M10	8 56 40	16° 6'40	3♋56	4°21	22°30	25°37	27° 4	5° 9	14°52	19°14	9° 9	28°11	28°52	2°29	n.a.	M10
T 11	9 0 37	17° 6'22	16°53	5°12	22°49	26°24	27°19	5°17	14°56	19°16	9°11	28° 9	28°48	2°36	n.a.	T 11
W12	9 4 33	18° 6'01	0♌11	5°56	23° 5	27°11	27°33	5°24	14°59	19°17	9°13	28° 8	28°45	2°42	n.a.	W12
T 13	9 8 30	19° 5'38	13°49	6°31	23°19	27°58	27°48	5°31	15° 2	19°18	9°14	28° 7	28°42	2°49	n.a.	T 13
F 14	9 12 27	20° 5'12	27°44	6°58	23°31	28°45	28° 2	5°39	15° 5	19°20	9°16	28°D 7	28°39	2°56	n.a.	F 14
S 15	9 16 23	21° 4'45	11♍54	7°17	23°40	29°32	28°16	5°46	15° 8	19°21	9°17	28° 7	28°36	3° 3	n.a.	S 15
S 16	9 20 20	22° 4'16	26°13	7°28	23°48	0♒19	28°31	5°53	15°11	19°22	9°19	28° 7	28°32	3° 9	n.a.	S 16
M17	9 24 16	23° 3'44	10♎37	7°R30	23°53	1° 6	28°45	6° 0	15°15	19°24	9°21	28° 8	28°29	3°16	n.a.	M17
T 18	9 28 13	24° 3'11	25° 2	7°25	23°56	1°53	29° 0	6° 7	15°18	19°25	9°22	28° 8	28°26	3°23	n.a.	T 18
W19	9 32 9	25° 2'36	9♏23	7°11	23°R56	2°40	29°14	6°15	15°21	19°27	9°24	28° 9	28°23	3°29	n.a.	W19
T 20	9 36 6	26° 1'59	23°37	6°51	23°54	3°27	29°29	6°22	15°24	19°28	9°25	28°R 9	28°20	3°36	n.a.	T 20
F 21	9 40 2	27° 1'20	7♐42	6°24	23°49	4°14	29°43	6°29	15°28	19°29	9°27	28° 9	28°17	3°43	n.a.	F 21
S 22	9 43 59	28° 0'39	21°36	5°50	23°42	5° 1	29°57	6°36	15°31	19°31	9°28	28°D 9	28°13	3°49	n.a.	S 22
S 23	9 47 55	28°59'57	5♑18	5°12	23°33	5°47	0♓12	6°43	15°34	19°33	9°30	28° 9	28°10	3°56	n.a.	S 23
M24	9 51 52	29°59'12	18°47	4°29	23°21	6°34	0°26	6°50	15°38	19°34	9°32	28° 9	28° 7	4° 3	n.a.	M24
T 25	9 55 49	0♓58'26	2♒ 3	3°43	23° 7	7°21	0°41	6°57	15°41	19°36	9°33	28° 9	28° 4	4°10	n.a.	T 25
W26	9 59 45	1°57'37	15° 6	2°54	22°50	8° 8	0°55	7° 4	15°44	19°37	9°35	28° 9	28° 1	4°16	n.a.	W26
T 27	10 3 42	2°56'47	27°55	2° 4	22°30	8°55	1°10	7°11	15°48	19°39	9°36	28°R10	27°57	4°23	n.a.	T 27
F 28	10 7 38	3♓55'54	10♓31	1♓13	22♓ 9	9♒41	1♓24	7♒18	15♓51	19♈41	9♒38	28♌ 9	27♌54	4♉30	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s44	7s27	1s30	14s26	0s 6	1s 3	3n55	23s27	1s 1	14s28	1s 9	20s40	1s13	6s52	0s44	5n45	1s58	31s 1	13s17	12n16	11n51	7n52		n.a.
S 2	18 28	3 31	2 33	13 41	0n 7	0 40	4 4	23 21	1 2	14 23	1 9	20 38	1 13	6 51	0 44	5 45	1 58	31 0	13 17	12 15	11 52	7 54		n.a.
M 3	18 12	0n30	3 27	12 56	0 20	0 19	4 14	23 14	1 2	14 18	1 9	20 37	1 13	6 50	0 44	5 46	1 58	31 0	13 17	12 15	11 53	7 56		n.a.
T 4	17 56	4 27	4 12	12 11	0 33	0n 3	4 24	23 7	1 2	14 13	1 9	20 35	1 13	6 49	0 43	5 46	1 58	30 59	13 17	12 14	11 54	7 58		n.a.
W 5	17 39	8 11	4 46	11 27	0 47	0 23	4 34	23 0	1 3	14 8	1 9	20 33	1 13	6 48	0 43	5 47	1 57	30 59	13 17	12 14	11 56	8 0		n.a.
T 6	17 23	11 36	5 8	10 45	1 1	0 43	4 44	22 53	1 3	14 3	1 9	20 31	1 13	6 47	0 43	5 47	1 57	30 59	13 17	12 14	11 57	8 2		n.a.
F 7	17 5	14 34	5 16	10 4	1 15	1 3	4 54	22 45	1 4	13 58	1 9	20 30	1 13	6 45	0 43	5 48	1 57	30 58	13 17	12 14	11 58	8 4		n.a.
S 8	16 48	16 57	5 11	9 24	1 29	1 21	5 4	22 37	1 4	13 53	1 9	20 28	1 13	6 44	0 43	5 48	1 57	30 58	13 17	12 14	11 59	8 6		n.a.
S 9	16 30	18 37	4 51	8 47	1 43	1 39	5 14	22 29	1 4	13 48	1 9	20 26	1 13	6 43	0 43	5 49	1 57	30 57	13 17	12 15	12 0	8 8		n.a.
M10	16 13	19 24	4 17	8 13	1 57	1 56	5 24	22 21	1 4	13 43	1 9	20 25	1 14	6 42	0 43	5 49	1 57	30 57	13 17	12 15	12 1	8 10		n.a.
T 11	15 54	19 12	3 29	7 41	2 11	2 13	5 34	22 12	1 5	13 38	1 9	20 23	1 14	6 41	0 43	5 50	1 57	30 57	13 17	12 16	12 2	8 12		n.a.
W12	15 36	17 57	2 29	7 13	2 24	2 29	5 44	22 3	1 5	13 33	1 9	20 21	1 14	6 39	0 43	5 50	1 57	30 56	13 18	12 16	12 3	8 13		n.a.
T 13	15 17	15 38	1 18	6 48	2 37	2 43	5 54	21 54	1 5	13 28	1 9	20 19	1 14	6 38	0 43	5 51	1 57	30 56	13 18	12 17	12 4	8 15		n.a.
F 14	14 58	12 23	0 2	6 27	2 49	2 57	6 4	21 44	1 6	13 23	1 9	20 18	1 14	6 37	0 43	5 51	1 57	30 55	13 18	12 17	12 6	8 17		n.a.
S 15	14 39	8 21	1n16	6 10	3 0	3 10	6 14	21 35	1 6	13 18	1 9	20 16	1 14	6 36	0 43	5 52	1 57	30 55	13 18	12 17	12 7	8 19		n.a.
S 16	14 20	3 48	2 30	5 56	3 10	3 22	6 23	21 25	1 6	13 13	1 9	20 14	1 14	6 34	0 43	5 53	1 57	30 55	13 18	12 17	12 8	8 21		n.a.
M17	14 0	0s58	3 35	5 47	3 19	3 32	6 33	21 15	1 6	13 8	1 9	20 12	1 14	6 33	0 43	5 53	1 57	30 54	13 18	12 16	12 9	8 23		n.a.
T 18	13 40	5 41	4 26	5 42	3 27	3 42	6 42	21 5	1 7	13 3	1 9	20 11	1 14	6 32	0 43	5 54	1 57	30 54	13 18	12 16	12 10	8 25		n.a.
W19	13 20	10 3	5 0	5 41	3 33	3 50	6 51	20 54	1 7	12 58	1 9	20 9	1 14	6 30	0 43	5 54	1 57	30 54	13 18	12 16	12 11	8 27		n.a.
T 20	13 0	13 49	5 16	5 44	3 38	3 57	7 0	20 43	1 7	12 53	1 9	20 7	1 15	6 29	0 43	5 55	1 57	30 53	13 18	12 16	12 12	8 29		n.a.
F 21	12 40	16 44	5 13	5 52	3 41	4 3	7 8	20 32	1 7	12 48	1 9	20 6	1 15	6 28	0 43	5 56	1 57	30 53	13 18	12 16	12 13	8 31		n.a.
S 22	12 19	18 38	4 51	6 3	3 42	4 8	7 16	20 21	1 8	12 42	1 9	20 4	1 15	6 27	0 43	5 56	1 56	30 53	13 19	12 16	12 15	8 33		n.a.
S 23	11 58	19 25	4 13	6 18	3 42	4 11	7 24	20 10	1 8	12 37	1 9	20 2	1 15	6 25	0 43	5 57	1 56	30 52	13 19	12 16	12 16	8 35		n.a.
M24	11 37	19 5	3 22	6 35	3 39	4 13	7 31	19 58	1 8	12 32	1 9	20 1	1 15	6 24	0 43	5 58	1 56	30 52	13 19	12 16	12 17	8 37		n.a.
T 25	11 16	17 41	2 20	6 56	3 35	4 14	7 38	19 46	1 8	12 27	1 9	19 59	1 15	6 23	0 43	5 58	1 56	30 52	13 19	12 16	12 18	8 38		n.a.
W26	10 55	15 22	1 12	7 19	3 29	4 13	7 45	19 34	1 8	12 22	1 9	19 57	1 15	6 21	0 43	5 59	1 56	30 51	13 19	12 16	12 19	8 40		n.a.
T 27	10 33	12 20	0 1	7 45	3 21	4 11	7 50	19 22	1 9	12 17	1 9	19 56	1 15	6 20	0 43	6 0	1 56	30 51	13 19	12 16	12 20	8 42		n.a.
F 28	10s12	8s46	1s 8	8s11	3n12	4n 7	7n56	19s 9	1s 9	12s11	1s 9	19s54	1s15	6s19	0s43	6n 0	1s56	30s51	13s19	12n16	12n21	8n44		n.a.

Julian Day Number = 1567318.5, Delta T = 04h20m05s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'56, Lahiri = - 9°46'56 Julian Calendar 1 Feb. 422 BCE == Greg. Calendar 27 Jan. 422 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

MARCH 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 11 35	4♓54'59	22♓54	0°R23	21°R45	10♒28	1♓39	7♒25	15♓54	19♈42	9♒39	28°R 9	27♌51	4♉36	n.a.	S 1
S 2	10 15 31	5°54'02	5♈ 6	29♒35	21♓19	11°15	1°53	7°31	15°58	19°44	9°41	28♌ 8	27°48	4°43	n.a.	S 2
M 3	10 19 28	6°53'02	17° 8	28°49	20°51	12° 2	2° 7	7°38	16° 1	19°46	9°42	28° 7	27°45	4°50	n.a.	M 3
T 4	10 23 24	7°52'01	29° 4	28° 6	20°21	12°48	2°22	7°45	16° 4	19°48	9°44	28° 6	27°42	4°57	n.a.	T 4
W 5	10 27 21	8°50'56	10♉56	27°27	19°49	13°35	2°36	7°52	16° 8	19°49	9°45	28° 4	27°38	5° 3	n.a.	W 5
T 6	10 31 18	9°49'50	22°49	26°52	19°16	14°22	2°51	7°58	16°11	19°51	9°46	28° 3	27°35	5°10	n.a.	T 6
F 7	10 35 14	10°48'41	4♊45	26°22	18°41	15° 8	3° 5	8° 5	16°15	19°53	9°48	28° 3	27°32	5°17	n.a.	F 7
S 8	10 39 11	11°47'30	16°51	25°57	18° 5	15°55	3°19	8°12	16°18	19°55	9°49	28°D 3	27°29	5°23	n.a.	S 8
S 9	10 43 7	12°46'17	29°10	25°37	17°29	16°41	3°34	8°18	16°22	19°57	9°51	28° 3	27°26	5°30	n.a.	S 9
M10	10 47 4	13°45'01	11♋47	25°23	16°51	17°28	3°48	8°25	16°25	19°59	9°52	28° 4	27°23	5°37	n.a.	M10
T 11	10 51 0	14°43'43	24°45	25°14	16°13	18°14	4° 2	8°31	16°28	20° 1	9°54	28° 6	27°19	5°44	n.a.	T 11
W12	10 54 57	15°42'22	8♌ 7	25°D10	15°35	19° 1	4°17	8°37	16°32	20° 2	9°55	28° 7	27°16	5°50	n.a.	W12
T 13	10 58 53	16°41'00	21°54	25°12	14°57	19°47	4°31	8°44	16°35	20° 4	9°56	28°R 7	27°13	5°57	n.a.	T 13
F 14	11 2 50	17°39'35	6♍ 5	25°19	14°19	20°33	4°45	8°50	16°39	20° 6	9°58	28° 7	27°10	6° 4	n.a.	F 14
S 15	11 6 46	18°38'07	20°36	25°30	13°42	21°20	5° 0	8°56	16°42	20° 8	9°59	28° 6	27° 7	6°10	n.a.	S 15
S 16	11 10 43	19°36'38	5♎21	25°47	13° 5	22° 6	5°14	9° 3	16°45	20°10	10° 0	28° 4	27° 3	6°17	n.a.	S 16
M17	11 14 40	20°35'07	20°14	26° 8	12°30	22°52	5°28	9° 9	16°49	20°12	10° 2	28° 2	27° 0	6°24	n.a.	M17
T 18	11 18 36	21°33'34	5♏ 5	26°34	11°55	23°39	5°42	9°15	16°52	20°14	10° 3	27°58	26°57	6°31	n.a.	T 18
W19	11 22 33	22°32'00	19°47	27° 4	11°23	24°25	5°56	9°21	16°56	20°16	10° 4	27°55	26°54	6°37	n.a.	W19
T 20	11 26 29	23°30'23	4♐15	27°39	10°52	25°11	6°10	9°27	16°59	20°18	10° 5	27°53	26°51	6°44	n.a.	T 20
F 21	11 30 26	24°28'45	18°25	28°17	10°22	25°57	6°24	9°33	17° 3	20°20	10° 7	27°D52	26°48	6°51	n.a.	F 21
S 22	11 34 22	25°27'06	2♑14	28°59	9°55	26°43	6°38	9°39	17° 6	20°22	10° 8	27°52	26°44	6°57	n.a.	S 22
S 23	11 38 19	26°25'25	15°45	29°45	9°30	27°29	6°53	9°45	17° 9	20°25	10° 9	27°53	26°41	7° 4	n.a.	S 23
M24	11 42 15	27°23'42	28°57	0♓34	9° 6	28°15	7° 7	9°51	17°13	20°27	10°10	27°55	26°38	7°11	n.a.	M24
T 25	11 46 12	28°21'57	11♒52	1°26	8°46	29° 1	7°20	9°56	17°16	20°29	10°11	27°56	26°35	7°18	n.a.	T 25
W26	11 50 9	29°20'11	24°34	2°22	8°27	29°47	7°34	10° 2	17°19	20°31	10°13	27°R57	26°32	7°24	n.a.	W26
T 27	11 54 5	0♈18'23	7♓ 3	3°21	8°11	0♓33	7°48	10° 8	17°23	20°33	10°14	27°57	26°28	7°31	n.a.	T 27
F 28	11 58 2	1°16'33	19°22	4°22	7°57	1°19	8° 2	10°13	17°26	20°35	10°15	27°55	26°25	7°38	n.a.	F 28
S 29	12 1 58	2°14'42	1♈33	5°27	7°46	2° 5	8°16	10°19	17°29	20°37	10°16	27°51	26°22	7°44	n.a.	S 29
S 30	12 5 55	3°12'49	13°36	6°34	7°37	2°51	8°30	10°24	17°33	20°39	10°17	27°46	26°19	7°51	n.a.	S 30
M31	12 9 51	4♈10'54	25♈34	7♓43	7♓31	3♓36	8♓43	10♒30	17♓36	20♈42	10♒18	27♌40	26♌16	7♉58	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s50	4s53	2s13	8s39	3n 2	4n 2	8n 0	18s57	1s 9	12s 6	1s 9	19s52	1s16	6s17	0s43	6n 1	1s56	30s50	13s20	12n16	12n22	8n46		n.a.
S 2	9 28	0 52	3 11	9 7	2 50	3 55	8 4	18 44	1 9	12 1	1 9	19 51	1 16	6 16	0 43	6 2	1 56	30 50	13 20	12 16	12 23	8 48		n.a.
M 3	9 6	3n 8	3 59	9 35	2 37	3 47	8 7	18 31	1 9	11 56	1 10	19 49	1 16	6 15	0 43	6 2	1 56	30 50	13 20	12 17	12 25	8 50		n.a.
T 4	8 44	6 58	4 37	10 3	2 23	3 37	8 10	18 18	1 10	11 51	1 10	19 47	1 16	6 13	0 43	6 3	1 56	30 50	13 20	12 17	12 26	8 52		n.a.
W 5	8 21	10 31	5 2	10 30	2 8	3 26	8 11	18 4	1 10	11 45	1 10	19 46	1 16	6 12	0 43	6 4	1 56	30 49	13 20	12 18	12 27	8 54		n.a.
T 6	7 59	13 38	5 15	10 57	1 53	3 14	8 12	17 51	1 10	11 40	1 10	19 44	1 16	6 11	0 43	6 4	1 56	30 49	13 20	12 18	12 28	8 56		n.a.
F 7	7 36	16 12	5 14	11 21	1 38	3 0	8 12	17 37	1 10	11 35	1 10	19 42	1 16	6 9	0 43	6 5	1 56	30 49	13 21	12 18	12 29	8 58		n.a.
S 8	7 14	18 7	5 0	11 45	1 22	2 45	8 11	17 23	1 10	11 30	1 10	19 41	1 16	6 8	0 43	6 6	1 56	30 49	13 21	12 18	12 30	8 59		n.a.
S 9	6 51	19 13	4 31	12 6	1 6	2 29	8 9	17 9	1 10	11 25	1 10	19 39	1 17	6 7	0 43	6 7	1 56	30 49	13 21	12 18	12 31	9 1		n.a.
M10	6 28	19 25	3 49	12 26	0 51	2 11	8 6	16 55	1 10	11 19	1 10	19 38	1 17	6 5	0 43	6 7	1 56	30 48	13 21	12 18	12 32	9 3		n.a.
T 11	6 5	18 36	2 54	12 43	0 35	1 53	8 2	16 40	1 10	11 14	1 10	19 36	1 17	6 4	0 43	6 8	1 56	30 48	13 22	12 17	12 33	9 5		n.a.
W12	5 42	16 44	1 48	12 59	0 20	1 34	7 57	16 26	1 11	11 9	1 10	19 34	1 17	6 2	0 43	6 9	1 56	30 48	13 22	12 17	12 34	9 7		n.a.
T 13	5 19	13 51	0 34	13 12	0 6	1 14	7 52	16 11	1 11	11 4	1 10	19 33	1 17	6 1	0 43	6 10	1 56	30 48	13 22	12 17	12 36	9 9		n.a.
F 14	4 56	10 4	0n44	13 23	0s 8	0 54	7 45	15 56	1 11	10 58	1 10	19 31	1 17	6 0	0 43	6 11	1 56	30 48	13 22	12 17	12 37	9 11		n.a.
S 15	4 33	5 37	2 1	13 32	0 22	0 33	7 38	15 41	1 11	10 53	1 10	19 30	1 17	5 58	0 43	6 11	1 56	30 47	13 22	12 17	12 38	9 13		n.a.
S 16	4 10	0 46	3 11	13 38	0 35	0 12	7 30	15 26	1 11	10 48	1 10	19 28	1 18	5 57	0 43	6 12	1 55	30 47	13 23	12 18	12 39	9 15		n.a.
M17	3 47	4s10	4 9	13 43	0 48	0s10	7 21	15 11	1 11	10 43	1 10	19 27	1 18	5 56	0 43	6 13	1 55	30 47	13 23	12 19	12 40	9 17		n.a.
T 18	3 23	8 50	4 50	13 45	1 0	0 32	7 12	14 55	1 11	10 38	1 10	19 25	1 18	5 54	0 43	6 14	1 55	30 47	13 23	12 20	12 41	9 19		n.a.
W19	3 0	12 55	5 11	13 45	1 11	0 54	7 2	14 40	1 11	10 32	1 10	19 24	1 18	5 53	0 43	6 14	1 55	30 47	13 23	12 21	12 42	9 20		n.a.
T 20	2 37	16 9	5 12	13 43	1 22	1 15	6 51	14 24	1 11	10 27	1 11	19 22	1 18	5 52	0 43	6 15	1 55	30 47	13 24	12 22	12 43	9 22		n.a.
F 21	2 13	18 21	4 54	13 39	1 32	1 37	6 40	14 8	1 11	10 22	1 11	19 21	1 18	5 50	0 43	6 16	1 55	30 46	13 24	12 22	12 44	9 24		n.a.
S 22	1 50	19 24	4 20	13 33	1 41	1 58	6 28	13 53	1 11	10 17	1 11	19 19	1 18	5 49	0 43	6 17	1 55	30 46	13 24	12 22	12 45	9 26		n.a.
S 23	1 26	19 19	3 31	13 25	1 50	2 19	6 16	13 37	1 11	10 11	1 11	19 18	1 19	5 48	0 43	6 18	1 55	30 46	13 24	12 22	12 47	9 28		n.a.
M24	1 3	18 9	2 32	13 15	1 58	2 39	6 4	13 20	1 11	10 6	1 11	19 16	1 19	5 46	0 43	6 19	1 55	30 46	13 25	12 21	12 48	9 30		n.a.
T 25	0 39	16 3	1 27	13 3	2 5	2 58	5 51	13 4	1 11	10 1	1 11	19 15	1 19	5 45	0 43	6 19	1 55	30 46	13 25	12 21	12 49	9 32		n.a.
W26	0 16	13 13	0 19	12 49	2 12	3 17	5 38	12 48	1 11	9 56	1 11	19 14	1 19	5 44	0 43	6 20	1 55	30 46	13 25	12 20	12 50	9 34		n.a.
T 27	0n 7	9 48	0s50	12 33	2 18	3 35	5 25	12 31	1 11	9 51	1 11	19 12	1 19	5 42	0 43	6 21	1 55	30 46	13 25	12 20	12 51	9 36		n.a.
F 28	0 31	6 0	1 54	12 15	2 24	3 53	5 12	12 15	1 11	9 46	1 11	19 11	1 19	5 41	0 43	6 22	1 55	30 46	13 26	12 21	12 52	9 38		n.a.
S 29	0 54	2 1	2 53	11 56	2 28	4 9	4 58	11 58	1 11	9 41	1 11	19 9	1 20	5 40	0 43	6 23	1 55	30 46	13 26	12 22	12 53	9 39		n.a.
S 30	1 18	2n 1	3 43	11 34	2 33	4 25	4 45	11 41	1 11	9 35	1 11	19 8	1 20	5 38	0 43	6 24	1 55	30 46	13 26	12 24	12 54	9 41		n.a.
M31	1n41	5n56	4s23	11s11	2s36	4s40	4n32	11s25	1s11	9s30	1s12	19s 7	1s20	5s37	0s43	6n24	1s55	30s46	13s27	12n26	12n55	9n43		n.a.

Julian Day Number = 1567346.5, Delta T = 04h20m04s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'53, Lahiri = - 9°46'52 Julian Calendar 1 March 422 BCE == Greg. Calendar 24 Feb. 422 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

APRIL 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 13 48	5♈ 8'57	7♉27	8♓55	7°R27	4♓22	8♓57	10♒35	17♓39	20♈44	10♒19	27°R33	26♌13	8♉ 5	n.a.	T 1
W 2	12 17 44	6° 6'58	19°18	10°10	7°D25	5° 8	9°11	10°40	17°43	20°46	10°20	27♌26	26° 9	8°11	n.a.	W 2
T 3	12 21 41	7° 4'57	1♊10	11°27	7♓26	5°53	9°24	10°45	17°46	20°48	10°21	27°20	26° 6	8°18	n.a.	T 3
F 4	12 25 37	8° 2'54	13° 6	12°46	7°29	6°39	9°38	10°51	17°49	20°50	10°22	27°16	26° 3	8°25	n.a.	F 4
S 5	12 29 34	9° 0'50	25°10	14° 8	7°34	7°25	9°51	10°56	17°53	20°53	10°23	27°13	26° 0	8°31	n.a.	S 5
S 6	12 33 31	9°58'44	7♋26	15°31	7°42	8°10	10° 5	11° 1	17°56	20°55	10°24	27°D12	25°57	8°38	n.a.	S 6
M 7	12 37 27	10°56'35	19°59	16°57	7°51	8°55	10°18	11° 5	17°59	20°57	10°25	27°12	25°54	8°45	n.a.	M 7
T 8	12 41 24	11°54'25	2♌53	18°25	8° 3	9°41	10°32	11°10	18° 2	20°59	10°26	27°13	25°50	8°52	n.a.	T 8
W 9	12 45 20	12°52'13	16°11	19°55	8°17	10°26	10°45	11°15	18° 5	21° 1	10°27	27°14	25°47	8°58	n.a.	W 9
T 10	12 49 17	13°49'59	29°57	21°28	8°33	11°11	10°58	11°20	18° 9	21° 4	10°28	27°R15	25°44	9° 5	n.a.	T 10
F 11	12 53 13	14°47'43	14♍11	23° 2	8°51	11°57	11°11	11°24	18°12	21° 6	10°28	27°14	25°41	9°12	n.a.	F 11
S 12	12 57 10	15°45'26	28°51	24°38	9°10	12°42	11°24	11°29	18°15	21° 8	10°29	27°10	25°38	9°18	n.a.	S 12
S 13	13 1 6	16°43'07	13♎50	26°17	9°32	13°27	11°37	11°33	18°18	21°10	10°30	27° 5	25°34	9°25	n.a.	S 13
M14	13 5 3	17°40'46	29° 2	27°58	9°55	14°12	11°50	11°38	18°21	21°13	10°31	26°58	25°31	9°32	n.a.	M14
T 15	13 9 0	18°38'24	14♏14	29°40	10°20	14°57	12° 3	11°42	18°24	21°15	10°32	26°51	25°28	9°39	n.a.	T 15
W16	13 12 56	19°36'01	29°17	1♈25	10°46	15°42	12°16	11°46	18°27	21°17	10°32	26°43	25°25	9°45	n.a.	W16
T 17	13 16 53	20°33'37	14♐ 3	3°12	11°14	16°27	12°29	11°50	18°30	21°19	10°33	26°37	25°22	9°52	n.a.	T 17
F 18	13 20 49	21°31'12	28°24	5° 1	11°44	17°12	12°42	11°55	18°33	21°22	10°34	26°33	25°19	9°59	n.a.	F 18
S 19	13 24 46	22°28'46	12♑20	6°52	12°15	17°57	12°55	11°59	18°36	21°24	10°34	26°31	25°15	10° 6	n.a.	S 19
S 20	13 28 42	23°26'18	25°49	8°45	12°47	18°42	13° 7	12° 2	18°39	21°26	10°35	26°D30	25°12	10°12	n.a.	S 20
M21	13 32 39	24°23'50	8♒55	10°40	13°21	19°26	13°20	12° 6	18°42	21°28	10°36	26°31	25° 9	10°19	n.a.	M21
T 22	13 36 35	25°21'21	21°41	12°37	13°56	20°11	13°32	12°10	18°45	21°31	10°36	26°R32	25° 6	10°26	n.a.	T 22
W23	13 40 32	26°18'50	4♓10	14°36	14°32	20°56	13°45	12°14	18°48	21°33	10°37	26°31	25° 3	10°32	n.a.	W23
T 24	13 44 29	27°16'19	16°26	16°37	15°10	21°40	13°57	12°17	18°51	21°35	10°38	26°29	24°59	10°39	n.a.	T 24
F 25	13 48 25	28°13'47	28°33	18°40	15°49	22°25	14° 9	12°21	18°54	21°37	10°38	26°25	24°56	10°46	n.a.	F 25
S 26	13 52 22	29°11'13	10♈33	20°45	16°28	23° 9	14°22	12°24	18°56	21°40	10°39	26°18	24°53	10°53	n.a.	S 26
S 27	13 56 18	0♉ 8'39	22°29	22°51	17° 9	23°54	14°34	12°27	18°59	21°42	10°39	26° 9	24°50	10°59	n.a.	S 27
M28	14 0 15	1° 6'03	4♉21	24°58	17°51	24°38	14°46	12°31	19° 2	21°44	10°40	25°57	24°47	11° 6	n.a.	M28
T 29	14 4 11	2° 3'27	16°13	27° 7	18°34	25°22	14°58	12°34	19° 5	21°46	10°40	25°45	24°44	11°13	n.a.	T 29
W30	14 8 8	3♉ 0'50	28♉ 5	29♈17	19♓17	26♓ 7	15♓10	12♒37	19♓ 7	21♈49	10♒40	25♌33	24♌40	11♉19	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n 4	9n35	4s51	10s47	2s39	4s54	4n18	11s 8	1s11	9s25	1s12	19s 5	1s20	5s36	0s43	6n25	1s55	30s46	13s27	12n29	12n56	9n45		n.a.
W 2	2 28	12 51	5 7	10 20	2 41	5 7	4 5	10 51	1 11	9 20	1 12	19 4	1 20	5 35	0 43	6 26	1 55	30 46	13 27	12 31	12 58	9 47		n.a.
T 3	2 51	15 37	5 9	9 52	2 43	5 18	3 52	10 34	1 11	9 15	1 12	19 3	1 21	5 33	0 43	6 27	1 55	30 46	13 27	12 33	12 59	9 49		n.a.
F 4	3 14	17 44	4 58	9 22	2 44	5 29	3 39	10 17	1 11	9 10	1 12	19 2	1 21	5 32	0 43	6 28	1 55	30 46	13 28	12 35	13 0	9 51		n.a.
S 5	3 37	19 6	4 34	8 51	2 44	5 39	3 26	9 59	1 11	9 5	1 12	19 0	1 21	5 31	0 43	6 29	1 55	30 46	13 28	12 36	13 1	9 53		n.a.
S 6	4 0	19 35	3 57	8 18	2 44	5 48	3 13	9 42	1 10	9 0	1 12	18 59	1 21	5 29	0 43	6 29	1 55	30 46	13 28	12 36	13 2	9 55		n.a.
M 7	4 23	19 8	3 8	7 43	2 44	5 56	3 1	9 25	1 10	8 55	1 12	18 58	1 21	5 28	0 43	6 30	1 55	30 46	13 29	12 36	13 3	9 56		n.a.
T 8	4 46	17 41	2 8	7 7	2 42	6 3	2 48	9 7	1 10	8 50	1 12	18 57	1 21	5 27	0 43	6 31	1 55	30 46	13 29	12 36	13 4	9 58		n.a.
W 9	5 9	15 15	0 59	6 29	2 40	6 9	2 36	8 50	1 10	8 45	1 13	18 56	1 22	5 26	0 43	6 32	1 55	30 46	13 29	12 35	13 5	10 0		n.a.
T 10	5 31	11 52	0n15	5 50	2 38	6 15	2 24	8 32	1 10	8 40	1 13	18 55	1 22	5 24	0 43	6 33	1 55	30 46	13 30	12 35	13 6	10 2		n.a.
F 11	5 54	7 41	1 30	5 10	2 35	6 19	2 13	8 15	1 10	8 35	1 13	18 53	1 22	5 23	0 43	6 34	1 55	30 46	13 30	12 35	13 7	10 4		n.a.
S 12	6 17	2 56	2 42	4 28	2 31	6 22	2 1	7 57	1 10	8 30	1 13	18 52	1 22	5 22	0 43	6 35	1 55	30 46	13 30	12 36	13 8	10 6		n.a.
S 13	6 39	2s 6	3 44	3 44	2 27	6 24	1 50	7 39	1 10	8 25	1 13	18 51	1 22	5 21	0 43	6 35	1 55	30 46	13 31	12 38	13 9	10 8		n.a.
M14	7 1	7 3	4 31	2 59	2 22	6 25	1 39	7 22	1 9	8 20	1 13	18 50	1 23	5 19	0 43	6 36	1 55	30 46	13 31	12 41	13 11	10 10		n.a.
T 15	7 24	11 33	4 59	2 13	2 17	6 26	1 28	7 4	1 9	8 15	1 13	18 49	1 23	5 18	0 43	6 37	1 55	30 46	13 31	12 43	13 12	10 11		n.a.
W16	7 46	15 16	5 6	1 25	2 11	6 25	1 18	6 46	1 9	8 10	1 13	18 48	1 23	5 17	0 43	6 38	1 55	30 46	13 32	12 46	13 13	10 13		n.a.
T 17	8 8	17 56	4 52	0 37	2 4	6 24	1 8	6 28	1 9	8 5	1 14	18 47	1 23	5 16	0 43	6 39	1 55	30 46	13 32	12 48	13 14	10 15		n.a.
F 18	8 30	19 23	4 21	0n13	1 57	6 22	0 58	6 10	1 9	8 1	1 14	18 46	1 23	5 15	0 43	6 40	1 55	30 46	13 32	12 49	13 15	10 17		n.a.
S 19	8 51	19 37	3 34	1 5	1 50	6 19	0 48	5 52	1 9	7 56	1 14	18 45	1 24	5 14	0 43	6 41	1 55	30 47	13 33	12 50	13 16	10 19		n.a.
S 20	9 13	18 41	2 37	1 57	1 42	6 15	0 39	5 35	1 8	7 51	1 14	18 44	1 24	5 12	0 43	6 41	1 55	30 47	13 33	12 50	13 17	10 21		n.a.
M21	9 34	16 46	1 33	2 50	1 34	6 10	0 30	5 17	1 8	7 46	1 14	18 43	1 24	5 11	0 43	6 42	1 55	30 47	13 33	12 50	13 18	10 23		n.a.
T 22	9 56	14 3	0 26	3 45	1 25	6 5	0 21	4 59	1 8	7 42	1 14	18 43	1 24	5 10	0 43	6 43	1 55	30 47	13 34	12 50	13 19	10 25		n.a.
W23	10 17	10 44	0s41	4 40	1 16	5 59	0 12	4 41	1 8	7 37	1 14	18 42	1 24	5 9	0 43	6 44	1 55	30 47	13 34	12 50	13 20	10 26		n.a.
T 24	10 38	7 1	1 44	5 36	1 7	5 52	0 4	4 23	1 8	7 32	1 15	18 41	1 25	5 8	0 43	6 45	1 55	30 47	13 34	12 51	13 21	10 28		n.a.
F 25	10 59	3 4	2 42	6 32	0 57	5 44	0s 4	4 5	1 7	7 28	1 15	18 40	1 25	5 7	0 43	6 46	1 55	30 48	13 35	12 52	13 22	10 30		n.a.
S 26	11 19	0n59	3 32	7 29	0 47	5 36	0 12	3 47	1 7	7 23	1 15	18 39	1 25	5 6	0 43	6 46	1 55	30 48	13 35	12 55	13 24	10 32		n.a.
S 27	11 40	4 57	4 12	8 26	0 36	5 27	0 20	3 29	1 7	7 18	1 15	18 39	1 25	5 5	0 43	6 47	1 55	30 48	13 35	12 58	13 25	10 34		n.a.
M28	12 0	8 43	4 41	9 23	0 26	5 17	0 27	3 10	1 7	7 14	1 15	18 38	1 25	5 4	0 43	6 48	1 55	30 48	13 36	13 2	13 26	10 36		n.a.
T 29	12 20	12 9	4 58	10 20	0 15	5 7	0 35	2 52	1 6	7 9	1 15	18 37	1 26	5 2	0 43	6 49	1 55	30 48	13 36	13 6	13 27	10 38		n.a.
W30	12n40	15n 5	5s 2	11n17	0s 5	4s56	0s42	2s34	1s 6	7s 5	1s16	18s36	1s26	5s 1	0s43	6n50	1s55	30s49	13s36	13n10	13n28	10n40		n.a.

Julian Day Number = 1567377.5, Delta T = 04h20m02s
Ecliptic obliquity = 23°44'40, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'48, Lahiri = - 9°46'48 Julian Calendar 1 Apr. 422 BCE == Greg. Calendar 27 March 422 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

MAY 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 12 4	3♉58'11	9♊59	1♉28	20♓ 2	26♓51	15♓21	12♒40	19♓10	21♈51	10♒41	25°R22	24♌37	11♉26	n.a.	T 1
F 2	14 16 1	4°55'31	21°58	3°39	20°47	27°35	15°33	12°43	19°13	21°53	10°41	25♌13	24°34	11°33	n.a.	F 2
S 3	14 19 58	5°52'51	4♋ 3	5°51	21°33	28°19	15°45	12°46	19°15	21°55	10°42	25° 6	24°31	11°40	n.a.	S 3
S 4	14 23 54	6°50'09	16°19	8° 2	22°21	29° 3	15°56	12°48	19°18	21°57	10°42	25° 2	24°28	11°46	n.a.	S 4
M 5	14 27 51	7°47'26	28°50	10°14	23° 8	29°47	16° 8	12°51	19°20	22° 0	10°42	25° 0	24°25	11°53	n.a.	M 5
T 6	14 31 47	8°44'42	11♌39	12°25	23°57	0♈31	16°19	12°53	19°23	22° 2	10°42	25°D 0	24°21	12° 0	n.a.	T 6
W 7	14 35 44	9°41'56	24°52	14°35	24°46	1°15	16°30	12°56	19°25	22° 4	10°43	25°R 0	24°18	12° 6	n.a.	W 7
T 8	14 39 40	10°39'10	8♍31	16°45	25°36	1°58	16°42	12°58	19°28	22° 6	10°43	25° 0	24°15	12°13	n.a.	T 8
F 9	14 43 37	11°36'23	22°38	18°53	26°27	2°42	16°53	13° 0	19°30	22° 8	10°43	24°57	24°12	12°20	n.a.	F 9
S 10	14 47 33	12°33'35	7♎13	21° 0	27°18	3°26	17° 4	13° 2	19°32	22°10	10°43	24°53	24° 9	12°27	n.a.	S 10
S 11	14 51 30	13°30'45	22°12	23° 5	28°10	4° 9	17°15	13° 4	19°35	22°12	10°43	24°45	24° 5	12°33	n.a.	S 11
M12	14 55 27	14°27'55	7♏27	25° 9	29° 2	4°53	17°25	13° 6	19°37	22°15	10°44	24°36	24° 2	12°40	n.a.	M12
T 13	14 59 23	15°25'05	22°47	27°10	29°55	5°36	17°36	13° 8	19°39	22°17	10°44	24°26	23°59	12°47	n.a.	T 13
W14	15 3 20	16°22'14	8♐ 1	29°10	0♈49	6°20	17°47	13°10	19°42	22°19	10°44	24°15	23°56	12°54	n.a.	W14
T 15	15 7 16	17°19'23	22°59	1♊ 8	1°43	7° 3	17°57	13°12	19°44	22°21	10°44	24° 6	23°53	13° 0	n.a.	T 15
F 16	15 11 13	18°16'31	7♑32	3° 3	2°38	7°46	18° 8	13°13	19°46	22°23	10°44	24° 0	23°50	13° 7	n.a.	F 16
S 17	15 15 9	19°13'39	21°36	4°56	3°33	8°29	18°18	13°15	19°48	22°25	10°R44	23°56	23°46	13°14	n.a.	S 17
S 18	15 19 6	20°10'47	5♒11	6°47	4°29	9°13	18°28	13°16	19°50	22°27	10°44	23°54	23°43	13°20	n.a.	S 18
M19	15 23 2	21° 7'55	18°19	8°36	5°25	9°56	18°38	13°17	19°52	22°29	10°44	23°53	23°40	13°27	n.a.	M19
T 20	15 26 59	22° 5'03	1♓ 3	10°23	6°21	10°39	18°48	13°18	19°54	22°31	10°44	23°53	23°37	13°34	n.a.	T 20
W21	15 30 56	23° 2'10	13°28	12° 7	7°18	11°22	18°58	13°20	19°56	22°33	10°44	23°52	23°34	13°41	n.a.	W21
T 22	15 34 52	23°59'18	25°39	13°49	8°16	12° 5	19° 8	13°20	19°58	22°35	10°44	23°50	23°31	13°47	n.a.	T 22
F 23	15 38 49	24°56'25	7♈40	15°28	9°14	12°47	19°17	13°21	20° 0	22°37	10°44	23°44	23°27	13°54	n.a.	F 23
S 24	15 42 45	25°53'33	19°34	17° 5	10°12	13°30	19°27	13°22	20° 2	22°39	10°43	23°36	23°24	14° 1	n.a.	S 24
S 25	15 46 42	26°50'40	1♉26	18°40	11°11	14°13	19°36	13°23	20° 4	22°41	10°43	23°26	23°21	14° 7	n.a.	S 25
M26	15 50 38	27°47'47	13°17	20°13	12°10	14°55	19°46	13°23	20° 5	22°43	10°43	23°13	23°18	14°14	n.a.	M26
T 27	15 54 35	28°44'55	25°10	21°43	13° 9	15°38	19°55	13°24	20° 7	22°45	10°43	23° 0	23°15	14°21	n.a.	T 27
W28	15 58 31	29°42'02	7♊ 5	23°10	14° 9	16°20	20° 4	13°24	20° 9	22°47	10°43	22°46	23°11	14°28	n.a.	W28
T 29	16 2 28	0♊39'09	19° 5	24°36	15° 9	17° 3	20°13	13°24	20°10	22°49	10°42	22°33	23° 8	14°34	n.a.	T 29
F 30	16 6 25	1°36'16	1♋10	25°59	16° 9	17°45	20°22	13°25	20°12	22°50	10°42	22°23	23° 5	14°41	n.a.	F 30
S 31	16 10 21	2♊33'23	13♋22	27♊19	17♈10	18♈27	20♓30	13°R25	20♓13	22♈52	10♒42	22♌15	23♌ 2	14♉48	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	13n 0	17n25	4s52	12n13	0n 6	4s44	0s48	2s16	1s 6	7s 0	1s16	18s36	1s26	5s 0	0s44	6n51	1s55	30s49	13s37	13n14	13n29	10n41			n.a.
F 2	13 20	19 0	4 30	13 9	0 16	4 32	0 55	1 58	1 6	6 56	1 16	18 35	1 26	4 59	0 44	6 51	1 55	30 49	13 37	13 17	13 30	10 43			n.a.
S 3	13 39	19 45	3 56	14 4	0 27	4 19	1 1	1 40	1 5	6 51	1 16	18 35	1 26	4 58	0 44	6 52	1 55	30 49	13 38	13 19	13 31	10 45			n.a.
S 4	13 58	19 35	3 10	14 57	0 37	4 6	1 7	1 22	1 5	6 47	1 16	18 34	1 27	4 57	0 44	6 53	1 55	30 49	13 38	13 21	13 32	10 47			n.a.
M 5	14 17	18 28	2 14	15 49	0 47	3 52	1 13	1 4	1 5	6 43	1 17	18 33	1 27	4 56	0 44	6 54	1 55	30 50	13 38	13 21	13 33	10 49			n.a.
T 6	14 36	16 23	1 10	16 39	0 56	3 38	1 19	0 46	1 4	6 38	1 17	18 33	1 27	4 55	0 44	6 55	1 55	30 50	13 39	13 21	13 34	10 51			n.a.
W 7	14 54	13 23	0 1	17 27	1 5	3 23	1 24	0 29	1 4	6 34	1 17	18 32	1 27	4 54	0 44	6 55	1 55	30 50	13 39	13 21	13 35	10 53			n.a.
T 8	15 12	9 35	1n11	18 14	1 14	3 8	1 29	0 11	1 4	6 30	1 17	18 32	1 28	4 53	0 44	6 56	1 55	30 50	13 39	13 21	13 36	10 54			n.a.
F 9	15 30	5 7	2 21	18 58	1 22	2 52	1 34	0n 7	1 3	6 26	1 17	18 32	1 28	4 53	0 44	6 57	1 55	30 51	13 40	13 22	13 37	10 56			n.a.
S 10	15 48	0 13	3 24	19 40	1 29	2 36	1 39	0 25	1 3	6 22	1 17	18 31	1 28	4 52	0 44	6 58	1 55	30 51	13 40	13 24	13 39	10 58			n.a.
S 11	16 6	4s49	4 14	20 19	1 36	2 19	1 44	0 43	1 3	6 17	1 18	18 31	1 28	4 51	0 44	6 59	1 55	30 51	13 40	13 26	13 40	11 0			n.a.
M12	16 23	9 38	4 48	20 56	1 42	2 2	1 48	1 1	1 2	6 13	1 18	18 30	1 28	4 50	0 44	6 59	1 55	30 52	13 41	13 29	13 41	11 2			n.a.
T 13	16 40	13 51	5 1	21 31	1 47	1 45	1 52	1 18	1 2	6 9	1 18	18 30	1 29	4 49	0 44	7 0	1 55	30 52	13 41	13 33	13 42	11 4			n.a.
W14	16 57	17 7	4 52	22 3	1 52	1 27	1 56	1 36	1 2	6 5	1 18	18 30	1 29	4 48	0 44	7 1	1 55	30 52	13 41	13 36	13 43	11 6			n.a.
T 15	17 13	19 10	4 24	22 32	1 56	1 8	2 0	1 54	1 1	6 1	1 18	18 30	1 29	4 47	0 44	7 2	1 55	30 53	13 42	13 39	13 44	11 7			n.a.
F 16	17 29	19 53	3 39	22 59	1 59	0 50	2 4	2 11	1 1	5 57	1 19	18 29	1 29	4 46	0 44	7 2	1 55	30 53	13 42	13 42	13 45	11 9			n.a.
S 17	17 45	19 19	2 42	23 23	2 2	0 31	2 7	2 29	1 0	5 53	1 19	18 29	1 30	4 46	0 44	7 3	1 55	30 53	13 43	13 43	13 46	11 11			n.a.
S 18	18 1	17 38	1 37	23 45	2 4	0 11	2 11	2 47	1 0	5 50	1 19	18 29	1 30	4 45	0 44	7 4	1 55	30 54	13 43	13 44	13 47	11 13			n.a.
M19	18 16	15 4	0 29	24 5	2 5	0n 8	2 14	3 4	1 0	5 46	1 19	18 29	1 30	4 44	0 44	7 5	1 55	30 54	13 43	13 44	13 48	11 15			n.a.
T 20	18 31	11 50	0s38	24 22	2 6	0 28	2 17	3 22	0 59	5 42	1 20	18 29	1 30	4 43	0 44	7 5	1 55	30 54	13 44	13 44	13 49	11 17			n.a.
W21	18 46	8 8	1 42	24 36	2 5	0 48	2 19	3 39	0 59	5 38	1 20	18 29	1 31	4 43	0 44	7 6	1 55	30 55	13 44	13 44	13 50	11 19			n.a.
T 22	19 0	4 11	2 39	24 49	2 5	1 9	2 22	3 56	0 58	5 35	1 20	18 29	1 31	4 42	0 44	7 7	1 55	30 55	13 44	13 45	13 51	11 20			n.a.
F 23	19 15	0 7	3 29	24 59	2 3	1 30	2 24	4 14	0 58	5 31	1 20	18 29	1 31	4 41	0 44	7 8	1 55	30 55	13 45	13 47	13 52	11 22			n.a.
S 24	19 28	3n55	4 9	25 7	2 1	1 51	2 27	4 31	0 58	5 28	1 20	18 28	1 31	4 40	0 44	7 8	1 55	30 56	13 45	13 49	13 53	11 24			n.a.
S 25	19 42	7 46	4 38	25 13	1 58	2 12	2 29	4 48	0 57	5 24	1 21	18 29	1 31	4 40	0 44	7 9	1 55	30 56	13 45	13 53	13 54	11 26			n.a.
M26	19 55	11 20	4 55	25 17	1 54	2 33	2 31	5 5	0 57	5 21	1 21	18 29	1 32	4 39	0 44	7 10	1 55	30 57	13 46	13 57	13 56	11 28			n.a.
T 27	20 8	14 27	4 59	25 19	1 50	2 55	2 33	5 22	0 56	5 17	1 21	18 29	1 32	4 38	0 44	7 10	1 56	30 57	13 46	14 2	13 57	11 30			n.a.
W28	20 21	17 0	4 51	25 19	1 45	3 17	2 34	5 39	0 56	5 14	1 21	18 29	1 32	4 38	0 44	7 11	1 56	30 57	13 46	14 6	13 58	11 31			n.a.
T 29	20 33	18 49	4 29	25 18	1 40	3 39	2 36	5 56	0 55	5 10	1 22	18 29	1 32	4 37	0 44	7 12	1 56	30 58	13 47	14 10	13 59	11 33			n.a.
F 30	20 45	19 50	3 55	25 15	1 34	4 1	2 37	6 13	0 55	5 7	1 22	18 29	1 33	4 37	0 44	7 12	1 56	30 58	13 47	14 14	14 0	11 35			n.a.
S 31	20n56	19n55	3s10	25n10	1n28	4n23	2s38	6n29	0s54	5s 4	1s22	18s29	1s33	4s36	0s44	7n13	1s56	30s59	13s48	14n16	14n 1	11n37			n.a.

Julian Day Number = 1567407.5, Delta T = 04h20m01s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'44, Lahiri = - 9°46'44 Julian Calendar 1 May 422 BCE == Greg. Calendar 26 Apr. 422 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

JUNE 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 14 18	3♊30'30	25♋45	28♊37	18♈11	19♈10	20♓39	13°R25	20♓15	22♈54	10°R41	22°R10	22♌59	14♉55	n.a.	S 1
M 2	16 18 14	4°27'36	8♌19	29°52	19°12	19°52	20°47	13♒24	20°16	22°56	10♒41	22♌ 8	22°56	15° 1	n.a.	M 2
T 3	16 22 11	5°24'43	21°10	1♋ 5	20°13	20°34	20°55	13°24	20°18	22°58	10°41	22°D 7	22°52	15° 8	n.a.	T 3
W 4	16 26 7	6°21'49	4♍20	2°15	21°15	21°16	21° 3	13°24	20°19	22°59	10°40	22°R 7	22°49	15°15	n.a.	W 4
T 5	16 30 4	7°18'55	17°53	3°22	22°17	21°58	21°11	13°23	20°20	23° 1	10°40	22° 7	22°46	15°21	n.a.	T 5
F 6	16 34 0	8°16'01	1♎51	4°26	23°20	22°40	21°19	13°23	20°22	23° 3	10°39	22° 5	22°43	15°28	n.a.	F 6
S 7	16 37 57	9°13'07	16°15	5°27	24°22	23°21	21°27	13°22	20°23	23° 5	10°39	22° 1	22°40	15°35	n.a.	S 7
S 8	16 41 54	10°10'13	1♏ 1	6°26	25°25	24° 3	21°34	13°21	20°24	23° 6	10°39	21°55	22°37	15°42	n.a.	S 8
M 9	16 45 50	11° 7'19	16° 4	7°21	26°28	24°45	21°42	13°21	20°25	23° 8	10°38	21°46	22°33	15°48	n.a.	M 9
T 10	16 49 47	12° 4'26	1♐16	8°12	27°31	25°26	21°49	13°20	20°26	23°10	10°37	21°36	22°30	15°55	n.a.	T 10
W11	16 53 43	13° 1'32	16°25	9° 1	28°35	26° 8	21°56	13°19	20°27	23°11	10°37	21°27	22°27	16° 2	n.a.	W11
T 12	16 57 40	13°58'40	1♑22	9°46	29°39	26°49	22° 3	13°17	20°28	23°13	10°36	21°18	22°24	16° 8	n.a.	T 12
F 13	17 1 36	14°55'47	15°58	10°27	0♉43	27°30	22°10	13°16	20°29	23°14	10°36	21°12	22°21	16°15	n.a.	F 13
S 14	17 5 33	15°52'56	0♒ 8	11° 5	1°47	28°12	22°17	13°15	20°30	23°16	10°35	21° 8	22°17	16°22	n.a.	S 14
S 15	17 9 30	16°50'05	13°48	11°38	2°52	28°53	22°23	13°13	20°31	23°17	10°35	21° 6	22°14	16°29	n.a.	S 15
M16	17 13 26	17°47'15	27° 1	12° 8	3°56	29°34	22°30	13°12	20°32	23°19	10°34	21°D 6	22°11	16°35	n.a.	M16
T 17	17 17 23	18°44'25	9♓48	12°33	5° 1	0♉15	22°36	13°10	20°33	23°20	10°33	21° 7	22° 8	16°42	n.a.	T 17
W18	17 21 19	19°41'37	22°15	12°54	6° 6	0°56	22°42	13° 9	20°33	23°22	10°33	21°R 7	22° 5	16°49	n.a.	W18
T 19	17 25 16	20°38'49	4♈26	13°10	7°11	1°37	22°48	13° 7	20°34	23°23	10°32	21° 6	22° 2	16°56	n.a.	T 19
F 20	17 29 12	21°36'02	16°26	13°21	8°17	2°18	22°53	13° 5	20°35	23°24	10°31	21° 3	21°58	17° 2	n.a.	F 20
S 21	17 33 9	22°33'16	28°20	13°28	9°23	2°58	22°59	13° 3	20°35	23°26	10°30	20°58	21°55	17° 9	n.a.	S 21
S 22	17 37 5	23°30'32	10♉11	13°R30	10°28	3°39	23° 4	13° 1	20°36	23°27	10°30	20°50	21°52	17°16	n.a.	S 22
M23	17 41 2	24°27'48	22° 3	13°27	11°34	4°20	23° 9	12°59	20°36	23°28	10°29	20°41	21°49	17°22	n.a.	M23
T 24	17 44 59	25°25'05	3♊59	13°19	12°41	5° 0	23°15	12°56	20°37	23°30	10°28	20°31	21°46	17°29	n.a.	T 24
W25	17 48 55	26°22'23	16° 0	13° 6	13°47	5°41	23°19	12°54	20°37	23°31	10°27	20°20	21°42	17°36	n.a.	W25
T 26	17 52 52	27°19'42	28° 8	12°47	14°53	6°21	23°24	12°52	20°37	23°32	10°26	20°11	21°39	17°43	n.a.	T 26
F 27	17 56 48	28°17'02	10♋24	12°25	16° 0	7° 1	23°29	12°49	20°38	23°33	10°25	20° 3	21°36	17°49	n.a.	F 27
S 28	18 0 45	29°14'23	22°50	11°57	17° 7	7°41	23°33	12°46	20°38	23°35	10°25	19°58	21°33	17°56	n.a.	S 28
S 29	18 4 41	0♋11'44	5♌26	11°25	18°14	8°22	23°37	12°44	20°38	23°36	10°24	19°55	21°30	18° 3	n.a.	S 29
M30	18 8 38	1♋ 9'07	18♌13	10♋50	19♉21	9♉ 2	23♓41	12♒41	20♓38	23♈37	10♒23	19°D54	21♌27	18♉10	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 7	19n 4	2s15	25n 5	1n20	4n46	2s39	6n46	0s54	5s 1	1s22	18s30	1s33	4s35	0s44	7n14	1s56	30s59	13s48	14n18	14n 2	11n39		n.a.
M 2	21 18	17 15	1 12	24 57	1 13	5 8	2 40	7 2	0 53	4 58	1 23	18 30	1 33	4 35	0 44	7 14	1 56	31 0	13 48	14 19	14 3	11 41		n.a.
T 3	21 29	14 33	0 5	24 49	1 4	5 31	2 41	7 19	0 53	4 55	1 23	18 30	1 34	4 34	0 44	7 15	1 56	31 0	13 49	14 19	14 4	11 42		n.a.
W 4	21 39	11 2	1n 4	24 39	0 56	5 54	2 42	7 35	0 52	4 52	1 23	18 30	1 34	4 34	0 44	7 15	1 56	31 0	13 49	14 19	14 5	11 44		n.a.
T 5	21 49	6 52	2 12	24 28	0 46	6 17	2 42	7 52	0 52	4 49	1 23	18 31	1 34	4 33	0 45	7 16	1 56	31 1	13 49	14 19	14 6	11 46		n.a.
F 6	21 58	2 13	3 14	24 17	0 37	6 39	2 43	8 8	0 51	4 46	1 24	18 31	1 34	4 33	0 45	7 17	1 56	31 1	13 50	14 20	14 7	11 48		n.a.
S 7	22 7	2s42	4 6	24 4	0 26	7 2	2 43	8 24	0 51	4 43	1 24	18 32	1 34	4 32	0 45	7 17	1 56	31 2	13 50	14 21	14 8	11 50		n.a.
S 8	22 15	7 34	4 43	23 51	0 16	7 25	2 43	8 40	0 50	4 40	1 24	18 32	1 35	4 32	0 45	7 18	1 56	31 2	13 50	14 23	14 9	11 52		n.a.
M 9	22 24	12 4	5 1	23 37	0 4	7 48	2 43	8 56	0 50	4 37	1 24	18 32	1 35	4 31	0 45	7 18	1 56	31 3	13 51	14 26	14 10	11 53		n.a.
T 10	22 32	15 49	4 58	23 22	0s 7	8 11	2 43	9 12	0 49	4 35	1 25	18 33	1 35	4 31	0 45	7 19	1 56	31 3	13 51	14 29	14 11	11 55		n.a.
W11	22 39	18 30	4 34	23 7	0 19	8 34	2 43	9 28	0 49	4 32	1 25	18 33	1 35	4 31	0 45	7 20	1 56	31 4	13 51	14 32	14 12	11 57		n.a.
T 12	22 46	19 52	3 52	22 51	0 32	8 57	2 43	9 43	0 48	4 30	1 25	18 34	1 36	4 30	0 45	7 20	1 56	31 4	13 52	14 35	14 13	11 59		n.a.
F 13	22 53	19 52	2 55	22 35	0 45	9 20	2 42	9 59	0 48	4 27	1 25	18 35	1 36	4 30	0 45	7 21	1 56	31 5	13 52	14 37	14 14	12 1		n.a.
S 14	22 59	18 36	1 49	22 19	0 58	9 43	2 42	10 14	0 47	4 25	1 26	18 35	1 36	4 30	0 45	7 21	1 56	31 5	13 52	14 38	14 15	12 2		n.a.
S 15	23 5	16 17	0 39	22 2	1 11	10 6	2 41	10 29	0 46	4 22	1 26	18 36	1 36	4 29	0 45	7 22	1 56	31 5	13 52	14 39	14 17	12 4		n.a.
M16	23 10	13 9	0s32	21 46	1 25	10 29	2 40	10 45	0 46	4 20	1 26	18 36	1 36	4 29	0 45	7 22	1 56	31 6	13 53	14 39	14 18	12 6		n.a.
T 17	23 16	9 30	1 38	21 30	1 39	10 52	2 39	11 0	0 45	4 18	1 27	18 37	1 37	4 29	0 45	7 23	1 56	31 6	13 53	14 39	14 19	12 8		n.a.
W18	23 20	5 32	2 38	21 14	1 53	11 14	2 38	11 15	0 45	4 16	1 27	18 38	1 37	4 29	0 45	7 23	1 57	31 7	13 53	14 38	14 20	12 10		n.a.
T 19	23 25	1 25	3 30	20 58	2 7	11 37	2 37	11 30	0 44	4 14	1 27	18 39	1 37	4 28	0 45	7 24	1 57	31 7	13 54	14 39	14 21	12 11		n.a.
F 20	23 28	2n41	4 11	20 43	2 22	11 59	2 36	11 45	0 44	4 12	1 27	18 39	1 37	4 28	0 45	7 24	1 57	31 8	13 54	14 40	14 22	12 13		n.a.
S 21	23 32	6 38	4 42	20 28	2 36	12 21	2 35	11 59	0 43	4 10	1 28	18 40	1 38	4 28	0 45	7 25	1 57	31 8	13 54	14 42	14 23	12 15		n.a.
S 22	23 35	10 19	4 59	20 14	2 50	12 43	2 33	12 14	0 42	4 8	1 28	18 41	1 38	4 28	0 45	7 25	1 57	31 9	13 55	14 44	14 24	12 17		n.a.
M23	23 38	13 36	5 5	20 1	3 4	13 5	2 32	12 28	0 42	4 6	1 28	18 42	1 38	4 28	0 45	7 25	1 57	31 9	13 55	14 47	14 25	12 19		n.a.
T 24	23 40	16 22	4 56	19 48	3 17	13 27	2 30	12 43	0 41	4 4	1 29	18 43	1 38	4 27	0 45	7 26	1 57	31 10	13 55	14 50	14 26	12 21		n.a.
W25	23 42	18 26	4 35	19 37	3 30	13 49	2 29	12 57	0 40	4 2	1 29	18 44	1 38	4 27	0 45	7 26	1 57	31 10	13 55	14 53	14 27	12 22		n.a.
T 26	23 43	19 43	4 1	19 26	3 42	14 10	2 27	13 11	0 40	4 1	1 29	18 44	1 39	4 27	0 45	7 27	1 57	31 11	13 56	14 56	14 28	12 24		n.a.
F 27	23 44	20 5	3 16	19 17	3 54	14 31	2 25	13 25	0 39	3 59	1 29	18 45	1 39	4 27	0 45	7 27	1 57	31 11	13 56	14 59	14 29	12 26		n.a.
S 28	23 45	19 29	2 20	19 8	4 5	14 52	2 23	13 39	0 39	3 58	1 30	18 46	1 39	4 27	0 45	7 27	1 57	31 12	13 56	15 1	14 30	12 28		n.a.
S 29	23 45	17 54	1 17	19 2	4 14	15 13	2 21	13 52	0 38	3 56	1 30	18 47	1 39	4 27	0 45	7 28	1 57	31 12	13 56	15 2	14 31	12 30		n.a.
M30	23n44	15n25	0s 9	18n56	4s23	15n33	2s19	14n 6	0s37	3s55	1s30	18s48	1s39	4s27	0s45	7n28	1s57	31s13	13s57	15n 2	14n32	12n31		n.a.

Julian Day Number = 1567438.5, Delta T = 04h20m00s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'40, Lahiri = - 9°46'40 Julian Calendar 1 June 422 BCE == Greg. Calendar 27 May 422 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

JULY 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 12 34	2♋ 6'30	1♍14	10°R10	20♉28	9♉41	23♓45	12°R38	20♓38	23♈38	10°R22	19♌54	21♌23	18♉16	n.a.	T 1
W 2	18 16 31	3° 3'54	14°31	9♋28	21°36	10°21	23°49	12♒35	20°R38	23°39	10♒21	19°55	21°20	18°23	n.a.	W 2
T 3	18 20 28	4° 1'18	28° 5	8°44	22°43	11° 1	23°52	12°32	20°38	23°40	10°20	19°R56	21°17	18°30	n.a.	T 3
F 4	18 24 24	4°58'44	11♎58	7°58	23°51	11°41	23°55	12°29	20°38	23°41	10°19	19°56	21°14	18°36	n.a.	F 4
S 5	18 28 21	5°56'10	26°10	7°11	24°59	12°20	23°58	12°26	20°38	23°42	10°18	19°54	21°11	18°43	n.a.	S 5
S 6	18 32 17	6°53'37	10♏39	6°24	26° 6	13° 0	24° 1	12°23	20°38	23°43	10°17	19°51	21° 8	18°50	n.a.	S 6
M 7	18 36 14	7°51'06	25°22	5°39	27°15	13°39	24° 4	12°19	20°38	23°44	10°16	19°46	21° 4	18°57	n.a.	M 7
T 8	18 40 10	8°48'35	10♐13	4°55	28°23	14°18	24° 6	12°16	20°37	23°45	10°15	19°40	21° 1	19° 3	n.a.	T 8
W 9	18 44 7	9°46'05	25° 3	4°14	29°31	14°58	24° 9	12°12	20°37	23°45	10°14	19°34	20°58	19°10	n.a.	W 9
T 10	18 48 3	10°43'37	9♑45	3°36	0♊40	15°37	24°11	12° 9	20°37	23°46	10°13	19°29	20°55	19°17	n.a.	T 10
F 11	18 52 0	11°41'10	24°10	3° 3	1°48	16°16	24°13	12° 5	20°36	23°47	10°12	19°25	20°52	19°24	n.a.	F 11
S 12	18 55 57	12°38'44	8♒14	2°35	2°57	16°55	24°15	12° 2	20°36	23°48	10°11	19°23	20°48	19°30	n.a.	S 12
S 13	18 59 53	13°36'20	21°54	2°13	4° 6	17°34	24°16	11°58	20°35	23°48	10°10	19°D23	20°45	19°37	n.a.	S 13
M14	19 3 50	14°33'57	5♓ 8	1°56	5°15	18°13	24°17	11°54	20°35	23°49	10° 9	19°23	20°42	19°44	n.a.	M14
T 15	19 7 46	15°31'36	17°59	1°47	6°24	18°51	24°19	11°50	20°34	23°50	10° 7	19°25	20°39	19°50	n.a.	T 15
W16	19 11 43	16°29'16	0♈29	1°D44	7°33	19°30	24°20	11°46	20°33	23°50	10° 6	19°26	20°36	19°57	n.a.	W16
T 17	19 15 39	17°26'59	12°43	1°49	8°42	20° 8	24°20	11°43	20°33	23°51	10° 5	19°R27	20°33	20° 4	n.a.	T 17
F 18	19 19 36	18°24'43	24°45	2° 1	9°52	20°47	24°21	11°39	20°32	23°52	10° 4	19°27	20°29	20°11	n.a.	F 18
S 19	19 23 32	19°22'29	6♉39	2°20	11° 1	21°25	24°21	11°34	20°31	23°52	10° 3	19°26	20°26	20°17	n.a.	S 19
S 20	19 27 29	20°20'16	18°32	2°47	12°11	22° 3	24°R22	11°30	20°30	23°53	10° 2	19°23	20°23	20°24	n.a.	S 20
M21	19 31 26	21°18'06	0♊26	3°22	13°21	22°42	24°21	11°26	20°30	23°53	10° 1	19°20	20°20	20°31	n.a.	M21
T 22	19 35 22	22°15'57	12°25	4° 4	14°31	23°20	24°21	11°22	20°29	23°53	9°59	19°15	20°17	20°37	n.a.	T 22
W23	19 39 19	23°13'50	24°33	4°53	15°41	23°58	24°21	11°18	20°28	23°54	9°58	19°11	20°14	20°44	n.a.	W23
T 24	19 43 15	24°11'45	6♋51	5°49	16°51	24°35	24°20	11°13	20°27	23°54	9°57	19° 7	20°10	20°51	n.a.	T 24
F 25	19 47 12	25° 9'41	19°20	6°52	18° 1	25°13	24°19	11° 9	20°26	23°54	9°56	19° 3	20° 7	20°58	n.a.	F 25
S 26	19 51 8	26° 7'40	2♌ 3	8° 2	19°12	25°51	24°18	11° 5	20°25	23°55	9°55	19° 1	20° 4	21° 4	n.a.	S 26
S 27	19 55 5	27° 5'40	14°58	9°17	20°22	26°28	24°17	11° 0	20°23	23°55	9°53	19°D 0	20° 1	21°11	n.a.	S 27
M28	19 59 1	28° 3'41	28° 6	10°39	21°33	27° 6	24°16	10°56	20°22	23°55	9°52	19° 1	19°58	21°18	n.a.	M28
T 29	20 2 58	29° 1'44	11♍27	12° 5	22°43	27°43	24°14	10°51	20°21	23°55	9°51	19° 2	19°54	21°25	n.a.	T 29
W30	20 6 55	29°59'49	25° 1	13°37	23°54	28°20	24°12	10°47	20°20	23°56	9°50	19° 3	19°51	21°31	n.a.	W30
T 31	20 10 51	0♌57'55	8♎47	15♋13	25♊ 5	28♉57	24♓10	10♒42	20♓18	23♈56	9♒48	19♌ 4	19♌48	21♉38	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	23n44	12n 7	1n 1	18n52	4s30	15n53	2s17	14n19	0s37	3s54	1s31	18s49	1s40	4s27	0s45	7n29	1s57	31s13	13s57	15n 2	14n33	12n33			n.a.
W 2	23 42	8 9	2 9	18 49	4 35	16 13	2 15	14 33	0 36	3 53	1 31	18 50	1 40	4 27	0 45	7 29	1 57	31 14	13 57	15 2	14 34	12 35			n.a.
T 3	23 41	3 42	3 11	18 48	4 39	16 33	2 13	14 46	0 35	3 52	1 31	18 51	1 40	4 27	0 45	7 29	1 57	31 14	13 57	15 1	14 35	12 37			n.a.
F 4	23 39	1s 3	4 4	18 49	4 42	16 52	2 10	14 59	0 35	3 51	1 32	18 52	1 40	4 27	0 46	7 29	1 57	31 15	13 58	15 1	14 36	12 38			n.a.
S 5	23 37	5 50	4 43	18 51	4 42	17 11	2 8	15 12	0 34	3 50	1 32	18 54	1 40	4 27	0 46	7 30	1 57	31 16	13 58	15 2	14 37	12 40			n.a.
S 6	23 34	10 23	5 5	18 54	4 41	17 30	2 5	15 25	0 33	3 49	1 32	18 55	1 41	4 27	0 46	7 30	1 58	31 16	13 58	15 3	14 38	12 42			n.a.
M 7	23 30	14 22	5 8	18 59	4 38	17 48	2 3	15 37	0 32	3 48	1 32	18 56	1 41	4 27	0 46	7 30	1 58	31 17	13 58	15 4	14 39	12 44			n.a.
T 8	23 27	17 29	4 50	19 6	4 34	18 6	2 0	15 50	0 32	3 47	1 33	18 57	1 41	4 28	0 46	7 31	1 58	31 17	13 58	15 6	14 40	12 46			n.a.
W 9	23 23	19 27	4 12	19 14	4 27	18 23	1 58	16 2	0 31	3 47	1 33	18 58	1 41	4 28	0 46	7 31	1 58	31 18	13 59	15 8	14 41	12 47			n.a.
T 10	23 18	20 5	3 19	19 23	4 19	18 40	1 55	16 14	0 30	3 46	1 33	18 59	1 41	4 28	0 46	7 31	1 58	31 18	13 59	15 10	14 42	12 49			n.a.
F 11	23 13	19 22	2 13	19 34	4 9	18 57	1 52	16 27	0 30	3 45	1 34	19 0	1 41	4 28	0 46	7 31	1 58	31 19	13 59	15 11	14 43	12 51			n.a.
S 12	23 8	17 28	1 0	19 45	3 58	19 13	1 50	16 38	0 29	3 45	1 34	19 2	1 42	4 28	0 46	7 32	1 58	31 19	13 59	15 12	14 44	12 53			n.a.
S 13	23 2	14 36	0s14	19 58	3 45	19 29	1 47	16 50	0 28	3 45	1 34	19 3	1 42	4 29	0 46	7 32	1 58	31 20	13 59	15 12	14 45	12 55			n.a.
M14	22 56	11 4	1 25	20 12	3 32	19 45	1 44	17 2	0 27	3 44	1 35	19 4	1 42	4 29	0 46	7 32	1 58	31 20	14 0	15 12	14 46	12 56			n.a.
T 15	22 50	7 6	2 30	20 26	3 17	20 0	1 41	17 13	0 27	3 44	1 35	19 5	1 42	4 29	0 46	7 32	1 58	31 21	14 0	15 11	14 48	12 58			n.a.
W16	22 43	2 57	3 26	20 42	3 2	20 14	1 38	17 25	0 26	3 44	1 35	19 7	1 42	4 29	0 46	7 32	1 58	31 21	14 0	15 11	14 49	13 0			n.a.
T 17	22 35	1n14	4 11	20 58	2 46	20 28	1 35	17 36	0 25	3 44	1 36	19 8	1 42	4 30	0 46	7 32	1 58	31 22	14 0	15 10	14 50	13 2			n.a.
F 18	22 28	5 18	4 44	21 14	2 30	20 42	1 32	17 47	0 24	3 44	1 36	19 9	1 43	4 30	0 46	7 33	1 58	31 22	14 0	15 10	14 51	13 3			n.a.
S 19	22 19	9 7	5 5	21 30	2 13	20 55	1 29	17 58	0 24	3 44	1 36	19 10	1 43	4 30	0 46	7 33	1 58	31 23	14 1	15 11	14 52	13 5			n.a.
S 20	22 11	12 33	5 13	21 46	1 57	21 7	1 26	18 9	0 23	3 44	1 36	19 12	1 43	4 31	0 46	7 33	1 58	31 23	14 1	15 12	14 53	13 7			n.a.
M21	22 2	15 30	5 7	22 2	1 40	21 19	1 23	18 19	0 22	3 45	1 37	19 13	1 43	4 31	0 46	7 33	1 58	31 24	14 1	15 13	14 54	13 9			n.a.
T 22	21 53	17 49	4 48	22 18	1 23	21 31	1 20	18 30	0 21	3 45	1 37	19 14	1 43	4 31	0 46	7 33	1 59	31 24	14 1	15 14	14 55	13 10			n.a.
W23	21 43	19 22	4 16	22 32	1 7	21 42	1 16	18 40	0 20	3 46	1 37	19 16	1 43	4 32	0 46	7 33	1 59	31 24	14 1	15 16	14 56	13 12			n.a.
T 24	21 33	20 3	3 31	22 46	0 51	21 52	1 13	18 50	0 20	3 46	1 38	19 17	1 43	4 32	0 46	7 33	1 59	31 25	14 1	15 17	14 57	13 14			n.a.
F 25	21 22	19 45	2 36	22 59	0 35	22 2	1 10	19 0	0 19	3 47	1 38	19 18	1 44	4 33	0 46	7 33	1 59	31 25	14 1	15 18	14 58	13 16			n.a.
S 26	21 12	18 28	1 32	23 10	0 20	22 11	1 7	19 10	0 18	3 47	1 38	19 20	1 44	4 33	0 46	7 33	1 59	31 26	14 1	15 19	14 59	13 17			n.a.
S 27	21 0	16 12	0 22	23 19	0 6	22 20	1 3	19 20	0 17	3 48	1 39	19 21	1 44	4 34	0 46	7 33	1 59	31 26	14 2	15 19	15 0	13 19			n.a.
M28	20 49	13 4	0n50	23 27	0n 8	22 28	1 0	19 30	0 16	3 49	1 39	19 22	1 44	4 34	0 46	7 33	1 59	31 27	14 2	15 19	15 1	13 21			n.a.
T 29	20 37	9 13	2 1	23 32	0 21	22 36	0 57	19 39	0 15	3 50	1 39	19 24	1 44	4 35	0 46	7 33	1 59	31 27	14 2	15 19	15 2	13 23			n.a.
W30	20 25	4 50	3 6	23 35	0 33	22 42	0 54	19 48	0 15	3 51	1 39	19 25	1 44	4 35	0 46	7 33	1 59	31 28	14 2	15 18	15 3	13 24			n.a.
T 31	20n12	0n10	4n 1	23n36	0n44	22n49	0s50	19n57	0s14	3s52	1s40	19s27	1s44	4s36	0s46	7n33	1s59	31s28	14s 2	15n18	15n 4	13n26			n.a.

Julian Day Number = 1567468.5, Delta T = 04h19m59s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'36, Lahiri = - 9°46'35 Julian Calendar 1 July 422 BCE == Greg. Calendar 26 June 422 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

AUGUST 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 14 48	1♌56'03	22♎44	16♋53	26♊16	29♉34	24°R 8	10°R38	20°R17	23♈56	9°R47	19♌ 5	19♌45	21♉45	n.a.	F 1
S 2	20 18 44	2°54'12	6♏52	18°36	27°27	0♊11	24♓ 6	10♒33	20♓16	23°56	9♒46	19°R 5	19°42	21°51	n.a.	S 2
S 3	20 22 41	3°52'23	21° 9	20°22	28°38	0°48	24° 3	10°29	20°14	23°R56	9°45	19° 5	19°39	21°58	n.a.	S 3
M 4	20 26 37	4°50'35	5♐32	22°11	29°49	1°25	24° 0	10°24	20°13	23°56	9°43	19° 3	19°35	22° 5	n.a.	M 4
T 5	20 30 34	5°48'50	19°57	24° 1	1♋ 0	2° 1	23°57	10°20	20°11	23°56	9°42	19° 2	19°32	22°12	n.a.	T 5
W 6	20 34 30	6°47'05	4♑19	25°53	2°12	2°38	23°54	10°15	20°10	23°56	9°41	19° 0	19°29	22°18	n.a.	W 6
T 7	20 38 27	7°45'23	18°35	27°47	3°23	3°14	23°51	10°10	20° 8	23°56	9°40	18°59	19°26	22°25	n.a.	T 7
F 8	20 42 24	8°43'42	2♒39	29°41	4°35	3°50	23°47	10° 6	20° 6	23°55	9°38	18°58	19°23	22°32	n.a.	F 8
S 9	20 46 20	9°42'03	16°26	1♌35	5°46	4°26	23°43	10° 1	20° 5	23°55	9°37	18°D58	19°20	22°39	n.a.	S 9
S 10	20 50 17	10°40'26	29°55	3°30	6°58	5° 2	23°39	9°57	20° 3	23°55	9°36	18°58	19°16	22°45	n.a.	S 10
M11	20 54 13	11°38'52	13♓ 4	5°25	8°10	5°38	23°35	9°52	20° 1	23°55	9°35	18°58	19°13	22°52	n.a.	M11
T 12	20 58 10	12°37'19	25°53	7°20	9°22	6°14	23°31	9°47	20° 0	23°55	9°33	18°59	19°10	22°59	n.a.	T 12
W13	21 2 6	13°35'48	8♈23	9°15	10°34	6°50	23°27	9°43	19°58	23°54	9°32	19° 0	19° 7	23° 5	n.a.	W13
T 14	21 6 3	14°34'20	20°38	11° 8	11°46	7°25	23°22	9°38	19°56	23°54	9°31	19° 0	19° 4	23°12	n.a.	T 14
F 15	21 9 59	15°32'54	2♉42	13° 2	12°58	8° 1	23°17	9°33	19°54	23°53	9°30	19° 0	19° 0	23°19	n.a.	F 15
S 16	21 13 56	16°31'30	14°38	14°54	14°10	8°36	23°12	9°29	19°52	23°53	9°28	19°R 0	18°57	23°26	n.a.	S 16
S 17	21 17 53	17°30'09	26°31	16°46	15°23	9°11	23° 7	9°24	19°50	23°53	9°27	19° 0	18°54	23°32	n.a.	S 17
M18	21 21 49	18°28'50	8♊26	18°37	16°35	9°46	23° 2	9°20	19°48	23°52	9°26	19°D 0	18°51	23°39	n.a.	M18
T 19	21 25 46	19°27'34	20°27	20°27	17°48	10°21	22°56	9°15	19°46	23°52	9°25	19° 0	18°48	23°46	n.a.	T 19
W20	21 29 42	20°26'19	2♋38	22°16	19° 0	10°56	22°51	9°11	19°44	23°51	9°23	19° 0	18°45	23°52	n.a.	W20
T 21	21 33 39	21°25'07	15° 2	24° 4	20°13	11°30	22°45	9° 6	19°42	23°51	9°22	19° 1	18°41	23°59	n.a.	T 21
F 22	21 37 35	22°23'58	27°43	25°51	21°26	12° 5	22°39	9° 2	19°40	23°50	9°21	19° 1	18°38	24° 6	n.a.	F 22
S 23	21 41 32	23°22'50	10♌42	27°38	22°38	12°39	22°33	8°57	19°38	23°49	9°20	19° 1	18°35	24°13	n.a.	S 23
S 24	21 45 28	24°21'45	23°58	29°23	23°51	13°13	22°27	8°53	19°36	23°49	9°19	19°R 1	18°32	24°19	n.a.	S 24
M25	21 49 25	25°20'41	7♍31	1♍ 7	25° 4	13°47	22°20	8°49	19°34	23°48	9°17	19° 1	18°29	24°26	n.a.	M25
T 26	21 53 21	26°19'40	21°19	2°51	26°17	14°21	22°14	8°44	19°32	23°47	9°16	19° 0	18°26	24°33	n.a.	T 26
W27	21 57 18	27°18'41	5♎19	4°33	27°30	14°55	22° 7	8°40	19°29	23°47	9°15	18°59	18°22	24°40	n.a.	W27
T 28	22 1 15	28°17'44	19°27	6°14	28°44	15°28	22° 0	8°36	19°27	23°46	9°14	18°58	18°19	24°46	n.a.	T 28
F 29	22 5 11	29°16'48	3♏41	7°55	29°57	16° 2	21°54	8°32	19°25	23°45	9°13	18°57	18°16	24°53	n.a.	F 29
S 30	22 9 8	0♍15'55	17°56	9°35	1♌10	16°35	21°47	8°27	19°23	23°44	9°12	18°57	18°13	25° 0	n.a.	S 30
S 31	22 13 4	1♍15'03	2♐10	11♍14	2♌23	17♊ 8	21♓39	8♒23	19♓20	23♈43	9♒10	18°D56	18♌10	25♉ 6	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n59	4s35	4n43	23n34	0n55	22n54	0s47	20n 6	0s13	3s53	1s40	19s28	1s44	4s36	0s46	7n33	1s59	31s29	14s 2	15n17	15n 5	13n28		n.a.
S 2	19 46	9 7	5 9	23 30	1 4	22 59	0 44	20 15	0 12	3 54	1 40	19 29	1 45	4 37	0 46	7 33	1 59	31 29	14 2	15 17	15 6	13 30		n.a.
S 3	19 32	13 12	5 16	23 22	1 13	23 4	0 41	20 24	0 11	3 56	1 41	19 31	1 45	4 38	0 46	7 33	1 59	31 29	14 2	15 18	15 7	13 31		n.a.
M 4	19 18	16 32	5 3	23 13	1 20	23 7	0 37	20 32	0 10	3 57	1 41	19 32	1 45	4 38	0 47	7 33	1 59	31 30	14 2	15 18	15 8	13 33		n.a.
T 5	19 3	18 51	4 31	23 0	1 27	23 10	0 34	20 41	0 9	3 58	1 41	19 33	1 45	4 39	0 47	7 33	1 59	31 30	14 2	15 18	15 9	13 35		n.a.
W 6	18 49	19 58	3 43	22 45	1 32	23 13	0 31	20 49	0 9	4 0	1 41	19 35	1 45	4 39	0 47	7 33	2 0	31 31	14 2	15 19	15 10	13 37		n.a.
T 7	18 34	19 47	2 40	22 27	1 37	23 15	0 27	20 57	0 8	4 2	1 42	19 36	1 45	4 40	0 47	7 33	2 0	31 31	14 2	15 19	15 11	13 38		n.a.
F 8	18 18	18 22	1 29	22 7	1 41	23 16	0 24	21 5	0 7	4 3	1 42	19 37	1 45	4 41	0 47	7 33	2 0	31 32	14 2	15 20	15 12	13 40		n.a.
S 9	18 3	15 53	0 14	21 45	1 44	23 16	0 21	21 12	0 6	4 5	1 42	19 39	1 45	4 41	0 47	7 33	2 0	31 32	14 3	15 20	15 13	13 42		n.a.
S 10	17 47	12 35	1s 0	21 20	1 46	23 16	0 18	21 20	0 5	4 7	1 42	19 40	1 45	4 42	0 47	7 33	2 0	31 32	14 3	15 20	15 14	13 44		n.a.
M11	17 31	8 44	2 10	20 54	1 48	23 15	0 14	21 27	0 4	4 9	1 43	19 42	1 45	4 43	0 47	7 32	2 0	31 33	14 3	15 20	15 15	13 45		n.a.
T 12	17 14	4 34	3 11	20 25	1 49	23 13	0 11	21 34	0 3	4 11	1 43	19 43	1 45	4 44	0 47	7 32	2 0	31 33	14 3	15 19	15 16	13 47		n.a.
W13	16 57	0 19	4 1	19 55	1 49	23 11	0 8	21 42	0 2	4 13	1 43	19 44	1 45	4 44	0 47	7 32	2 0	31 34	14 3	15 19	15 17	13 49		n.a.
T 14	16 40	3n51	4 39	19 23	1 48	23 8	0 5	21 48	0 1	4 15	1 43	19 45	1 46	4 45	0 47	7 32	2 0	31 34	14 3	15 19	15 18	13 51		n.a.
F 15	16 23	7 48	5 4	18 50	1 47	23 4	0 2	21 55	0 0	4 17	1 44	19 47	1 46	4 46	0 47	7 32	2 0	31 34	14 3	15 19	15 19	13 52		n.a.
S 16	16 5	11 24	5 16	18 15	1 45	23 0	0n 1	22 2	0n 1	4 19	1 44	19 48	1 46	4 47	0 47	7 31	2 0	31 35	14 3	15 19	15 20	13 54		n.a.
S 17	15 47	14 32	5 14	17 39	1 43	22 55	0 4	22 8	0 2	4 21	1 44	19 49	1 46	4 47	0 47	7 31	2 0	31 35	14 3	15 19	15 21	13 56		n.a.
M18	15 29	17 4	4 59	17 2	1 41	22 49	0 7	22 15	0 3	4 24	1 44	19 51	1 46	4 48	0 47	7 31	2 0	31 35	14 3	15 19	15 22	13 57		n.a.
T 19	15 10	18 54	4 31	16 24	1 37	22 43	0 10	22 21	0 4	4 26	1 45	19 52	1 46	4 49	0 47	7 31	2 0	31 36	14 3	15 19	15 23	13 59		n.a.
W20	14 52	19 53	3 50	15 45	1 34	22 36	0 13	22 27	0 5	4 28	1 45	19 53	1 46	4 50	0 47	7 30	2 0	31 36	14 3	15 19	15 24	14 1		n.a.
T 21	14 33	19 57	2 57	15 5	1 30	22 28	0 16	22 33	0 6	4 31	1 45	19 54	1 46	4 51	0 47	7 30	2 0	31 36	14 2	15 19	15 25	14 3		n.a.
F 22	14 13	19 0	1 55	14 24	1 26	22 20	0 19	22 38	0 7	4 34	1 45	19 56	1 46	4 51	0 47	7 30	2 1	31 37	14 2	15 19	15 26	14 4		n.a.
S 23	13 54	17 2	0 46	13 43	1 21	22 11	0 22	22 44	0 8	4 36	1 45	19 57	1 46	4 52	0 47	7 30	2 1	31 37	14 2	15 19	15 27	14 6		n.a.
S 24	13 34	14 8	0n27	13 1	1 16	22 1	0 25	22 49	0 9	4 39	1 46	19 58	1 46	4 53	0 47	7 29	2 1	31 37	14 2	15 19	15 28	14 8		n.a.
M25	13 14	10 25	1 41	12 19	1 11	21 51	0 28	22 55	0 10	4 42	1 46	19 59	1 46	4 54	0 47	7 29	2 1	31 38	14 2	15 19	15 29	14 9		n.a.
T 26	12 54	6 5	2 50	11 37	1 6	21 40	0 31	23 0	0 11	4 44	1 46	20 0	1 46	4 55	0 47	7 29	2 1	31 38	14 2	15 19	15 30	14 11		n.a.
W27	12 34	1 22	3 49	10 54	1 0	21 28	0 33	23 5	0 12	4 47	1 46	20 2	1 46	4 56	0 47	7 28	2 1	31 38	14 2	15 19	15 31	14 13		n.a.
T 28	12 13	3s28	4 36	10 11	0 54	21 16	0 36	23 9	0 13	4 50	1 46	20 3	1 46	4 57	0 47	7 28	2 1	31 38	14 2	15 20	15 32	14 15		n.a.
F 29	11 52	8 7	5 5	9 27	0 48	21 3	0 39	23 14	0 14	4 53	1 46	20 4	1 46	4 58	0 47	7 28	2 1	31 39	14 2	15 20	15 33	14 16		n.a.
S 30	11 31	12 20	5 16	8 44	0 42	20 49	0 41	23 19	0 15	4 56	1 46	20 5	1 46	4 59	0 47	7 27	2 1	31 39	14 2	15 20	15 34	14 18		n.a.
S 31	11n10	15s50	5n 8	8n 0	0n36	20n35	0n44	23n23	0n16	4s59	1s47	20s 6	1s46	4s59	0s47	7n27	2s 1	31s39	14s 2	15n20	15n35	14n20		n.a.

Julian Day Number = 1567499.5, Delta T = 04h19m58s
Ecliptic obliquity = 23°44'39, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'32, Lahiri = - 9°46'31 Julian Calendar 1 Aug. 422 BCE == Greg. Calendar 27 July 422 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

SEPTEMBER 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 17 1	2♍14'13	16♐20	12♍52	3♌37	17♊41	21°R32	8°R19	19°R18	23°R42	9°R 9	18♌57	18♌ 6	25♉13	n.a.	M 1
T 2	22 20 57	3°13'26	0♑24	14°29	4°50	18°14	21♓25	8♒15	19♓16	23♈41	9♒ 8	18°58	18° 3	25°20	n.a.	T 2
W 3	22 24 54	4°12'40	14°21	16° 5	6° 4	18°47	21°18	8°11	19°13	23°40	9° 7	18°59	18° 0	25°27	n.a.	W 3
T 4	22 28 50	5°11'56	28° 8	17°41	7°18	19°19	21°10	8° 8	19°11	23°39	9° 6	19° 0	17°57	25°33	n.a.	T 4
F 5	22 32 47	6°11'14	11♒44	19°15	8°31	19°51	21° 2	8° 4	19° 9	23°38	9° 5	19° 1	17°54	25°40	n.a.	F 5
S 6	22 36 44	7°10'33	25° 7	20°49	9°45	20°23	20°55	8° 0	19° 6	23°37	9° 4	19°R 1	17°51	25°47	n.a.	S 6
S 7	22 40 40	8° 9'55	8♓17	22°22	10°59	20°55	20°47	7°56	19° 4	23°36	9° 3	19° 0	17°47	25°54	n.a.	S 7
M 8	22 44 37	9° 9'19	21°12	23°55	12°13	21°27	20°39	7°53	19° 2	23°35	9° 2	18°58	17°44	26° 0	n.a.	M 8
T 9	22 48 33	10° 8'46	3♈53	25°26	13°26	21°59	20°31	7°49	18°59	23°34	9° 1	18°55	17°41	26° 7	n.a.	T 9
W10	22 52 30	11° 8'14	16°19	26°57	14°40	22°30	20°24	7°46	18°57	23°33	8°59	18°51	17°38	26°14	n.a.	W10
T 11	22 56 26	12° 7'45	28°32	28°27	15°54	23° 1	20°16	7°42	18°54	23°32	8°58	18°48	17°35	26°20	n.a.	T 11
F 12	23 0 23	13° 7'18	10♉35	29°57	17° 9	23°32	20° 8	7°39	18°52	23°31	8°57	18°44	17°31	26°27	n.a.	F 12
S 13	23 4 19	14° 6'54	22°31	1♎25	18°23	24° 3	20° 0	7°36	18°50	23°29	8°56	18°41	17°28	26°34	n.a.	S 13
S 14	23 8 16	15° 6'32	4♊23	2°53	19°37	24°34	19°52	7°33	18°47	23°28	8°55	18°39	17°25	26°41	n.a.	S 14
M15	23 12 12	16° 6'12	16°16	4°20	20°51	25° 4	19°43	7°29	18°45	23°27	8°55	18°D39	17°22	26°47	n.a.	M15
T 16	23 16 9	17° 5'55	28°15	5°47	22° 5	25°34	19°35	7°26	18°42	23°26	8°54	18°39	17°19	26°54	n.a.	T 16
W17	23 20 6	18° 5'40	10♋26	7°12	23°20	26° 4	19°27	7°23	18°40	23°24	8°53	18°41	17°16	27° 1	n.a.	W17
T 18	23 24 2	19° 5'27	22°51	8°37	24°34	26°34	19°19	7°21	18°37	23°23	8°52	18°43	17°12	27° 7	n.a.	T 18
F 19	23 27 59	20° 5'17	5♌36	10° 1	25°49	27° 4	19°11	7°18	18°35	23°22	8°51	18°44	17° 9	27°14	n.a.	F 19
S 20	23 31 55	21° 5'09	18°43	11°24	27° 3	27°33	19° 3	7°15	18°32	23°20	8°50	18°R45	17° 6	27°21	n.a.	S 20
S 21	23 35 52	22° 5'03	2♍14	12°46	28°18	28° 2	18°55	7°13	18°30	23°19	8°49	18°44	17° 3	27°28	n.a.	S 21
M22	23 39 48	23° 5'00	16° 8	14° 7	29°32	28°31	18°47	7°10	18°28	23°18	8°48	18°41	17° 0	27°34	n.a.	M22
T 23	23 43 45	24° 4'58	0♎22	15°27	0♍47	29° 0	18°39	7° 8	18°25	23°16	8°47	18°37	16°57	27°41	n.a.	T 23
W24	23 47 41	25° 4'58	14°51	16°46	2° 2	29°28	18°30	7° 5	18°23	23°15	8°47	18°32	16°53	27°48	n.a.	W24
T 25	23 51 38	26° 5'01	29°29	18° 4	3°16	29°57	18°22	7° 3	18°20	23°13	8°46	18°26	16°50	27°55	n.a.	T 25
F 26	23 55 34	27° 5'05	14♏ 8	19°20	4°31	0♋24	18°15	7° 1	18°18	23°12	8°45	18°21	16°47	28° 1	n.a.	F 26
S 27	23 59 31	28° 5'11	28°42	20°35	5°46	0°52	18° 7	6°59	18°15	23°10	8°44	18°16	16°44	28° 8	n.a.	S 27
S 28	0 3 28	29° 5'19	13♐ 6	21°49	7° 1	1°20	17°59	6°57	18°13	23° 9	8°44	18°13	16°41	28°15	n.a.	S 28
M29	0 7 24	0♎ 5'28	27°16	23° 0	8°16	1°47	17°51	6°55	18°11	23° 7	8°43	18°D12	16°37	28°21	n.a.	M29
T 30	0 11 21	1♎ 5'39	11♑10	24♎10	9♍30	2♋14	17♓43	6♒53	18♓ 8	23♈ 6	8♒42	18♌12	16♌34	28♉28	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n49	18s22	4n41	7n16	0n29	20n20	0n46	23n27	0n17	5s 2	1s47	20s 7	1s46	5s 0	0s47	7n27	2s 1	31s39	14s 2	15n20	15n36	14n21		n.a.
T 2	10 27	19 47	3 57	6 32	0 23	20 5	0 49	23 31	0 19	5 5	1 47	20 8	1 46	5 1	0 47	7 26	2 1	31 40	14 2	15 20	15 37	14 23		n.a.
W 3	10 5	19 59	3 0	5 48	0 16	19 49	0 51	23 35	0 20	5 8	1 47	20 9	1 46	5 2	0 47	7 26	2 1	31 40	14 1	15 19	15 38	14 25		n.a.
T 4	9 43	18 57	1 53	5 4	0 9	19 32	0 53	23 39	0 21	5 11	1 47	20 10	1 46	5 3	0 47	7 25	2 1	31 40	14 1	15 19	15 39	14 26		n.a.
F 5	9 21	16 51	0 40	4 21	0 2	19 15	0 55	23 43	0 22	5 14	1 47	20 11	1 46	5 4	0 47	7 25	2 1	31 40	14 1	15 19	15 40	14 28		n.a.
S 6	8 59	13 50	0s34	3 37	0s 5	18 58	0 58	23 47	0 23	5 17	1 47	20 12	1 46	5 5	0 47	7 25	2 1	31 40	14 1	15 19	15 41	14 30		n.a.
S 7	8 37	10 11	1 44	2 53	0 12	18 39	1 0	23 50	0 24	5 20	1 47	20 13	1 46	5 6	0 47	7 24	2 1	31 41	14 1	15 19	15 42	14 31		n.a.
M 8	8 14	6 6	2 48	2 10	0 19	18 20	1 2	23 53	0 26	5 23	1 47	20 14	1 46	5 7	0 47	7 24	2 1	31 41	14 1	15 20	15 43	14 33		n.a.
T 9	7 52	1 50	3 42	1 27	0 26	18 1	1 4	23 57	0 27	5 27	1 47	20 15	1 46	5 8	0 47	7 23	2 2	31 41	14 1	15 21	15 44	14 35		n.a.
W10	7 29	2n26	4 25	0 44	0 33	17 41	1 6	24 0	0 28	5 30	1 48	20 16	1 46	5 9	0 47	7 23	2 2	31 41	14 1	15 22	15 45	14 37		n.a.
T 11	7 6	6 30	4 55	0 1	0 40	17 21	1 8	24 3	0 29	5 33	1 48	20 17	1 46	5 10	0 47	7 22	2 2	31 41	14 0	15 23	15 46	14 38		n.a.
F 12	6 43	10 16	5 11	0s42	0 47	17 0	1 10	24 5	0 30	5 36	1 48	20 17	1 46	5 11	0 47	7 22	2 2	31 41	14 0	15 24	15 47	14 40		n.a.
S 13	6 20	13 35	5 13	1 24	0 54	16 38	1 11	24 8	0 32	5 39	1 48	20 18	1 46	5 12	0 47	7 21	2 2	31 41	14 0	15 25	15 48	14 42		n.a.
S 14	5 56	16 20	5 2	2 5	1 1	16 17	1 13	24 11	0 33	5 43	1 48	20 19	1 46	5 13	0 47	7 21	2 2	31 42	14 0	15 26	15 49	14 43		n.a.
M15	5 33	18 25	4 38	2 47	1 8	15 54	1 15	24 13	0 34	5 46	1 48	20 20	1 46	5 14	0 47	7 20	2 2	31 42	14 0	15 26	15 50	14 45		n.a.
T 16	5 9	19 42	4 2	3 28	1 15	15 31	1 16	24 16	0 35	5 49	1 48	20 21	1 46	5 15	0 47	7 20	2 2	31 42	14 0	15 26	15 51	14 47		n.a.
W17	4 46	20 6	3 14	4 8	1 21	15 8	1 18	24 18	0 37	5 52	1 48	20 21	1 45	5 16	0 47	7 19	2 2	31 42	13 59	15 25	15 52	14 48		n.a.
T 18	4 22	19 32	2 17	4 48	1 28	14 44	1 19	24 20	0 38	5 56	1 48	20 22	1 45	5 17	0 47	7 19	2 2	31 42	13 59	15 25	15 53	14 50		n.a.
F 19	3 58	17 58	1 11	5 28	1 35	14 20	1 20	24 22	0 39	5 59	1 48	20 23	1 45	5 18	0 47	7 18	2 2	31 42	13 59	15 24	15 54	14 52		n.a.
S 20	3 35	15 24	0 0	6 7	1 41	13 56	1 22	24 24	0 41	6 2	1 48	20 23	1 45	5 18	0 47	7 18	2 2	31 42	13 59	15 24	15 54	14 53		n.a.
S 21	3 11	11 57	1n13	6 45	1 48	13 31	1 23	24 26	0 42	6 5	1 48	20 24	1 45	5 19	0 47	7 17	2 2	31 42	13 59	15 24	15 55	14 55		n.a.
M22	2 47	7 44	2 24	7 23	1 54	13 5	1 24	24 28	0 43	6 8	1 48	20 24	1 45	5 20	0 47	7 16	2 2	31 42	13 58	15 25	15 56	14 57		n.a.
T 23	2 23	3 1	3 27	8 0	2 0	12 40	1 25	24 29	0 45	6 12	1 47	20 25	1 45	5 21	0 47	7 16	2 2	31 42	13 58	15 26	15 57	14 58		n.a.
W24	1 59	1s58	4 18	8 36	2 6	12 13	1 26	24 31	0 46	6 15	1 47	20 26	1 45	5 22	0 47	7 15	2 2	31 42	13 58	15 28	15 58	15 0		n.a.
T 25	1 35	6 52	4 53	9 12	2 11	11 47	1 27	24 32	0 48	6 18	1 47	20 26	1 45	5 23	0 47	7 15	2 2	31 42	13 58	15 30	15 59	15 1		n.a.
F 26	1 10	11 22	5 9	9 46	2 17	11 20	1 28	24 34	0 49	6 21	1 47	20 27	1 45	5 24	0 47	7 14	2 2	31 42	13 58	15 31	16 0	15 3		n.a.
S 27	0 46	15 10	5 5	10 20	2 22	10 53	1 29	24 35	0 50	6 24	1 47	20 27	1 45	5 25	0 47	7 14	2 2	31 42	13 57	15 33	16 1	15 5		n.a.
S 28	0 22	18 0	4 41	10 52	2 27	10 26	1 29	24 36	0 52	6 27	1 47	20 27	1 45	5 26	0 47	7 13	2 2	31 42	13 57	15 34	16 2	15 6		n.a.
M29	0s 2	19 42	4 1	11 23	2 31	9 58	1 30	24 37	0 53	6 30	1 47	20 28	1 45	5 27	0 47	7 12	2 2	31 42	13 57	15 34	16 3	15 8		n.a.
T 30	0s26	20s10	3n 7	11s53	2s35	9n30	1n31	24n38	0n55	6s33	1s47	20s28	1s44	5s28	0s47	7n12	2s 2	31s42	13s57	15n34	16n 4	15n10		n.a.

Julian Day Number = 1567530.5, Delta T = 04h19m56s
Ecliptic obliquity = 23°44'40, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'28, Lahiri = - 9°46'27 Julian Calendar 1 Sept. 422 BCE == Greg. Calendar 27 Aug. 422 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

OCTOBER 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 15 17	2♎ 5'52	24♉50	25♎18	10♍45	2♋40	17°R36	6°R52	18°R 6	23°R 4	8°R42	18♌14	16♌31	28♉35	n.a.	W 1
T 2	0 19 14	3° 6'06	8♒15	26°23	12° 0	3° 6	17♓28	6♒50	18♓ 4	23♈ 3	8♒41	18°15	16°28	28°42	n.a.	T 2
F 3	0 23 10	4° 6'22	21°27	27°26	13°15	3°33	17°21	6°49	18° 1	23° 1	8°40	18°R15	16°25	28°48	n.a.	F 3
S 4	0 27 7	5° 6'39	4♓26	28°26	14°30	3°58	17°13	6°47	17°59	22°59	8°40	18°14	16°22	28°55	n.a.	S 4
S 5	0 31 3	6° 6'58	17°14	29°22	15°45	4°24	17° 6	6°46	17°57	22°58	8°39	18°10	16°18	29° 2	n.a.	S 5
M 6	0 35 0	7° 7'19	29°52	0♏15	17° 0	4°49	16°59	6°45	17°54	22°56	8°39	18° 4	16°15	29° 8	n.a.	M 6
T 7	0 38 57	8° 7'42	12♈19	1° 4	18°16	5°14	16°52	6°44	17°52	22°55	8°38	17°56	16°12	29°15	n.a.	T 7
W 8	0 42 53	9° 8'06	24°36	1°48	19°31	5°38	16°45	6°43	17°50	22°53	8°37	17°46	16° 9	29°22	n.a.	W 8
T 9	0 46 50	10° 8'32	6♉43	2°28	20°46	6° 3	16°38	6°42	17°48	22°51	8°37	17°36	16° 6	29°29	n.a.	T 9
F 10	0 50 46	11° 9'00	18°43	3° 1	22° 1	6°26	16°31	6°41	17°46	22°50	8°36	17°26	16° 2	29°35	n.a.	F 10
S 11	0 54 43	12° 9'30	0♊36	3°28	23°16	6°50	16°25	6°41	17°43	22°48	8°36	17°17	15°59	29°42	n.a.	S 11
S 12	0 58 39	13°10'02	12°27	3°48	24°31	7°13	16°18	6°40	17°41	22°46	8°36	17°10	15°56	29°49	n.a.	S 12
M13	1 2 36	14°10'36	24°18	4° 1	25°47	7°36	16°12	6°40	17°39	22°45	8°35	17° 5	15°53	29°55	n.a.	M13
T 14	1 6 32	15°11'12	6♋15	4°R 5	27° 2	7°59	16° 6	6°39	17°37	22°43	8°35	17° 3	15°50	0♊ 2	n.a.	T 14
W15	1 10 29	16°11'50	18°21	4° 0	28°17	8°21	16° 0	6°39	17°35	22°41	8°34	17°D 2	15°47	0° 9	n.a.	W15
T 16	1 14 26	17°12'29	0♌42	3°45	29°33	8°43	15°54	6°D39	17°33	22°40	8°34	17° 3	15°43	0°16	n.a.	T 16
F 17	1 18 22	18°13'10	13°23	3°20	0♎48	9° 4	15°48	6°39	17°31	22°38	8°34	17°R 4	15°40	0°22	n.a.	F 17
S 18	1 22 19	19°13'53	26°29	2°44	2° 3	9°25	15°42	6°39	17°29	22°36	8°34	17° 3	15°37	0°29	n.a.	S 18
S 19	1 26 15	20°14'38	10♍ 3	1°58	3°19	9°46	15°37	6°40	17°27	22°34	8°33	17° 1	15°34	0°36	n.a.	S 19
M20	1 30 12	21°15'25	24° 6	1° 2	4°34	10° 6	15°32	6°40	17°25	22°33	8°33	16°56	15°31	0°43	n.a.	M20
T 21	1 34 8	22°16'13	8♎35	29♎57	5°50	10°26	15°27	6°40	17°23	22°31	8°33	16°49	15°28	0°49	n.a.	T 21
W22	1 38 5	23°17'02	23°25	28°45	7° 5	10°45	15°22	6°41	17°21	22°29	8°33	16°39	15°24	0°56	n.a.	W22
T 23	1 42 1	24°17'53	8♏28	27°27	8°21	11° 4	15°17	6°42	17°19	22°28	8°33	16°28	15°21	1° 3	n.a.	T 23
F 24	1 45 58	25°18'45	23°34	26° 5	9°36	11°22	15°13	6°42	17°18	22°26	8°32	16°18	15°18	1° 9	n.a.	F 24
S 25	1 49 55	26°19'39	8♐33	24°43	10°51	11°40	15° 8	6°43	17°16	22°24	8°32	16° 9	15°15	1°16	n.a.	S 25
S 26	1 53 51	27°20'33	23°16	23°24	12° 7	11°58	15° 4	6°44	17°14	22°23	8°32	16° 2	15°12	1°23	n.a.	S 26
M27	1 57 48	28°21'29	7♑38	22° 9	13°22	12°15	15° 0	6°45	17°13	22°21	8°32	15°58	15° 8	1°30	n.a.	M27
T 28	2 1 44	29°22'26	21°37	21° 1	14°38	12°32	14°56	6°46	17°11	22°19	8°32	15°57	15° 5	1°36	n.a.	T 28
W29	2 5 41	0♏23'23	5♒13	20° 2	15°53	12°48	14°53	6°48	17° 9	22°17	8°D32	15°D57	15° 2	1°43	n.a.	W29
T 30	2 9 37	1°24'21	18°28	19°14	17° 9	13° 3	14°49	6°49	17° 8	22°16	8°32	15°R57	14°59	1°50	n.a.	T 30
F 31	2 13 34	2♏25'20	1♓26	18♎37	18♎25	13♋19	14♓46	6♒51	17♓ 6	22♈14	8♒32	15♌56	14♌56	1♊56	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	0s51	19s25	2n 3	12s22	2s39	9n 2	1n31	24n39	0n56	6s36	1s47	20s29	1s44	5s29	0s47	7n11	2s 2	31s42	13s56	15n34	16n 5	15n11		n.a.
T 2	1 15	17 34	0 54	12 50	2 42	8 33	1 32	24 40	0 58	6 39	1 47	20 29	1 44	5 30	0 47	7 11	2 2	31 42	13 56	15 33	16 6	15 13		n.a.
F 3	1 39	14 48	0s17	13 15	2 45	8 4	1 32	24 41	0 59	6 42	1 46	20 29	1 44	5 31	0 47	7 10	2 2	31 42	13 56	15 33	16 7	15 15		n.a.
S 4	2 3	11 20	1 26	13 39	2 48	7 35	1 32	24 42	1 1	6 44	1 46	20 29	1 44	5 32	0 47	7 9	2 2	31 42	13 56	15 34	16 8	15 16		n.a.
S 5	2 28	7 24	2 30	14 1	2 49	7 6	1 32	24 43	1 2	6 47	1 46	20 30	1 44	5 33	0 47	7 9	2 2	31 42	13 55	15 35	16 9	15 18		n.a.
M 6	2 52	3 11	3 25	14 21	2 50	6 37	1 32	24 43	1 4	6 50	1 46	20 30	1 44	5 33	0 47	7 8	2 2	31 42	13 55	15 37	16 10	15 19		n.a.
T 7	3 16	1n 7	4 9	14 39	2 51	6 7	1 33	24 44	1 6	6 52	1 46	20 30	1 44	5 34	0 47	7 8	2 2	31 42	13 55	15 39	16 11	15 21		n.a.
W 8	3 40	5 18	4 41	14 54	2 50	5 37	1 33	24 45	1 7	6 55	1 46	20 30	1 44	5 35	0 47	7 7	2 2	31 42	13 55	15 42	16 12	15 23		n.a.
T 9	4 4	9 13	5 0	15 7	2 49	5 7	1 32	24 45	1 9	6 57	1 46	20 30	1 44	5 36	0 47	7 6	2 2	31 42	13 54	15 45	16 13	15 24		n.a.
F 10	4 28	12 43	5 5	15 16	2 46	4 37	1 32	24 46	1 11	7 0	1 45	20 30	1 44	5 37	0 47	7 6	2 2	31 42	13 54	15 48	16 14	15 26		n.a.
S 11	4 52	15 42	4 57	15 23	2 43	4 7	1 32	24 46	1 12	7 2	1 45	20 30	1 43	5 38	0 47	7 5	2 2	31 41	13 54	15 51	16 15	15 28		n.a.
S 12	5 16	18 1	4 36	15 25	2 38	3 36	1 32	24 46	1 14	7 5	1 45	20 30	1 43	5 39	0 47	7 4	2 2	31 41	13 54	15 53	16 16	15 29		n.a.
M13	5 40	19 34	4 4	15 24	2 32	3 6	1 31	24 47	1 16	7 7	1 45	20 30	1 43	5 39	0 47	7 4	2 3	31 41	13 53	15 55	16 17	15 31		n.a.
T 14	6 3	20 16	3 20	15 18	2 25	2 35	1 31	24 47	1 17	7 9	1 45	20 30	1 43	5 40	0 47	7 3	2 3	31 41	13 53	15 55	16 18	15 32		n.a.
W15	6 27	20 2	2 27	15 8	2 16	2 4	1 30	24 48	1 19	7 11	1 44	20 30	1 43	5 41	0 47	7 3	2 3	31 41	13 53	15 56	16 19	15 34		n.a.
T 16	6 50	18 51	1 26	14 53	2 5	1 33	1 30	24 48	1 21	7 14	1 44	20 30	1 43	5 42	0 47	7 2	2 3	31 41	13 52	15 55	16 20	15 36		n.a.
F 17	7 14	16 42	0 20	14 33	1 53	1 2	1 29	24 48	1 23	7 16	1 44	20 30	1 43	5 42	0 47	7 1	2 3	31 40	13 52	15 55	16 21	15 37		n.a.
S 18	7 37	13 38	0n50	14 8	1 39	0 31	1 29	24 49	1 24	7 18	1 44	20 30	1 43	5 43	0 47	7 1	2 3	31 40	13 52	15 55	16 21	15 39		n.a.
S 19	8 1	9 44	1 59	13 37	1 24	0 0	1 28	24 49	1 26	7 19	1 43	20 30	1 43	5 44	0 47	7 0	2 3	31 40	13 52	15 56	16 22	15 40		n.a.
M20	8 24	5 11	3 4	13 1	1 6	0s31	1 27	24 49	1 28	7 21	1 43	20 30	1 42	5 45	0 47	6 59	2 3	31 40	13 51	15 58	16 23	15 42		n.a.
T 21	8 47	0 12	3 58	12 20	0 48	1 2	1 26	24 50	1 30	7 23	1 43	20 30	1 42	5 45	0 47	6 59	2 3	31 40	13 51	16 0	16 24	15 44		n.a.
W22	9 9	4s55	4 38	11 36	0 28	1 33	1 25	24 50	1 32	7 25	1 43	20 29	1 42	5 46	0 47	6 58	2 3	31 39	13 51	16 3	16 25	15 45		n.a.
T 23	9 32	9 47	4 59	10 49	0 8	2 4	1 24	24 50	1 34	7 26	1 42	20 29	1 42	5 47	0 46	6 57	2 3	31 39	13 50	16 6	16 26	15 47		n.a.
F 24	9 55	14 4	5 0	10 0	0n13	2 35	1 23	24 51	1 36	7 28	1 42	20 29	1 42	5 48	0 46	6 57	2 3	31 39	13 50	16 9	16 27	15 48		n.a.
S 25	10 17	17 24	4 40	9 11	0 34	3 6	1 22	24 51	1 38	7 29	1 42	20 28	1 42	5 48	0 46	6 56	2 3	31 39	13 50	16 12	16 28	15 50		n.a.
S 26	10 39	19 33	4 1	8 22	0 53	3 37	1 21	24 51	1 40	7 31	1 41	20 28	1 42	5 49	0 46	6 56	2 3	31 38	13 50	16 14	16 29	15 52		n.a.
M27	11 2	20 23	3 8	7 37	1 12	4 8	1 20	24 52	1 42	7 32	1 41	20 28	1 42	5 49	0 46	6 55	2 2	31 38	13 49	16 15	16 30	15 53		n.a.
T 28	11 23	19 55	2 5	6 56	1 29	4 38	1 18	24 52	1 44	7 33	1 41	20 27	1 42	5 50	0 46	6 54	2 2	31 38	13 49	16 16	16 31	15 55		n.a.
W29	11 45	18 17	0 57	6 19	1 44	5 9	1 17	24 53	1 46	7 34	1 41	20 27	1 41	5 51	0 46	6 54	2 2	31 38	13 49	16 16	16 32	15 56		n.a.
T 30	12 7	15 42	0s13	5 49	1 58	5 40	1 15	24 53	1 48	7 35	1 40	20 26	1 41	5 51	0 46	6 53	2 2	31 37	13 48	16 16	16 33	15 58		n.a.
F 31	12s28	12s22	1s21	5s24	2n 9	6s10	1n14	24n54	1n50	7s36	1s40	20s26	1s41	5s52	0s46	6n52	2s 2	31s37	13s48	16n16	16n34	15n59		n.a.

Julian Day Number = 1567560.5, Delta T = 04h19m55s
Ecliptic obliquity = 23°44'40, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'23, Lahiri = - 9°46'23 Julian Calendar 1 Oct. 422 BCE == Greg. Calendar 26 Sept. 422 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

NOVEMBER 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 17 30	3♏26'20	14♓ 8	18°R11	19♎40	13♋33	14°R43	6♒52	17°R 5	22°R12	8♒32	15°R53	14♌53	2♊ 3	n.a.	S 1
S 2	2 21 27	4°27'21	26°39	17♎57	20°56	13°47	14♓40	6°54	17♓ 3	22♈11	8°32	15♌47	14°49	2°10	n.a.	S 2
M 3	2 25 24	5°28'22	9♈ 0	17°D54	22°11	14° 1	14°38	6°56	17° 2	22° 9	8°32	15°38	14°46	2°17	n.a.	M 3
T 4	2 29 20	6°29'24	21°13	18° 1	23°27	14°14	14°35	6°58	17° 1	22° 8	8°33	15°26	14°43	2°23	n.a.	T 4
W 5	2 33 17	7°30'28	3♉19	18°18	24°42	14°26	14°33	7° 0	16°59	22° 6	8°33	15°12	14°40	2°30	n.a.	W 5
T 6	2 37 13	8°31'32	15°19	18°44	25°58	14°38	14°31	7° 2	16°58	22° 4	8°33	14°57	14°37	2°37	n.a.	T 6
F 7	2 41 10	9°32'37	27°14	19°17	27°13	14°49	14°29	7° 4	16°57	22° 3	8°33	14°42	14°34	2°43	n.a.	F 7
S 8	2 45 6	10°33'43	9♊ 6	19°58	28°29	15° 0	14°28	7° 6	16°56	22° 1	8°33	14°29	14°30	2°50	n.a.	S 8
S 9	2 49 3	11°34'50	20°57	20°45	29°44	15°10	14°26	7° 9	16°54	21°59	8°34	14°18	14°27	2°57	n.a.	S 9
M10	2 52 59	12°35'58	2♋48	21°37	1♏ 0	15°19	14°25	7°11	16°53	21°58	8°34	14°10	14°24	3° 4	n.a.	M10
T 11	2 56 56	13°37'07	14°43	22°34	2°16	15°28	14°24	7°14	16°52	21°56	8°34	14° 5	14°21	3°10	n.a.	T 11
W12	3 0 53	14°38'17	26°47	23°36	3°31	15°36	14°23	7°17	16°51	21°55	8°35	14° 2	14°18	3°17	n.a.	W12
T 13	3 4 49	15°39'28	9♌ 4	24°41	4°47	15°44	14°23	7°20	16°50	21°53	8°35	14° 2	14°14	3°24	n.a.	T 13
F 14	3 8 46	16°40'39	21°39	25°49	6° 2	15°50	14°23	7°23	16°49	21°52	8°35	14° 2	14°11	3°30	n.a.	F 14
S 15	3 12 42	17°41'52	4♍38	27° 1	7°18	15°56	14°D22	7°26	16°49	21°50	8°36	14° 1	14° 8	3°37	n.a.	S 15
S 16	3 16 39	18°43'05	18° 5	28°14	8°33	16° 2	14°23	7°29	16°48	21°49	8°36	13°59	14° 5	3°44	n.a.	S 16
M17	3 20 35	19°44'19	2♎ 2	29°30	9°49	16° 7	14°23	7°32	16°47	21°47	8°37	13°54	14° 2	3°51	n.a.	M17
T 18	3 24 32	20°45'34	16°29	0♏48	11° 5	16°11	14°23	7°35	16°46	21°46	8°37	13°46	13°59	3°57	n.a.	T 18
W19	3 28 28	21°46'49	1♏22	2° 7	12°20	16°14	14°24	7°39	16°46	21°44	8°38	13°35	13°55	4° 4	n.a.	W19
T 20	3 32 25	22°48'05	16°35	3°28	13°36	16°16	14°25	7°42	16°45	21°43	8°38	13°24	13°52	4°11	n.a.	T 20
F 21	3 36 22	23°49'21	1♐55	4°50	14°51	16°18	14°26	7°46	16°45	21°42	8°39	13°12	13°49	4°17	n.a.	F 21
S 22	3 40 18	24°50'38	17°12	6°13	16° 7	16°19	14°27	7°50	16°44	21°40	8°40	13° 2	13°46	4°24	n.a.	S 22
S 23	3 44 15	25°51'55	2♑15	7°37	17°23	16°R19	14°29	7°53	16°44	21°39	8°40	12°54	13°43	4°31	n.a.	S 23
M24	3 48 11	26°53'11	16°55	9° 2	18°38	16°19	14°31	7°57	16°43	21°38	8°41	12°49	13°39	4°38	n.a.	M24
T 25	3 52 8	27°54'28	1♒ 8	10°28	19°54	16°17	14°33	8° 1	16°43	21°36	8°42	12°47	13°36	4°44	n.a.	T 25
W26	3 56 4	28°55'45	14°52	11°55	21° 9	16°15	14°35	8° 5	16°42	21°35	8°42	12°D47	13°33	4°51	n.a.	W26
T 27	4 0 1	29°57'01	28°11	13°22	22°25	16°12	14°37	8°10	16°42	21°34	8°43	12°R47	13°30	4°58	n.a.	T 27
F 28	4 3 58	0♑58'17	11♓ 6	14°50	23°40	16° 8	14°40	8°14	16°42	21°32	8°44	12°46	13°27	5° 4	n.a.	F 28
S 29	4 7 54	1°59'33	23°43	16°18	24°56	16° 4	14°42	8°18	16°42	21°31	8°44	12°44	13°24	5°11	n.a.	S 29
S 30	4 11 51	3♑ 0'48	6♈ 5	17♏47	26♏11	15♋59	14♓45	8♒22	16♓42	21♈30	8♒45	12♌40	13♌20	5♊18	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s49	8s31	2s23	5s 6	2n18	6s40	1n12	24n54	1n52	7s37	1s40	20s25	1s41	5s52	0s46	6n52	2s 2	31s37	13s48	16n17	16n35	16n 1		n.a.
S 2	13 10	4 22	3 17	4 54	2 25	7 11	1 11	24 55	1 54	7 38	1 39	20 25	1 41	5 53	0 46	6 51	2 2	31 36	13 47	16 19	16 36	16 3		n.a.
M 3	13 31	0 5	4 1	4 47	2 31	7 41	1 9	24 56	1 57	7 39	1 39	20 24	1 41	5 53	0 46	6 51	2 2	31 36	13 47	16 21	16 37	16 4		n.a.
T 4	13 51	4n 9	4 34	4 47	2 34	8 10	1 8	24 57	1 59	7 40	1 39	20 24	1 41	5 54	0 46	6 50	2 2	31 36	13 47	16 25	16 38	16 6		n.a.
W 5	14 11	8 11	4 53	4 51	2 37	8 40	1 6	24 57	2 1	7 40	1 39	20 23	1 41	5 54	0 46	6 49	2 2	31 35	13 47	16 29	16 39	16 7		n.a.
T 6	14 31	11 52	4 59	5 0	2 37	9 10	1 4	24 58	2 3	7 41	1 38	20 22	1 41	5 55	0 46	6 49	2 2	31 35	13 46	16 33	16 39	16 9		n.a.
F 7	14 51	15 3	4 52	5 14	2 37	9 39	1 2	24 59	2 6	7 41	1 38	20 22	1 40	5 55	0 46	6 48	2 2	31 35	13 46	16 38	16 40	16 10		n.a.
S 8	15 11	17 36	4 33	5 31	2 35	10 8	1 0	25 0	2 8	7 41	1 38	20 21	1 40	5 56	0 46	6 48	2 2	31 34	13 46	16 42	16 41	16 12		n.a.
S 9	15 30	19 25	4 1	5 51	2 33	10 37	0 59	25 2	2 10	7 42	1 37	20 20	1 40	5 56	0 46	6 47	2 2	31 34	13 45	16 45	16 42	16 14		n.a.
M10	15 49	20 24	3 19	6 14	2 29	11 5	0 57	25 3	2 13	7 42	1 37	20 19	1 40	5 57	0 46	6 47	2 2	31 34	13 45	16 47	16 43	16 15		n.a.
T 11	16 8	20 28	2 28	6 39	2 25	11 33	0 55	25 4	2 15	7 42	1 37	20 19	1 40	5 57	0 46	6 46	2 2	31 33	13 45	16 49	16 44	16 17		n.a.
W12	16 26	19 36	1 30	7 6	2 21	12 1	0 53	25 6	2 17	7 42	1 36	20 18	1 40	5 57	0 46	6 45	2 2	31 33	13 44	16 49	16 45	16 18		n.a.
T 13	16 44	17 48	0 26	7 35	2 16	12 29	0 51	25 7	2 20	7 42	1 36	20 17	1 40	5 58	0 46	6 45	2 2	31 32	13 44	16 50	16 46	16 20		n.a.
F 14	17 2	15 6	0n40	8 5	2 10	12 56	0 49	25 9	2 22	7 42	1 36	20 16	1 40	5 58	0 46	6 44	2 2	31 32	13 44	16 50	16 47	16 21		n.a.
S 15	17 20	11 35	1 47	8 37	2 4	13 23	0 47	25 10	2 25	7 41	1 35	20 15	1 40	5 58	0 46	6 44	2 2	31 32	13 44	16 50	16 48	16 23		n.a.
S 16	17 37	7 22	2 50	9 9	1 58	13 50	0 44	25 12	2 27	7 41	1 35	20 14	1 40	5 59	0 46	6 43	2 2	31 31	13 43	16 51	16 49	16 24		n.a.
M17	17 54	2 37	3 45	9 42	1 51	14 16	0 42	25 14	2 30	7 41	1 35	20 13	1 39	5 59	0 46	6 43	2 2	31 31	13 43	16 52	16 50	16 26		n.a.
T 18	18 10	2s27	4 28	10 16	1 44	14 42	0 40	25 16	2 32	7 40	1 34	20 12	1 39	5 59	0 46	6 42	2 2	31 30	13 43	16 54	16 51	16 27		n.a.
W19	18 27	7 31	4 54	10 50	1 37	15 8	0 38	25 18	2 35	7 39	1 34	20 11	1 39	5 59	0 46	6 42	2 2	31 30	13 42	16 57	16 52	16 29		n.a.
T 20	18 42	12 13	5 0	11 25	1 30	15 33	0 36	25 21	2 37	7 39	1 34	20 10	1 39	6 0	0 46	6 41	2 2	31 30	13 42	17 1	16 52	16 30		n.a.
F 21	18 58	16 10	4 45	12 0	1 23	15 58	0 33	25 23	2 40	7 38	1 33	20 9	1 39	6 0	0 45	6 41	2 2	31 29	13 42	17 4	16 53	16 32		n.a.
S 22	19 13	18 59	4 9	12 34	1 16	16 23	0 31	25 25	2 43	7 37	1 33	20 8	1 39	6 0	0 45	6 40	2 2	31 29	13 42	17 7	16 54	16 34		n.a.
S 23	19 28	20 27	3 17	13 9	1 8	16 46	0 29	25 28	2 45	7 36	1 33	20 7	1 39	6 0	0 45	6 40	2 2	31 28	13 41	17 9	16 55	16 35		n.a.
M24	19 43	20 28	2 12	13 44	1 1	17 10	0 26	25 31	2 48	7 35	1 32	20 6	1 39	6 0	0 45	6 39	2 2	31 28	13 41	17 11	16 56	16 37		n.a.
T 25	19 57	19 10	1 1	14 18	0 53	17 33	0 24	25 33	2 51	7 34	1 32	20 5	1 39	6 0	0 45	6 39	2 2	31 27	13 41	17 11	16 57	16 38		n.a.
W26	20 10	16 45	0s11	14 52	0 46	17 56	0 22	25 36	2 53	7 33	1 32	20 4	1 39	6 0	0 45	6 38	2 2	31 27	13 40	17 11	16 58	16 40		n.a.
T 27	20 24	13 31	1 21	15 26	0 39	18 18	0 19	25 39	2 56	7 32	1 31	20 2	1 38	6 0	0 45	6 38	2 2	31 26	13 40	17 11	16 59	16 41		n.a.
F 28	20 37	9 43	2 24	16 0	0 31	18 39	0 17	25 42	2 59	7 31	1 31	20 1	1 38	6 0	0 45	6 38	2 2	31 26	13 40	17 11	17 0	16 43		n.a.
S 29	20 49	5 34	3 19	16 33	0 24	19 0	0 15	25 46	3 1	7 29	1 31	20 0	1 38	6 0	0 45	6 37	2 1	31 25	13 40	17 12	17 1	16 44		n.a.
S 30	21s 2	1s16	4s 3	17s 5	0n17	19s21	0n12	25n49	3n 4	7s28	1s30	19s59	1s38	6s 0	0s45	6n37	2s 1	31s25	13s39	17n13	17n 2	16n46		n.a.

Julian Day Number = 1567591.5, Delta T = 04h19m54s
Ecliptic obliquity = 23°44'40, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'19, Lahiri = - 9°46'19 Julian Calendar 1 Nov. 422 BCE == Greg. Calendar 27 Oct. 422 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 422 BCE
geocentric

DECEMBER 422 BCE (-421) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 15 47	4♐ 2'03	18♈15	19♏16	27♏27	15°R52	14♓49	8♒27	16°D42	21°R29	8♒46	12°R32	13♌17	5♊25	n.a.	M 1
T 2	4 19 44	5° 3'18	0♉18	20°46	28°42	15♋45	14°52	8°32	16♓42	21♈28	8°47	12♌22	13°14	5°31	n.a.	T 2
W 3	4 23 40	6° 4'33	12°16	22°16	29°58	15°38	14°55	8°36	16°42	21°27	8°48	12°10	13°11	5°38	n.a.	W 3
T 4	4 27 37	7° 5'47	24°10	23°47	1♑13	15°29	14°59	8°41	16°42	21°26	8°49	11°56	13° 8	5°45	n.a.	T 4
F 5	4 31 33	8° 7'01	6♊ 2	25°18	2°29	15°20	15° 3	8°46	16°42	21°24	8°49	11°43	13° 5	5°51	n.a.	F 5
S 6	4 35 30	9° 8'15	17°54	26°49	3°44	15°10	15° 7	8°51	16°42	21°23	8°50	11°31	13° 1	5°58	n.a.	S 6
S 7	4 39 27	10° 9'29	29°47	28°21	5° 0	14°59	15°12	8°56	16°43	21°22	8°51	11°22	12°58	6° 5	n.a.	S 7
M 8	4 43 23	11°10'42	11♋42	29°53	6°15	14°47	15°16	9° 1	16°43	21°21	8°52	11°15	12°55	6°12	n.a.	M 8
T 9	4 47 20	12°11'55	23°42	1♑26	7°31	14°34	15°21	9° 6	16°43	21°21	8°53	11°10	12°52	6°18	n.a.	T 9
W10	4 51 16	13°13'08	5♌50	2°59	8°46	14°21	15°26	9°11	16°44	21°20	8°54	11°D 9	12°49	6°25	n.a.	W10
T 11	4 55 13	14°14'21	18°10	4°33	10° 2	14° 7	15°31	9°16	16°44	21°19	8°55	11° 9	12°45	6°32	n.a.	T 11
F 12	4 59 9	15°15'33	0♍45	6° 7	11°17	13°52	15°36	9°21	16°45	21°18	8°56	11°10	12°42	6°38	n.a.	F 12
S 13	5 3 6	16°16'45	13°39	7°41	12°32	13°36	15°41	9°27	16°45	21°17	8°57	11°R10	12°39	6°45	n.a.	S 13
S 14	5 7 2	17°17'57	26°58	9°16	13°48	13°20	15°47	9°32	16°46	21°16	8°58	11°10	12°36	6°52	n.a.	S 14
M15	5 10 59	18°19'08	10♎43	10°52	15° 3	13° 3	15°53	9°38	16°47	21°15	9° 0	11° 8	12°33	6°59	n.a.	M15
T 16	5 14 56	19°20'19	24°56	12°28	16°19	12°45	15°59	9°43	16°47	21°15	9° 1	11° 3	12°30	7° 5	n.a.	T 16
W17	5 18 52	20°21'30	9♏36	14° 4	17°34	12°27	16° 5	9°49	16°48	21°14	9° 2	10°57	12°26	7°12	n.a.	W17
T 18	5 22 49	21°22'40	24°37	15°41	18°49	12° 7	16°11	9°55	16°49	21°13	9° 3	10°49	12°23	7°19	n.a.	T 18
F 19	5 26 45	22°23'50	9♐52	17°19	20° 5	11°48	16°17	10° 1	16°50	21°13	9° 4	10°41	12°20	7°25	n.a.	F 19
S 20	5 30 42	23°24'59	25° 9	18°57	21°20	11°28	16°24	10° 7	16°51	21°12	9° 5	10°34	12°17	7°32	n.a.	S 20
S 21	5 34 38	24°26'07	10♑17	20°36	22°36	11° 7	16°31	10°13	16°52	21°11	9° 7	10°29	12°14	7°39	n.a.	S 21
M22	5 38 35	25°27'14	25° 7	22°15	23°51	10°46	16°38	10°18	16°53	21°11	9° 8	10°25	12°11	7°46	n.a.	M22
T 23	5 42 32	26°28'20	9♒33	23°55	25° 6	10°24	16°45	10°25	16°54	21°10	9° 9	10°D24	12° 7	7°52	n.a.	T 23
W24	5 46 28	27°29'25	23°30	25°35	26°22	10° 2	16°52	10°31	16°55	21°10	9°10	10°25	12° 4	7°59	n.a.	W24
T 25	5 50 25	28°30'29	6♓59	27°16	27°37	9°39	17° 0	10°37	16°56	21° 9	9°12	10°26	12° 1	8° 6	n.a.	T 25
F 26	5 54 21	29°31'31	20° 2	28°58	28°52	9°16	17° 7	10°43	16°58	21° 9	9°13	10°28	11°58	8°12	n.a.	F 26
S 27	5 58 18	0♑32'32	2♈42	0♑41	0♑ 7	8°53	17°15	10°49	16°59	21° 9	9°14	10°R28	11°55	8°19	n.a.	S 27
S 28	6 2 14	1°33'31	15° 4	2°24	1°23	8°30	17°23	10°56	17° 0	21° 8	9°15	10°27	11°51	8°26	n.a.	S 28
M29	6 6 11	2°34'29	27°13	4° 7	2°38	8° 6	17°31	11° 2	17° 2	21° 8	9°17	10°24	11°48	8°33	n.a.	M29
T 30	6 10 7	3°35'26	9♉12	5°52	3°53	7°42	17°39	11° 8	17° 3	21° 8	9°18	10°19	11°45	8°39	n.a.	T 30
W31	6 14 4	4♑36'21	21♉ 5	7♑36	5♑ 8	7♋18	17♓47	11♒15	17♓ 4	21♈ 7	9♒19	10♌14	11♌42	8♊46	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s13	3n 0	4s36	17s37	0n 9	19s41	0n10	25n52	3n 7	7s26	1s30	19s57	1s38	6s 0	0s45	6n36	2s 1	31s24	13s39	17n16	17n 3	16n47		n.a.
T 2	21 25	7 7	4 55	18 8	0 2	20 0	0 8	25 56	3 9	7 25	1 30	19 56	1 38	6 0	0 45	6 36	2 1	31 24	13 39	17 19	17 4	16 49		n.a.
W 3	21 36	10 55	5 2	18 39	0s 5	20 19	0 5	25 59	3 12	7 23	1 29	19 55	1 38	6 0	0 45	6 36	2 1	31 23	13 39	17 22	17 4	16 50		n.a.
T 4	21 46	14 17	4 55	19 9	0 12	20 37	0 3	26 3	3 15	7 21	1 29	19 54	1 38	6 0	0 45	6 35	2 1	31 23	13 38	17 26	17 5	16 52		n.a.
F 5	21 56	17 4	4 36	19 38	0 19	20 55	0 0	26 7	3 17	7 19	1 29	19 52	1 38	6 0	0 45	6 35	2 1	31 22	13 38	17 29	17 6	16 53		n.a.
S 6	22 6	19 8	4 4	20 6	0 25	21 12	0s 2	26 11	3 20	7 17	1 28	19 51	1 38	6 0	0 45	6 35	2 1	31 22	13 38	17 33	17 7	16 55		n.a.
S 7	22 15	20 23	3 22	20 34	0 32	21 28	0 4	26 15	3 22	7 15	1 28	19 49	1 38	6 0	0 45	6 34	2 1	31 21	13 38	17 35	17 8	16 56		n.a.
M 8	22 24	20 43	2 31	21 0	0 38	21 44	0 7	26 18	3 25	7 13	1 28	19 48	1 38	6 0	0 45	6 34	2 1	31 21	13 37	17 37	17 9	16 58		n.a.
T 9	22 33	20 8	1 32	21 26	0 45	21 59	0 9	26 22	3 28	7 11	1 27	19 46	1 37	6 0	0 45	6 34	2 1	31 20	13 37	17 39	17 10	16 59		n.a.
W10	22 41	18 36	0 28	21 51	0 51	22 14	0 12	26 27	3 30	7 9	1 27	19 45	1 37	5 59	0 45	6 33	2 1	31 20	13 37	17 39	17 11	17 0		n.a.
T 11	22 48	16 10	0n38	22 15	0 57	22 28	0 14	26 31	3 33	7 7	1 27	19 44	1 37	5 59	0 45	6 33	2 1	31 19	13 37	17 39	17 12	17 2		n.a.
F 12	22 55	12 57	1 43	22 37	1 2	22 41	0 16	26 35	3 35	7 4	1 27	19 42	1 37	5 59	0 45	6 33	2 1	31 19	13 36	17 39	17 13	17 3		n.a.
S 13	23 2	9 3	2 45	22 59	1 8	22 54	0 19	26 39	3 38	7 2	1 26	19 40	1 37	5 59	0 45	6 33	2 1	31 18	13 36	17 39	17 14	17 5		n.a.
S 14	23 8	4 35	3 41	23 20	1 13	23 5	0 21	26 43	3 40	7 0	1 26	19 39	1 37	5 58	0 45	6 32	2 1	31 18	13 36	17 39	17 14	17 6		n.a.
M15	23 13	0s14	4 25	23 39	1 18	23 17	0 23	26 47	3 42	6 57	1 26	19 37	1 37	5 58	0 44	6 32	2 1	31 17	13 36	17 39	17 15	17 8		n.a.
T 16	23 19	5 12	4 55	23 57	1 23	23 27	0 25	26 51	3 45	6 54	1 25	19 36	1 37	5 58	0 44	6 32	2 1	31 17	13 35	17 41	17 16	17 9		n.a.
W17	23 23	10 1	5 7	24 14	1 28	23 37	0 28	26 55	3 47	6 52	1 25	19 34	1 37	5 57	0 44	6 32	2 0	31 16	13 35	17 42	17 17	17 11		n.a.
T 18	23 28	14 21	4 58	24 30	1 32	23 46	0 30	26 59	3 49	6 49	1 25	19 33	1 37	5 57	0 44	6 31	2 0	31 16	13 35	17 45	17 18	17 12		n.a.
F 19	23 31	17 47	4 28	24 44	1 37	23 54	0 32	27 3	3 51	6 46	1 24	19 31	1 37	5 57	0 44	6 31	2 0	31 15	13 35	17 47	17 19	17 14		n.a.
S 20	23 35	20 0	3 39	24 57	1 40	24 2	0 34	27 7	3 53	6 43	1 24	19 29	1 37	5 56	0 44	6 31	2 0	31 15	13 35	17 49	17 20	17 15		n.a.
S 21	23 38	20 45	2 35	25 8	1 44	24 8	0 36	27 11	3 55	6 40	1 24	19 28	1 37	5 56	0 44	6 31	2 0	31 14	13 34	17 50	17 21	17 17		n.a.
M22	23 40	20 2	1 22	25 18	1 47	24 14	0 39	27 14	3 57	6 37	1 24	19 26	1 37	5 55	0 44	6 31	2 0	31 14	13 34	17 51	17 22	17 18		n.a.
T 23	23 42	18 1	0 5	25 26	1 50	24 20	0 41	27 18	3 59	6 34	1 23	19 24	1 37	5 55	0 44	6 31	2 0	31 13	13 34	17 51	17 23	17 19		n.a.
W24	23 43	14 58	1s10	25 33	1 53	24 24	0 43	27 22	4 1	6 31	1 23	19 22	1 37	5 54	0 44	6 30	2 0	31 12	13 34	17 51	17 24	17 21		n.a.
T 25	23 44	11 12	2 19	25 38	1 56	24 28	0 45	27 25	4 2	6 28	1 23	19 21	1 36	5 54	0 44	6 30	2 0	31 12	13 34	17 51	17 24	17 22		n.a.
F 26	23 45	7 2	3 18	25 42	1 58	24 31	0 47	27 28	4 4	6 25	1 22	19 19	1 36	5 53	0 44	6 30	2 0	31 11	13 33	17 50	17 25	17 24		n.a.
S 27	23 45	2 40	4 6	25 44	1 59	24 33	0 49	27 31	4 5	6 21	1 22	19 17	1 36	5 53	0 44	6 30	2 0	31 11	13 33	17 50	17 26	17 25		n.a.
S 28	23 44	1n42	4 41	25 44	2 0	24 35	0 51	27 34	4 7	6 18	1 22	19 15	1 36	5 52	0 44	6 30	2 0	31 10	13 33	17 51	17 27	17 27		n.a.
M29	23 43	5 55	5 2	25 42	2 1	24 36	0 53	27 37	4 8	6 15	1 22	19 13	1 36	5 52	0 44	6 30	2 0	31 10	13 33	17 51	17 28	17 28		n.a.
T 30	23 42	9 50	5 11	25 38	2 2	24 36	0 54	27 40	4 9	6 11	1 21	19 12	1 36	5 51	0 44	6 30	2 0	31 9	13 33	17 53	17 29	17 29		n.a.
W31	23s40	13n21	5s 5	25s33	2s 2	24s35	0s56	27n43	4n11	6s 8	1s21	19s10	1s36	5s50	0s44	6n30	2s 0	31s 9	13s33	17n54	17n30	17n31		n.a.

Julian Day Number = 1567621.5, Delta T = 04h19m53s
Ecliptic obliquity = 23°44'40, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'15, Lahiri = - 9°46'15 Julian Calendar 1 Dec. 422 BCE == Greg. Calendar 26 Nov. 422 BCE

The year -421 astronomical counting style corresponds to year 422 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

JANUARY 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 18 1	5♉37'15	2♊56	9♉22	6♉24	6°R54	17♓56	11♒21	17♓ 6	21°R 7	9♒21	10°R 7	11♌39	8♊53	n.a.	T 1
F 2	6 21 57	6°38'08	14°47	11° 8	7°39	6♋30	18° 4	11°28	17° 8	21♈ 7	9°22	10♌ 0	11°36	8°59	n.a.	F 2
S 3	6 25 54	7°38'59	26°41	12°55	8°54	6° 6	18°13	11°35	17° 9	21° 7	9°24	9°54	11°32	9° 6	n.a.	S 3
S 4	6 29 50	8°39'49	8♋39	14°42	10° 9	5°42	18°22	11°41	17°11	21° 7	9°25	9°50	11°29	9°13	n.a.	S 4
M 5	6 33 47	9°40'37	20°43	16°29	11°24	5°19	18°31	11°48	17°13	21° 7	9°26	9°46	11°26	9°19	n.a.	M 5
T 6	6 37 43	10°41'24	2♌54	18°17	12°40	4°55	18°40	11°55	17°14	21° 7	9°28	9°45	11°23	9°26	n.a.	T 6
W 7	6 41 40	11°42'10	15°15	20° 5	13°55	4°31	18°49	12° 1	17°16	21°D 7	9°29	9°D45	11°20	9°33	n.a.	W 7
T 8	6 45 36	12°42'55	27°46	21°53	15°10	4° 8	18°59	12° 8	17°18	21° 7	9°31	9°46	11°17	9°40	n.a.	T 8
F 9	6 49 33	13°43'38	10♍31	23°42	16°25	3°45	19° 8	12°15	17°20	21° 7	9°32	9°47	11°13	9°46	n.a.	F 9
S 10	6 53 30	14°44'20	23°31	25°29	17°40	3°23	19°18	12°22	17°22	21° 7	9°34	9°49	11°10	9°53	n.a.	S 10
S 11	6 57 26	15°45'00	6♎50	27°17	18°55	3° 0	19°28	12°29	17°24	21° 7	9°35	9°50	11° 7	10° 0	n.a.	S 11
M12	7 1 23	16°45'40	20°30	29° 4	20°10	2°38	19°37	12°36	17°26	21° 7	9°37	9°R50	11° 4	10° 6	n.a.	M12
T 13	7 5 19	17°46'18	4♏30	0♒50	21°25	2°17	19°47	12°43	17°28	21° 7	9°38	9°50	11° 1	10°13	n.a.	T 13
W14	7 9 16	18°46'55	18°52	2°34	22°40	1°56	19°58	12°50	17°30	21° 8	9°40	9°48	10°57	10°20	n.a.	W14
T 15	7 13 12	19°47'30	3♐31	4°17	23°55	1°36	20° 8	12°57	17°32	21° 8	9°41	9°45	10°54	10°27	n.a.	T 15
F 16	7 17 9	20°48'04	18°23	5°57	25°10	1°16	20°18	13° 4	17°34	21° 8	9°43	9°43	10°51	10°33	n.a.	F 16
S 17	7 21 5	21°48'37	3♑20	7°35	26°25	0°56	20°29	13°11	17°36	21° 9	9°44	9°40	10°48	10°40	n.a.	S 17
S 18	7 25 2	22°49'08	18°14	9°10	27°40	0°38	20°39	13°19	17°39	21° 9	9°46	9°38	10°45	10°47	n.a.	S 18
M19	7 28 59	23°49'38	2♒57	10°41	28°55	0°20	20°50	13°26	17°41	21° 9	9°48	9°D38	10°42	10°53	n.a.	M19
T 20	7 32 55	24°50'05	17°22	12° 8	0♒10	0° 2	21° 1	13°33	17°43	21°10	9°49	9°38	10°38	11° 0	n.a.	T 20
W21	7 36 52	25°50'31	1♓24	13°29	1°25	29♊45	21°12	13°40	17°46	21°10	9°51	9°38	10°35	11° 7	n.a.	W21
T 22	7 40 48	26°50'54	15° 0	14°45	2°40	29°29	21°23	13°47	17°48	21°11	9°52	9°39	10°32	11°13	n.a.	T 22
F 23	7 44 45	27°51'16	28°11	15°55	3°55	29°14	21°34	13°55	17°51	21°11	9°54	9°41	10°29	11°20	n.a.	F 23
S 24	7 48 41	28°51'35	10♈58	16°58	5°10	28°59	21°45	14° 2	17°53	21°12	9°55	9°41	10°26	11°27	n.a.	S 24
S 25	7 52 38	29°51'52	23°25	17°53	6°25	28°46	21°56	14° 9	17°56	21°13	9°57	9°42	10°23	11°34	n.a.	S 25
M26	7 56 34	0♒52'07	5♉37	18°40	7°40	28°33	22° 7	14°17	17°58	21°13	9°59	9°R42	10°19	11°40	n.a.	M26
T 27	8 0 31	1°52'20	17°36	19°18	8°55	28°20	22°19	14°24	18° 1	21°14	10° 0	9°42	10°16	11°47	n.a.	T 27
W28	8 4 28	2°52'31	29°30	19°48	10° 9	28° 9	22°30	14°31	18° 3	21°15	10° 2	9°41	10°13	11°54	n.a.	W28
T 29	8 8 24	3°52'40	11♊20	20° 8	11°24	27°58	22°42	14°39	18° 6	21°15	10° 3	9°40	10°10	12° 0	n.a.	T 29
F 30	8 12 21	4°52'46	23°12	20°19	12°39	27°48	22°54	14°46	18° 9	21°16	10° 5	9°39	10° 7	12° 7	n.a.	F 30
S 31	8 16 17	5♒52'51	5♋ 9	20°R20	13♒54	27♊39	23♓ 6	14♒54	18♓11	21♈17	10♒ 7	9♌39	10♌ 3	12♊14	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	23s37	16n19	4s47	25s25	2s 1	24s33	0s58	27n45	4n12	6s 4	1s21	19s 8	1s36	5s50	0s44	6n30	1s59	31s 8	13s33	17n56	17n31	17n32			n.a.
F 2	23 35	18 38	4 16	25 16	2 0	24 31	1 0	27 47	4 12	6 0	1 21	19 6	1 36	5 49	0 44	6 30	1 59	31 8	13 32	17 58	17 32	17 34			n.a.
S 3	23 31	20 8	3 34	25 4	1 59	24 28	1 1	27 49	4 13	5 57	1 20	19 4	1 36	5 48	0 44	6 30	1 59	31 7	13 32	17 59	17 32	17 35			n.a.
S 4	23 27	20 46	2 42	24 51	1 56	24 24	1 3	27 51	4 14	5 53	1 20	19 2	1 36	5 48	0 44	6 30	1 59	31 6	13 32	18 1	17 33	17 37			n.a.
M 5	23 23	20 26	1 42	24 36	1 54	24 19	1 5	27 53	4 15	5 49	1 20	19 0	1 36	5 47	0 44	6 30	1 59	31 6	13 32	18 2	17 34	17 38			n.a.
T 6	23 18	19 9	0 37	24 18	1 51	24 14	1 6	27 54	4 15	5 45	1 19	18 58	1 36	5 46	0 44	6 30	1 59	31 5	13 32	18 2	17 35	17 39			n.a.
W 7	23 13	16 57	0n30	23 59	1 47	24 8	1 8	27 55	4 15	5 41	1 19	18 56	1 36	5 46	0 44	6 30	1 59	31 5	13 32	18 2	17 36	17 41			n.a.
T 8	23 8	13 55	1 37	23 37	1 42	24 1	1 9	27 56	4 16	5 37	1 19	18 54	1 36	5 45	0 44	6 30	1 59	31 4	13 32	18 2	17 37	17 42			n.a.
F 9	23 2	10 12	2 41	23 14	1 37	23 53	1 10	27 57	4 16	5 33	1 19	18 52	1 36	5 44	0 44	6 30	1 59	31 4	13 31	18 1	17 38	17 44			n.a.
S 10	22 55	5 56	3 38	22 48	1 31	23 45	1 12	27 58	4 16	5 29	1 19	18 50	1 36	5 43	0 43	6 30	1 59	31 3	13 31	18 1	17 39	17 45			n.a.
S 11	22 48	1 17	4 24	22 21	1 25	23 36	1 13	27 59	4 16	5 25	1 18	18 48	1 36	5 42	0 43	6 31	1 59	31 3	13 31	18 1	17 40	17 46			n.a.
M12	22 41	3s31	4 57	21 52	1 17	23 26	1 14	27 59	4 16	5 21	1 18	18 46	1 36	5 42	0 43	6 31	1 59	31 2	13 31	18 1	17 40	17 48			n.a.
T 13	22 33	8 16	5 14	21 21	1 9	23 15	1 15	27 59	4 16	5 17	1 18	18 44	1 36	5 41	0 43	6 31	1 59	31 2	13 31	18 1	17 41	17 49			n.a.
W14	22 25	12 40	5 11	20 49	1 0	23 4	1 17	27 59	4 15	5 13	1 18	18 42	1 36	5 40	0 43	6 31	1 59	31 1	13 31	18 1	17 42	17 51			n.a.
T 15	22 16	16 24	4 49	20 15	0 51	22 52	1 18	27 59	4 15	5 8	1 17	18 40	1 36	5 39	0 43	6 31	1 58	31 1	13 31	18 2	17 43	17 52			n.a.
F 16	22 7	19 8	4 6	19 40	0 40	22 40	1 19	27 59	4 15	5 4	1 17	18 38	1 36	5 38	0 43	6 31	1 58	31 0	13 31	18 3	17 44	17 53			n.a.
S 17	21 57	20 35	3 7	19 4	0 29	22 26	1 20	27 58	4 14	5 0	1 17	18 36	1 36	5 37	0 43	6 32	1 58	31 0	13 31	18 3	17 45	17 55			n.a.
S 18	21 47	20 35	1 56	18 28	0 17	22 12	1 21	27 58	4 13	4 55	1 17	18 34	1 36	5 36	0 43	6 32	1 58	30 59	13 31	18 4	17 46	17 56			n.a.
M19	21 37	19 9	0 37	17 51	0 4	21 58	1 21	27 57	4 13	4 51	1 16	18 32	1 36	5 35	0 43	6 32	1 58	30 59	13 31	18 4	17 47	17 57			n.a.
T 20	21 26	16 30	0s43	17 14	0n 9	21 43	1 22	27 56	4 12	4 46	1 16	18 30	1 36	5 34	0 43	6 32	1 58	30 58	13 31	18 4	17 47	17 59			n.a.
W21	21 15	12 57	1 58	16 37	0 23	21 27	1 23	27 56	4 11	4 42	1 16	18 28	1 36	5 33	0 43	6 32	1 58	30 58	13 31	18 4	17 48	18 0			n.a.
T 22	21 3	8 48	3 4	16 1	0 37	21 10	1 24	27 55	4 10	4 37	1 16	18 26	1 36	5 32	0 43	6 33	1 58	30 57	13 30	18 4	17 49	18 1			n.a.
F 23	20 51	4 21	3 58	15 26	0 52	20 53	1 24	27 53	4 9	4 33	1 16	18 24	1 36	5 31	0 43	6 33	1 58	30 57	13 30	18 3	17 50	18 3			n.a.
S 24	20 39	0n 8	4 38	14 53	1 8	20 35	1 25	27 52	4 8	4 28	1 15	18 21	1 36	5 30	0 43	6 33	1 58	30 56	13 30	18 3	17 51	18 4			n.a.
S 25	20 26	4 30	5 4	14 21	1 23	20 17	1 25	27 51	4 7	4 23	1 15	18 19	1 36	5 29	0 43	6 34	1 58	30 56	13 30	18 3	17 52	18 6			n.a.
M26	20 13	8 35	5 16	13 51	1 39	19 58	1 26	27 50	4 5	4 18	1 15	18 17	1 36	5 28	0 43	6 34	1 58	30 55	13 30	18 3	17 53	18 7			n.a.
T 27	20 0	12 17	5 14	13 25	1 54	19 38	1 26	27 48	4 4	4 14	1 15	18 15	1 36	5 27	0 43	6 34	1 58	30 55	13 30	18 3	17 54	18 8			n.a.
W28	19 46	15 27	4 58	13 1	2 10	19 18	1 26	27 47	4 3	4 9	1 15	18 13	1 36	5 26	0 43	6 35	1 58	30 54	13 30	18 3	17 54	18 10			n.a.
T 29	19 32	17 58	4 30	12 40	2 25	18 58	1 26	27 45	4 2	4 4	1 14	18 11	1 36	5 25	0 43	6 35	1 58	30 54	13 30	18 3	17 55	18 11			n.a.
F 30	19 17	19 44	3 50	12 23	2 39	18 37	1 27	27 44	4 0	3 59	1 14	18 8	1 36	5 24	0 43	6 35	1 57	30 53	13 30	18 4	17 56	18 12			n.a.
S 31	19s 2	20n39	3s 0	12s10	2n53	18s15	1s27	27n42	3n59	3s54	1s14	18s 6	1s36	5s23	0s43	6n36	1s57	30s53	13s30	18n 4	17n57	18n14			n.a.

Julian Day Number = 1567652.5, Delta T = 04h19m52s
Ecliptic obliquity = 23°44'40, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'11, Lahiri = - 9°46'10 Julian Calendar 1 Jan. 421 BCE == Greg. Calendar 27 Dec. 422 BCE

The year -420 astronomical counting style corresponds to year 421 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

FEBRUARY 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 20 14	6♒52'53	17♋14	20°R12	15♒ 8	27°R31	23♓18	15♒ 1	18♓14	21♈18	10♒ 8	9°R39	10♌ 0	12♊21	n.a.	S 1
M 2	8 24 10	7°52'53	29°28	19♒55	16°23	27♊23	23°30	15° 9	18°17	21°19	10°10	9♌38	9°57	12°27	n.a.	M 2
T 3	8 28 7	8°52'51	11♌54	19°29	17°38	27°16	23°42	15°16	18°20	21°20	10°11	9°D38	9°54	12°34	n.a.	T 3
W 4	8 32 3	9°52'47	24°32	18°55	18°52	27°10	23°54	15°23	18°22	21°21	10°13	9°R38	9°51	12°41	n.a.	W 4
T 5	8 36 0	10°52'41	7♍24	18°15	20° 7	27° 5	24° 6	15°31	18°25	21°22	10°15	9°38	9°48	12°47	n.a.	T 5
F 6	8 39 57	11°52'33	20°29	17°28	21°22	27° 1	24°18	15°38	18°28	21°23	10°16	9°38	9°44	12°54	n.a.	F 6
S 7	8 43 53	12°52'23	3♎48	16°37	22°36	26°57	24°31	15°46	18°31	21°24	10°18	9°38	9°41	13° 1	n.a.	S 7
S 8	8 47 50	13°52'12	17°20	15°41	23°51	26°54	24°43	15°53	18°34	21°25	10°20	9°37	9°38	13° 7	n.a.	S 8
M 9	8 51 46	14°51'58	1♏ 5	14°44	25° 5	26°52	24°56	16° 1	18°37	21°26	10°21	9°37	9°35	13°14	n.a.	M 9
T 10	8 55 43	15°51'43	15° 4	13°46	26°20	26°51	25° 8	16° 8	18°40	21°27	10°23	9°D37	9°32	13°21	n.a.	T 10
W11	8 59 39	16°51'26	29°14	12°48	27°35	26°D50	25°21	16°16	18°43	21°28	10°24	9°37	9°29	13°28	n.a.	W11
T 12	9 3 36	17°51'08	13♐33	11°52	28°49	26°50	25°34	16°23	18°46	21°29	10°26	9°37	9°25	13°34	n.a.	T 12
F 13	9 7 32	18°50'47	28° 0	10°58	0♑ 4	26°51	25°46	16°31	18°49	21°30	10°28	9°38	9°22	13°41	n.a.	F 13
S 14	9 11 29	19°50'25	12♑29	10° 8	1°18	26°53	25°59	16°38	18°52	21°32	10°29	9°39	9°19	13°48	n.a.	S 14
S 15	9 15 25	20°50'01	26°56	9°22	2°32	26°55	26°12	16°46	18°55	21°33	10°31	9°40	9°16	13°54	n.a.	S 15
M16	9 19 22	21°49'34	11♒17	8°41	3°47	26°58	26°25	16°53	18°58	21°34	10°32	9°R40	9°13	14° 1	n.a.	M16
T 17	9 23 19	22°49'06	25°25	8° 6	5° 1	27° 2	26°38	17° 1	19° 2	21°36	10°34	9°40	9° 9	14° 8	n.a.	T 17
W18	9 27 15	23°48'35	9♓16	7°36	6°16	27° 6	26°51	17° 8	19° 5	21°37	10°36	9°38	9° 6	14°14	n.a.	W18
T 19	9 31 12	24°48'02	22°48	7°13	7°30	27°11	27° 4	17°16	19° 8	21°38	10°37	9°37	9° 3	14°21	n.a.	T 19
F 20	9 35 8	25°47'27	5♈59	6°55	8°44	27°17	27°17	17°23	19°11	21°40	10°39	9°34	9° 0	14°28	n.a.	F 20
S 21	9 39 5	26°46'50	18°49	6°44	9°59	27°23	27°31	17°31	19°14	21°41	10°40	9°32	8°57	14°35	n.a.	S 21
S 22	9 43 1	27°46'10	1♉20	6°D38	11°13	27°30	27°44	17°38	19°18	21°43	10°42	9°30	8°54	14°41	n.a.	S 22
M23	9 46 58	28°45'27	13°34	6°39	12°27	27°38	27°57	17°45	19°21	21°44	10°43	9°28	8°50	14°48	n.a.	M23
T 24	9 50 54	29°44'43	25°36	6°45	13°41	27°46	28°11	17°53	19°24	21°46	10°45	9°D27	8°47	14°55	n.a.	T 24
W25	9 54 51	0♓43'56	7♊30	6°56	14°56	27°55	28°24	18° 0	19°27	21°47	10°46	9°27	8°44	15° 1	n.a.	W25
T 26	9 58 48	1°43'06	19°21	7°13	16°10	28° 5	28°38	18° 8	19°31	21°49	10°48	9°28	8°41	15° 8	n.a.	T 26
F 27	10 2 44	2°42'14	1♋14	7°35	17°24	28°15	28°51	18°15	19°34	21°50	10°49	9°30	8°38	15°15	n.a.	F 27
S 28	10 6 41	3°41'20	13°13	8° 1	18°38	28°25	29° 5	18°22	19°37	21°52	10°51	9°32	8°34	15°21	n.a.	S 28
S 29	10 10 37	4♓40'23	25♋23	8♒32	19♓52	28♊36	29♓18	18♒30	19♓41	21♈54	10♒52	9♌33	8♌31	15♊28	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s47	20n37	2s 1	12s 0	3n 6	17s53	1s27	27n41	3n57	3s49	1s14	18s 4	1s36	5s22	0s43	6n36	1s57	30s52	13s30	18n 4	17n58	18n15		n.a.
M 2	18 32	19 36	0 56	11 55	3 17	17 30	1 27	27 39	3 56	3 44	1 14	18 2	1 36	5 21	0 43	6 36	1 57	30 52	13 30	18 4	17 59	18 16		n.a.
T 3	18 16	17 38	0n13	11 53	3 27	17 7	1 27	27 37	3 54	3 39	1 13	18 0	1 36	5 20	0 43	6 37	1 57	30 51	13 30	18 4	18 0	18 18		n.a.
W 4	18 0	14 48	1 22	11 56	3 36	16 43	1 26	27 36	3 53	3 34	1 13	17 57	1 36	5 18	0 43	6 37	1 57	30 51	13 30	18 4	18 0	18 19		n.a.
T 5	17 44	11 11	2 28	12 2	3 42	16 19	1 26	27 34	3 51	3 29	1 13	17 55	1 36	5 17	0 43	6 38	1 57	30 50	13 30	18 4	18 1	18 20		n.a.
F 6	17 27	7 0	3 28	12 12	3 47	15 55	1 26	27 32	3 50	3 24	1 13	17 53	1 36	5 16	0 43	6 38	1 57	30 50	13 30	18 4	18 2	18 22		n.a.
S 7	17 10	2 24	4 17	12 24	3 50	15 30	1 26	27 30	3 48	3 19	1 13	17 51	1 36	5 15	0 43	6 39	1 57	30 50	13 31	18 4	18 3	18 23		n.a.
S 8	16 52	2s22	4 54	12 40	3 50	15 5	1 25	27 29	3 46	3 14	1 13	17 49	1 37	5 14	0 43	6 39	1 57	30 49	13 31	18 4	18 4	18 24		n.a.
M 9	16 35	7 6	5 14	12 58	3 49	14 39	1 25	27 27	3 45	3 9	1 12	17 46	1 37	5 13	0 43	6 39	1 57	30 49	13 31	18 4	18 5	18 25		n.a.
T 10	16 17	11 32	5 16	13 18	3 46	14 13	1 24	27 25	3 43	3 4	1 12	17 44	1 37	5 11	0 43	6 40	1 57	30 48	13 31	18 4	18 6	18 27		n.a.
W11	15 59	15 23	4 59	13 40	3 40	13 46	1 23	27 24	3 41	2 58	1 12	17 42	1 37	5 10	0 43	6 40	1 57	30 48	13 31	18 4	18 6	18 28		n.a.
T 12	15 41	18 22	4 23	14 2	3 33	13 19	1 23	27 22	3 40	2 53	1 12	17 40	1 37	5 9	0 43	6 41	1 57	30 47	13 31	18 4	18 7	18 29		n.a.
F 13	15 22	20 13	3 31	14 25	3 25	12 52	1 22	27 20	3 38	2 48	1 12	17 37	1 37	5 8	0 43	6 41	1 57	30 47	13 31	18 4	18 8	18 31		n.a.
S 14	15 3	20 45	2 25	14 49	3 14	12 25	1 21	27 18	3 36	2 42	1 12	17 35	1 37	5 6	0 42	6 42	1 56	30 47	13 31	18 4	18 9	18 32		n.a.
S 15	14 44	19 54	1 10	15 12	3 3	11 57	1 20	27 17	3 34	2 37	1 11	17 33	1 37	5 5	0 42	6 42	1 56	30 46	13 31	18 3	18 10	18 33		n.a.
M16	14 25	17 45	0s 9	15 34	2 51	11 29	1 19	27 15	3 33	2 32	1 11	17 31	1 37	5 4	0 42	6 43	1 56	30 46	13 31	18 3	18 11	18 35		n.a.
T 17	14 5	14 34	1 26	15 56	2 38	11 0	1 18	27 14	3 31	2 26	1 11	17 28	1 37	5 3	0 42	6 44	1 56	30 45	13 31	18 4	18 12	18 36		n.a.
W18	13 45	10 36	2 37	16 17	2 24	10 31	1 17	27 12	3 29	2 21	1 11	17 26	1 37	5 1	0 42	6 44	1 56	30 45	13 31	18 4	18 12	18 37		n.a.
T 19	13 25	6 12	3 37	16 37	2 10	10 2	1 16	27 10	3 27	2 16	1 11	17 24	1 37	5 0	0 42	6 45	1 56	30 45	13 31	18 4	18 13	18 38		n.a.
F 20	13 5	1 37	4 23	16 55	1 55	9 33	1 15	27 9	3 26	2 10	1 11	17 22	1 37	4 59	0 42	6 45	1 56	30 44	13 32	18 5	18 14	18 40		n.a.
S 21	12 45	2n55	4 55	17 12	1 41	9 4	1 14	27 7	3 24	2 5	1 11	17 20	1 37	4 58	0 42	6 46	1 56	30 44	13 32	18 6	18 15	18 41		n.a.
S 22	12 24	7 12	5 12	17 28	1 26	8 34	1 13	27 5	3 22	1 59	1 10	17 17	1 37	4 56	0 42	6 47	1 56	30 44	13 32	18 6	18 16	18 42		n.a.
M23	12 3	11 7	5 15	17 42	1 12	8 4	1 11	27 4	3 21	1 54	1 10	17 15	1 38	4 55	0 42	6 47	1 56	30 43	13 32	18 7	18 17	18 43		n.a.
T 24	11 42	14 30	5 3	17 54	0 57	7 34	1 10	27 2	3 19	1 48	1 10	17 13	1 38	4 54	0 42	6 48	1 56	30 43	13 32	18 7	18 18	18 45		n.a.
W25	11 21	17 15	4 39	18 4	0 43	7 4	1 8	27 1	3 17	1 43	1 10	17 11	1 38	4 52	0 42	6 48	1 56	30 43	13 32	18 7	18 18	18 46		n.a.
T 26	11 0	19 17	4 2	18 13	0 30	6 33	1 7	26 59	3 15	1 37	1 10	17 8	1 38	4 51	0 42	6 49	1 56	30 42	13 32	18 7	18 19	18 47		n.a.
F 27	10 38	20 29	3 16	18 21	0 16	6 2	1 5	26 58	3 14	1 32	1 10	17 6	1 38	4 50	0 42	6 50	1 56	30 42	13 32	18 6	18 20	18 48		n.a.
S 28	10 17	20 45	2 20	18 26	0 3	5 32	1 4	26 56	3 12	1 26	1 10	17 4	1 38	4 48	0 42	6 50	1 56	30 42	13 33	18 6	18 21	18 50		n.a.
S 29	9s55	20n 4	1s17	18s30	0s 9	5s 1	1s 2	26n55	3n10	1s21	1s10	17s 2	1s38	4s47	0s42	6n51	1s56	30s41	13s33	18n 5	18n22	18n51		n.a.

Julian Day Number = 1567683.5, Delta T = 04h19m50s
Ecliptic obliquity = 23°44'40, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'07, Lahiri = - 9°46'06 Julian Calendar 1 Feb. 421 BCE == Greg. Calendar 27 Jan. 421 BCE

The year -420 astronomical counting style corresponds to year 421 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

MARCH 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 14 34	5♓39'25	7♌46	9♒ 6	21♓ 6	28♊48	29♓32	18♒37	19♓44	21♈55	10♒54	9°R34	8♌28	15♊35	n.a.	M 1
T 2	10 18 30	6°38'23	20°26	9°45	22°20	29° 0	29°46	18°44	19°47	21°57	10°55	9♌33	8°25	15°41	n.a.	T 2
W 3	10 22 27	7°37'20	3♍23	10°28	23°34	29°13	29°59	18°51	19°51	21°59	10°57	9°31	8°22	15°48	n.a.	W 3
T 4	10 26 23	8°36'14	16°37	11°15	24°48	29°26	0♈13	18°59	19°54	22° 0	10°58	9°28	8°19	15°55	n.a.	T 4
F 5	10 30 20	9°35'06	0♎ 8	12° 4	26° 2	29°40	0°27	19° 6	19°57	22° 2	11° 0	9°24	8°15	16° 2	n.a.	F 5
S 6	10 34 16	10°33'57	13°53	12°57	27°16	29°54	0°41	19°13	20° 1	22° 4	11° 1	9°19	8°12	16° 8	n.a.	S 6
S 7	10 38 13	11°32'45	27°49	13°53	28°30	0♋ 9	0°54	19°20	20° 4	22° 6	11° 3	9°15	8° 9	16°15	n.a.	S 7
M 8	10 42 10	12°31'31	11♏53	14°52	29°44	0°24	1° 8	19°27	20° 8	22° 7	11° 4	9°11	8° 6	16°22	n.a.	M 8
T 9	10 46 6	13°30'16	26° 2	15°54	0♈57	0°40	1°22	19°34	20°11	22° 9	11° 6	9° 8	8° 3	16°28	n.a.	T 9
W10	10 50 3	14°28'59	10♐13	16°58	2°11	0°56	1°36	19°41	20°14	22°11	11° 7	9°D 7	8° 0	16°35	n.a.	W10
T 11	10 53 59	15°27'40	24°24	18° 5	3°25	1°13	1°50	19°48	20°18	22°13	11° 8	9° 7	7°56	16°42	n.a.	T 11
F 12	10 57 56	16°26'20	8♑33	19°15	4°39	1°30	2° 4	19°55	20°21	22°15	11°10	9° 8	7°53	16°48	n.a.	F 12
S 13	11 1 52	17°24'58	22°38	20°26	5°52	1°47	2°18	20° 2	20°25	22°17	11°11	9° 9	7°50	16°55	n.a.	S 13
S 14	11 5 49	18°23'33	6♒38	21°40	7° 6	2° 5	2°32	20° 9	20°28	22°19	11°12	9°R10	7°47	17° 2	n.a.	S 14
M15	11 9 45	19°22'08	20°30	22°56	8°20	2°23	2°46	20°16	20°32	22°21	11°14	9°10	7°44	17° 9	n.a.	M15
T 16	11 13 42	20°20'40	4♓13	24°15	9°33	2°42	3° 0	20°23	20°35	22°23	11°15	9° 7	7°40	17°15	n.a.	T 16
W17	11 17 39	21°19'10	17°44	25°35	10°47	3° 1	3°14	20°30	20°38	22°25	11°16	9° 3	7°37	17°22	n.a.	W17
T 18	11 21 35	22°17'38	1♈ 1	26°57	12° 0	3°20	3°29	20°37	20°42	22°27	11°18	8°57	7°34	17°29	n.a.	T 18
F 19	11 25 32	23°16'04	14° 1	28°21	13°14	3°40	3°43	20°43	20°45	22°29	11°19	8°49	7°31	17°35	n.a.	F 19
S 20	11 29 28	24°14'28	26°45	29°47	14°27	4° 0	3°57	20°50	20°49	22°31	11°20	8°41	7°28	17°42	n.a.	S 20
S 21	11 33 25	25°12'50	9♉13	1♓15	15°41	4°21	4°11	20°57	20°52	22°33	11°21	8°33	7°25	17°49	n.a.	S 21
M22	11 37 21	26°11'10	21°26	2°45	16°54	4°41	4°25	21° 3	20°55	22°35	11°23	8°27	7°21	17°55	n.a.	M22
T 23	11 41 18	27° 9'28	3♊28	4°17	18° 8	5° 3	4°39	21°10	20°59	22°37	11°24	8°22	7°18	18° 2	n.a.	T 23
W24	11 45 14	28° 7'44	15°22	5°50	19°21	5°24	4°53	21°16	21° 2	22°39	11°25	8°19	7°15	18° 9	n.a.	W24
T 25	11 49 11	29° 5'57	27°13	7°26	20°34	5°46	5° 8	21°23	21° 6	22°41	11°26	8°D18	7°12	18°15	n.a.	T 25
F 26	11 53 7	0♈ 4'09	9♋ 5	9° 3	21°48	6° 8	5°22	21°29	21° 9	22°43	11°27	8°18	7° 9	18°22	n.a.	F 26
S 27	11 57 4	1° 2'18	21° 4	10°42	23° 1	6°31	5°36	21°36	21°12	22°45	11°29	8°19	7° 5	18°29	n.a.	S 27
S 28	12 1 1	2° 0'26	3♌15	12°22	24°14	6°54	5°50	21°42	21°16	22°47	11°30	8°R20	7° 2	18°35	n.a.	S 28
M29	12 4 57	2°58'31	15°43	14° 5	25°27	7°17	6° 4	21°48	21°19	22°49	11°31	8°20	6°59	18°42	n.a.	M29
T 30	12 8 54	3°56'34	28°31	15°49	26°40	7°40	6°19	21°55	21°23	22°52	11°32	8°18	6°56	18°49	n.a.	T 30
W31	12 12 50	4♈54'35	11♍42	17♓35	27♈53	8♋ 4	6♈33	22♒ 1	21♓26	22♈54	11♒33	8♌14	6♌53	18♊56	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	9s33	18n24	0s10	18s33	0s21	4s29	1s 0	26n53	3n 9	1s15	1s10	17s 0	1s38	4s46	0s42	6n52	1s56	30s41	13s33	18n 5	18n23	18n52			n.a.
T 2	9 11	15 48	0n59	18 33	0 32	3 58	0 58	26 51	3 7	1 9	1 9	16 57	1 38	4 44	0 42	6 52	1 56	30 41	13 33	18 5	18 23	18 53			n.a.
W 3	8 49	12 22	2 7	18 32	0 43	3 27	0 57	26 50	3 5	1 4	1 9	16 55	1 38	4 43	0 42	6 53	1 56	30 41	13 33	18 6	18 24	18 55			n.a.
T 4	8 27	8 15	3 9	18 29	0 54	2 56	0 55	26 48	3 4	0 58	1 9	16 53	1 39	4 42	0 42	6 54	1 55	30 40	13 33	18 7	18 25	18 56			n.a.
F 5	8 4	3 38	4 2	18 25	1 4	2 24	0 53	26 47	3 2	0 52	1 9	16 51	1 39	4 40	0 42	6 54	1 55	30 40	13 34	18 8	18 26	18 57			n.a.
S 6	7 42	1s13	4 42	18 19	1 13	1 53	0 51	26 45	3 0	0 47	1 9	16 49	1 39	4 39	0 42	6 55	1 55	30 40	13 34	18 9	18 27	18 58			n.a.
S 7	7 19	6 5	5 6	18 11	1 22	1 21	0 49	26 43	2 59	0 41	1 9	16 46	1 39	4 38	0 42	6 56	1 55	30 40	13 34	18 10	18 28	19 0			n.a.
M 8	6 57	10 39	5 12	18 1	1 31	0 49	0 47	26 42	2 57	0 35	1 9	16 44	1 39	4 36	0 42	6 57	1 55	30 39	13 34	18 11	18 28	19 1			n.a.
T 9	6 34	14 40	4 59	17 50	1 38	0 18	0 45	26 40	2 56	0 30	1 9	16 42	1 39	4 35	0 42	6 57	1 55	30 39	13 34	18 12	18 29	19 2			n.a.
W10	6 11	17 51	4 27	17 37	1 46	0n14	0 42	26 38	2 54	0 24	1 9	16 40	1 39	4 34	0 42	6 58	1 55	30 39	13 35	18 12	18 30	19 3			n.a.
T 11	5 48	19 58	3 40	17 23	1 52	0 46	0 40	26 37	2 52	0 18	1 8	16 38	1 39	4 32	0 42	6 59	1 55	30 39	13 35	18 12	18 31	19 4			n.a.
F 12	5 25	20 49	2 39	17 7	1 59	1 17	0 38	26 35	2 51	0 13	1 8	16 36	1 39	4 31	0 42	7 0	1 55	30 38	13 35	18 12	18 32	19 6			n.a.
S 13	5 2	20 21	1 29	16 49	2 4	1 49	0 36	26 33	2 49	0 7	1 8	16 34	1 40	4 29	0 42	7 0	1 55	30 38	13 35	18 12	18 33	19 7			n.a.
S 14	4 39	18 38	0 14	16 30	2 9	2 21	0 33	26 31	2 48	0 1	1 8	16 32	1 40	4 28	0 42	7 1	1 55	30 38	13 35	18 11	18 33	19 8			n.a.
M15	4 16	15 48	1s 1	16 9	2 14	2 52	0 31	26 30	2 46	0n 5	1 8	16 29	1 40	4 27	0 42	7 2	1 55	30 38	13 36	18 12	18 34	19 9			n.a.
T 16	3 52	12 8	2 12	15 46	2 18	3 24	0 29	26 28	2 45	0 10	1 8	16 27	1 40	4 25	0 42	7 3	1 55	30 38	13 36	18 12	18 35	19 10			n.a.
W17	3 29	7 52	3 14	15 22	2 21	3 55	0 26	26 26	2 43	0 16	1 8	16 25	1 40	4 24	0 42	7 3	1 55	30 37	13 36	18 13	18 36	19 12			n.a.
T 18	3 6	3 19	4 4	14 57	2 24	4 26	0 24	26 24	2 42	0 22	1 8	16 23	1 40	4 23	0 42	7 4	1 55	30 37	13 36	18 15	18 37	19 13			n.a.
F 19	2 42	1n18	4 40	14 29	2 27	4 58	0 21	26 22	2 40	0 27	1 8	16 21	1 40	4 21	0 42	7 5	1 55	30 37	13 37	18 17	18 38	19 14			n.a.
S 20	2 19	5 46	5 1	14 0	2 29	5 29	0 19	26 20	2 39	0 33	1 8	16 19	1 41	4 20	0 42	7 6	1 55	30 37	13 37	18 19	18 38	19 15			n.a.
S 21	1 56	9 53	5 8	13 30	2 30	6 0	0 16	26 18	2 37	0 39	1 8	16 17	1 41	4 18	0 42	7 6	1 55	30 37	13 37	18 21	18 39	19 16			n.a.
M22	1 32	13 31	5 0	12 58	2 31	6 31	0 14	26 15	2 36	0 45	1 8	16 15	1 41	4 17	0 42	7 7	1 55	30 37	13 37	18 23	18 40	19 17			n.a.
T 23	1 9	16 33	4 39	12 24	2 31	7 1	0 11	26 13	2 34	0 50	1 8	16 13	1 41	4 16	0 42	7 8	1 55	30 37	13 38	18 24	18 41	19 19			n.a.
W24	0 45	18 51	4 6	11 49	2 31	7 32	0 9	26 11	2 33	0 56	1 8	16 11	1 41	4 14	0 42	7 9	1 55	30 37	13 38	18 25	18 42	19 20			n.a.
T 25	0 22	20 20	3 23	11 12	2 30	8 2	0 6	26 8	2 32	1 2	1 7	16 9	1 41	4 13	0 42	7 10	1 55	30 36	13 38	18 25	18 42	19 21			n.a.
F 26	0n 2	20 55	2 31	10 34	2 28	8 33	0 3	26 6	2 30	1 8	1 7	16 7	1 41	4 12	0 42	7 10	1 55	30 36	13 38	18 25	18 43	19 22			n.a.
S 27	0 25	20 34	1 32	9 54	2 26	9 3	0 1	26 3	2 29	1 13	1 7	16 5	1 42	4 10	0 42	7 11	1 55	30 36	13 39	18 25	18 44	19 23			n.a.
S 28	0 48	19 14	0 27	9 13	2 24	9 33	0n 2	26 1	2 27	1 19	1 7	16 3	1 42	4 9	0 42	7 12	1 55	30 36	13 39	18 25	18 45	19 24			n.a.
M29	1 12	16 57	0n40	8 30	2 21	10 2	0 5	25 58	2 26	1 25	1 7	16 1	1 42	4 8	0 42	7 13	1 55	30 36	13 39	18 25	18 46	19 26			n.a.
T 30	1 35	13 48	1 46	7 46	2 17	10 32	0 7	25 56	2 25	1 31	1 7	15 59	1 42	4 6	0 42	7 14	1 55	30 36	13 40	18 25	18 47	19 27			n.a.
W31	1n58	9n52	2n49	7s 0	2s13	11n 1	0n10	25n53	2n23	1n36	1s 7	15s58	1s42	4s 5	0s42	7n15	1s55	30s36	13s40	18n26	18n47	19n28			n.a.

Julian Day Number = 1567712.5, Delta T = 04h19m49s
Ecliptic obliquity = 23°44'41, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°53'03, Lahiri = - 9°46'02 Julian Calendar 1 March 421 BCE == Greg. Calendar 25 Feb. 421 BCE

The year -420 astronomical counting style corresponds to year 421 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

APRIL 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 16 47	5♈52'35	25♍16	19♓23	29♈ 6	8♋28	6♈47	22♒ 7	21♓29	22♈56	11♒34	8°R 7	6♌50	19♊ 2	n.a.	T 1
F 2	12 20 43	6°50'32	9♎10	21°13	0♉19	8°52	7° 1	22°13	21°33	22°58	11°35	7♌59	6°46	19° 9	n.a.	F 2
S 3	12 24 40	7°48'28	23°23	23° 4	1°32	9°16	7°16	22°19	21°36	23° 0	11°36	7°50	6°43	19°16	n.a.	S 3
S 4	12 28 36	8°46'22	7♏47	24°58	2°45	9°41	7°30	22°25	21°39	23° 2	11°37	7°40	6°40	19°22	n.a.	S 4
M 5	12 32 33	9°44'15	22°16	26°53	3°58	10° 6	7°44	22°31	21°43	23° 5	11°38	7°32	6°37	19°29	n.a.	M 5
T 6	12 36 29	10°42'07	6♐45	28°50	5°11	10°31	7°58	22°37	21°46	23° 7	11°39	7°26	6°34	19°36	n.a.	T 6
W 7	12 40 26	11°39'57	21° 9	0♈49	6°24	10°57	8°12	22°43	21°49	23° 9	11°40	7°22	6°31	19°42	n.a.	W 7
T 8	12 44 23	12°37'46	5♑24	2°49	7°37	11°23	8°27	22°48	21°52	23°11	11°41	7°20	6°27	19°49	n.a.	T 8
F 9	12 48 19	13°35'33	19°27	4°51	8°49	11°49	8°41	22°54	21°56	23°13	11°42	7°D20	6°24	19°56	n.a.	F 9
S 10	12 52 16	14°33'20	3♒19	6°55	10° 2	12°15	8°55	23° 0	21°59	23°16	11°43	7°R21	6°21	20° 2	n.a.	S 10
S 11	12 56 12	15°31'05	17° 0	9° 0	11°15	12°41	9° 9	23° 5	22° 2	23°18	11°43	7°20	6°18	20° 9	n.a.	S 11
M12	13 0 9	16°28'49	0♓30	11° 7	12°27	13° 8	9°23	23°11	22° 5	23°20	11°44	7°18	6°15	20°16	n.a.	M12
T 13	13 4 5	17°26'31	13°48	13°15	13°40	13°35	9°37	23°16	22° 8	23°22	11°45	7°14	6°11	20°22	n.a.	T 13
W14	13 8 2	18°24'12	26°56	15°24	14°53	14° 2	9°52	23°21	22°12	23°25	11°46	7° 6	6° 8	20°29	n.a.	W14
T 15	13 11 58	19°21'52	9♈52	17°33	16° 5	14°30	10° 6	23°27	22°15	23°27	11°47	6°56	6° 5	20°36	n.a.	T 15
F 16	13 15 55	20°19'31	22°36	19°44	17°18	14°57	10°20	23°32	22°18	23°29	11°47	6°45	6° 2	20°43	n.a.	F 16
S 17	13 19 52	21°17'08	5♉ 8	21°55	18°30	15°25	10°34	23°37	22°21	23°31	11°48	6°32	5°59	20°49	n.a.	S 17
S 18	13 23 48	22°14'44	17°27	24° 6	19°42	15°53	10°48	23°42	22°24	23°34	11°49	6°20	5°56	20°56	n.a.	S 18
M19	13 27 45	23°12'18	29°34	26°17	20°55	16°21	11° 2	23°47	22°27	23°36	11°49	6° 9	5°52	21° 3	n.a.	M19
T 20	13 31 41	24° 9'51	11♊32	28°28	22° 7	16°49	11°16	23°52	22°30	23°38	11°50	6° 0	5°49	21° 9	n.a.	T 20
W21	13 35 38	25° 7'23	23°24	0♉38	23°19	17°18	11°30	23°57	22°33	23°40	11°51	5°53	5°46	21°16	n.a.	W21
T 22	13 39 34	26° 4'53	5♋13	2°48	24°32	17°47	11°44	24° 2	22°36	23°43	11°51	5°50	5°43	21°23	n.a.	T 22
F 23	13 43 31	27° 2'22	17° 4	4°56	25°44	18°16	11°58	24° 7	22°39	23°45	11°52	5°48	5°40	21°29	n.a.	F 23
S 24	13 47 27	27°59'49	29° 2	7° 3	26°56	18°45	12°12	24°11	22°42	23°47	11°53	5°48	5°37	21°36	n.a.	S 24
S 25	13 51 24	28°57'15	11♌12	9° 8	28° 8	19°14	12°26	24°16	22°45	23°49	11°53	5°48	5°33	21°43	n.a.	S 25
M26	13 55 21	29°54'39	23°40	11°11	29°20	19°44	12°40	24°20	22°48	23°52	11°54	5°47	5°30	21°49	n.a.	M26
T 27	13 59 17	0♉52'02	6♍30	13°12	0♊32	20°13	12°53	24°25	22°51	23°54	11°54	5°44	5°27	21°56	n.a.	T 27
W28	14 3 14	1°49'24	19°46	15°12	1°44	20°43	13° 7	24°29	22°54	23°56	11°55	5°39	5°24	22° 3	n.a.	W28
T 29	14 7 10	2°46'44	3♎29	17° 9	2°56	21°13	13°21	24°33	22°56	23°58	11°55	5°32	5°21	22° 9	n.a.	T 29
F 30	14 11 7	3♉44'04	17♎39	19♉ 3	4♊ 8	21♋43	13♈35	24♒37	22♓59	24♈ 0	11♒55	5♌22	5♌17	22♊16	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n22	5n19	3n44	6s13	2s 9	11n30	0n13	25n50	2n22	1n42	1s 7	15s56	1s42	4s 4	0s42	7n15	1s54	30s36	13s40	18n28	18n48	19n29		n.a.
F 2	2 45	0 24	4 27	5 25	2 3	11 58	0 15	25 47	2 21	1 48	1 7	15 54	1 43	4 2	0 42	7 16	1 54	30 36	13 40	18 30	18 49	19 30		n.a.
S 3	3 8	4s38	4 55	4 35	1 58	12 27	0 18	25 44	2 19	1 54	1 7	15 52	1 43	4 1	0 42	7 17	1 54	30 36	13 41	18 33	18 50	19 31		n.a.
S 4	3 31	9 29	5 4	3 44	1 51	12 55	0 21	25 41	2 18	1 59	1 7	15 50	1 43	4 0	0 42	7 18	1 54	30 36	13 41	18 35	18 51	19 32		n.a.
M 5	3 54	13 50	4 54	2 51	1 45	13 22	0 24	25 38	2 17	2 5	1 7	15 48	1 43	3 58	0 42	7 19	1 54	30 36	13 41	18 37	18 51	19 33		n.a.
T 6	4 17	17 21	4 26	1 57	1 37	13 50	0 26	25 34	2 15	2 11	1 7	15 47	1 43	3 57	0 42	7 20	1 54	30 36	13 42	18 39	18 52	19 35		n.a.
W 7	4 40	19 47	3 40	1 2	1 30	14 17	0 29	25 31	2 14	2 16	1 7	15 45	1 44	3 56	0 42	7 20	1 54	30 36	13 42	18 40	18 53	19 36		n.a.
T 8	5 3	20 57	2 42	0 6	1 21	14 43	0 32	25 27	2 13	2 22	1 7	15 43	1 44	3 54	0 42	7 21	1 54	30 36	13 42	18 40	18 54	19 37		n.a.
F 9	5 26	20 46	1 34	0n51	1 13	15 10	0 34	25 24	2 12	2 28	1 7	15 41	1 44	3 53	0 42	7 22	1 54	30 36	13 43	18 40	18 55	19 38		n.a.
S 10	5 48	19 19	0 21	1 48	1 4	15 36	0 37	25 20	2 10	2 33	1 7	15 40	1 44	3 52	0 42	7 23	1 54	30 36	13 43	18 40	18 55	19 39		n.a.
S 11	6 11	16 45	0s51	2 47	0 54	16 1	0 40	25 16	2 9	2 39	1 7	15 38	1 44	3 51	0 42	7 24	1 54	30 36	13 43	18 40	18 56	19 40		n.a.
M12	6 34	13 18	2 0	3 46	0 45	16 27	0 42	25 12	2 8	2 45	1 7	15 36	1 44	3 49	0 42	7 25	1 54	30 36	13 44	18 41	18 57	19 41		n.a.
T 13	6 56	9 13	3 1	4 46	0 35	16 52	0 45	25 8	2 7	2 50	1 7	15 35	1 45	3 48	0 42	7 25	1 54	30 36	13 44	18 42	18 58	19 42		n.a.
W14	7 18	4 46	3 51	5 46	0 24	17 16	0 48	25 4	2 5	2 56	1 7	15 33	1 45	3 47	0 42	7 26	1 54	30 36	13 44	18 44	18 59	19 43		n.a.
T 15	7 40	0 9	4 29	6 46	0 14	17 40	0 50	25 0	2 4	3 2	1 7	15 32	1 45	3 46	0 42	7 27	1 54	30 36	13 44	18 46	18 59	19 45		n.a.
F 16	8 2	4n23	4 52	7 46	0 3	18 3	0 53	24 56	2 3	3 7	1 7	15 30	1 45	3 44	0 42	7 28	1 54	30 36	13 45	18 49	19 0	19 46		n.a.
S 17	8 24	8 40	5 1	8 45	0n 7	18 26	0 56	24 51	2 2	3 13	1 7	15 28	1 45	3 43	0 42	7 29	1 54	30 37	13 45	18 53	19 1	19 47		n.a.
S 18	8 46	12 32	4 56	9 44	0 18	18 49	0 58	24 47	2 1	3 18	1 7	15 27	1 46	3 42	0 42	7 30	1 54	30 37	13 46	18 56	19 2	19 48		n.a.
M19	9 8	15 49	4 37	10 43	0 28	19 11	1 1	24 42	1 59	3 24	1 7	15 25	1 46	3 41	0 42	7 31	1 54	30 37	13 46	18 59	19 3	19 49		n.a.
T 20	9 29	18 24	4 6	11 40	0 39	19 33	1 3	24 38	1 58	3 30	1 7	15 24	1 46	3 39	0 42	7 31	1 54	30 37	13 46	19 1	19 3	19 50		n.a.
W21	9 51	20 10	3 25	12 36	0 49	19 54	1 6	24 33	1 57	3 35	1 7	15 23	1 46	3 38	0 42	7 32	1 54	30 37	13 47	19 2	19 4	19 51		n.a.
T 22	10 12	21 4	2 34	13 31	0 58	20 14	1 8	24 28	1 56	3 41	1 7	15 21	1 46	3 37	0 42	7 33	1 54	30 37	13 47	19 3	19 5	19 52		n.a.
F 23	10 33	21 2	1 38	14 23	1 8	20 35	1 10	24 23	1 55	3 46	1 7	15 20	1 47	3 36	0 42	7 34	1 54	30 37	13 47	19 4	19 6	19 53		n.a.
S 24	10 54	20 2	0 36	15 15	1 17	20 54	1 13	24 17	1 54	3 52	1 7	15 18	1 47	3 35	0 42	7 35	1 54	30 37	13 48	19 4	19 7	19 54		n.a.
S 25	11 14	18 6	0n29	16 4	1 25	21 13	1 15	24 12	1 53	3 57	1 7	15 17	1 47	3 34	0 42	7 36	1 54	30 38	13 48	19 4	19 7	19 55		n.a.
M26	11 35	15 16	1 33	16 51	1 33	21 31	1 17	24 7	1 51	4 3	1 7	15 16	1 47	3 32	0 42	7 36	1 54	30 38	13 48	19 4	19 8	19 56		n.a.
T 27	11 55	11 38	2 35	17 35	1 40	21 49	1 20	24 1	1 50	4 8	1 7	15 14	1 48	3 31	0 42	7 37	1 54	30 38	13 49	19 5	19 9	19 57		n.a.
W28	12 16	7 19	3 30	18 18	1 47	22 6	1 22	23 55	1 49	4 13	1 7	15 13	1 48	3 30	0 42	7 38	1 54	30 38	13 49	19 6	19 10	19 58		n.a.
T 29	12 36	2 30	4 15	18 58	1 53	22 23	1 24	23 50	1 48	4 19	1 7	15 12	1 48	3 29	0 42	7 39	1 54	30 38	13 49	19 8	19 10	19 59		n.a.
F 30	12n55	2s36	4n47	19n36	1n58	22n39	1n26	23n44	1n47	4n24	1s 7	15s11	1s48	3s28	0s42	7n40	1s54	30s39	13s50	19n10	19n11	20n 0		n.a.

Julian Day Number = 1567743.5, Delta T = 04h19m48s
Ecliptic obliquity = 23°44'42, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'58, Lahiri = - 9°45'58 Julian Calendar 1 Apr. 421 BCE == Greg. Calendar 27 March 421 BCE

The year -420 astronomical counting style corresponds to year 421 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

MAY 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 15 3	4♉41'22	2♏11	20♉55	5♊20	22♋14	13♈48	24♒42	23♓ 2	24♈ 3	11♒56	5°R11	5♌14	22♊23	n.a.	S 1
S 2	14 19 0	5°38'39	16°59	22°45	6°31	22°44	14° 2	24°46	23° 5	24° 5	11°56	5♌ 0	5°11	22°29	n.a.	S 2
M 3	14 22 56	6°35'56	1♐53	24°32	7°43	23°15	14°16	24°50	23° 7	24° 7	11°57	4°50	5° 8	22°36	n.a.	M 3
T 4	14 26 53	7°33'12	16°45	26°16	8°55	23°46	14°29	24°53	23°10	24° 9	11°57	4°42	5° 5	22°43	n.a.	T 4
W 5	14 30 50	8°30'27	1♑28	27°57	10° 6	24°16	14°43	24°57	23°13	24°12	11°57	4°37	5° 2	22°49	n.a.	W 5
T 6	14 34 46	9°27'42	15°56	29°36	11°18	24°48	14°56	25° 1	23°15	24°14	11°58	4°34	4°58	22°56	n.a.	T 6
F 7	14 38 43	10°24'57	0♒ 6	1♊13	12°29	25°19	15°10	25° 4	23°18	24°16	11°58	4°34	4°55	23° 3	n.a.	F 7
S 8	14 42 39	11°22'10	13°56	2°46	13°41	25°50	15°23	25° 8	23°21	24°18	11°58	4°34	4°52	23°10	n.a.	S 8
S 9	14 46 36	12°19'24	27°29	4°17	14°52	26°22	15°37	25°11	23°23	24°20	11°58	4°33	4°49	23°16	n.a.	S 9
M10	14 50 32	13°16'37	10♓46	5°45	16° 3	26°53	15°50	25°15	23°26	24°22	11°59	4°31	4°46	23°23	n.a.	M10
T 11	14 54 29	14°13'49	23°47	7°10	17°15	27°25	16° 3	25°18	23°28	24°25	11°59	4°26	4°42	23°30	n.a.	T 11
W12	14 58 25	15°11'02	6♈36	8°33	18°26	27°57	16°17	25°21	23°30	24°27	11°59	4°18	4°39	23°36	n.a.	W12
T 13	15 2 22	16° 8'13	19°14	9°52	19°37	28°29	16°30	25°24	23°33	24°29	11°59	4° 8	4°36	23°43	n.a.	T 13
F 14	15 6 19	17° 5'25	1♉41	11° 9	20°48	29° 1	16°43	25°27	23°35	24°31	11°59	3°56	4°33	23°50	n.a.	F 14
S 15	15 10 15	18° 2'36	13°58	12°22	21°59	29°34	16°56	25°30	23°37	24°33	11°59	3°43	4°30	23°56	n.a.	S 15
S 16	15 14 12	18°59'46	26° 6	13°33	23°10	0♌ 6	17° 9	25°33	23°40	24°35	11°59	3°31	4°27	24° 3	n.a.	S 16
M17	15 18 8	19°56'56	8♊ 6	14°40	24°21	0°39	17°22	25°36	23°42	24°37	11°59	3°19	4°23	24°10	n.a.	M17
T 18	15 22 5	20°54'06	19°59	15°45	25°32	1°12	17°35	25°38	23°44	24°39	11°R59	3°10	4°20	24°16	n.a.	T 18
W19	15 26 1	21°51'15	1♋48	16°46	26°43	1°44	17°48	25°41	23°46	24°41	11°59	3° 3	4°17	24°23	n.a.	W19
T 20	15 29 58	22°48'23	13°36	17°44	27°54	2°17	18° 1	25°43	23°49	24°43	11°59	2°59	4°14	24°30	n.a.	T 20
F 21	15 33 55	23°45'31	25°25	18°38	29° 5	2°51	18°14	25°46	23°51	24°45	11°59	2°58	4°11	24°36	n.a.	F 21
S 22	15 37 51	24°42'39	7♌22	19°29	0♋15	3°24	18°26	25°48	23°53	24°47	11°59	2°D57	4° 8	24°43	n.a.	S 22
S 23	15 41 48	25°39'46	19°31	20°16	1°26	3°57	18°39	25°50	23°55	24°49	11°59	2°R58	4° 4	24°50	n.a.	S 23
M24	15 45 44	26°36'52	1♍57	21° 0	2°36	4°31	18°52	25°52	23°57	24°51	11°59	2°58	4° 1	24°56	n.a.	M24
T 25	15 49 41	27°33'58	14°45	21°39	3°47	5° 4	19° 4	25°54	23°59	24°53	11°59	2°56	3°58	25° 3	n.a.	T 25
W26	15 53 37	28°31'04	27°59	22°15	4°57	5°38	19°17	25°56	24° 0	24°55	11°58	2°53	3°55	25°10	n.a.	W26
T 27	15 57 34	29°28'09	11♎43	22°47	6° 7	6°12	19°29	25°57	24° 2	24°57	11°58	2°47	3°52	25°16	n.a.	T 27
F 28	16 1 30	0♊25'14	25°55	23°14	7°18	6°46	19°41	25°59	24° 4	24°59	11°58	2°40	3°48	25°23	n.a.	F 28
S 29	16 5 27	1°22'19	10♏34	23°37	8°28	7°20	19°54	26° 1	24° 6	25° 1	11°58	2°31	3°45	25°30	n.a.	S 29
S 30	16 9 24	2°19'23	25°33	23°56	9°38	7°54	20° 6	26° 2	24° 8	25° 3	11°58	2°22	3°42	25°36	n.a.	S 30
M31	16 13 20	3♊16'28	10♐42	24♊10	10♋48	8♌28	20♈18	26♒ 3	24♓ 9	25♈ 5	11♒57	2♌14	3♌39	25♊43	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n15	7s42	5n 0	20n11	2n 3	22n55	1n28	23n38	1n46	4n30	1s 7	15s10	1s49	3s27	0s43	7n40	1s54	30s39	13s50	19n13	19n12	20n 1		n.a.
S 2	13 34	12 25	4 54	20 44	2 6	23 9	1 30	23 31	1 45	4 35	1 7	15 8	1 49	3 26	0 43	7 41	1 54	30 39	13 50	19 16	19 13	20 2		n.a.
M 3	13 53	16 25	4 28	21 14	2 10	23 24	1 32	23 25	1 44	4 40	1 7	15 7	1 49	3 25	0 43	7 42	1 54	30 39	13 51	19 18	19 14	20 3		n.a.
T 4	14 12	19 22	3 44	21 42	2 12	23 37	1 34	23 19	1 43	4 46	1 7	15 6	1 49	3 24	0 43	7 43	1 54	30 39	13 51	19 20	19 14	20 4		n.a.
W 5	14 31	20 59	2 45	22 8	2 14	23 50	1 36	23 12	1 42	4 51	1 7	15 5	1 49	3 23	0 43	7 44	1 54	30 40	13 52	19 21	19 15	20 5		n.a.
T 6	14 50	21 11	1 37	22 31	2 15	24 2	1 38	23 5	1 41	4 56	1 7	15 4	1 50	3 22	0 43	7 45	1 54	30 40	13 52	19 22	19 16	20 6		n.a.
F 7	15 8	20 0	0 24	22 52	2 15	24 14	1 40	22 59	1 40	5 1	1 7	15 3	1 50	3 21	0 43	7 45	1 54	30 40	13 52	19 22	19 17	20 7		n.a.
S 8	15 26	17 39	0s49	23 10	2 14	24 24	1 41	22 52	1 39	5 7	1 7	15 2	1 50	3 20	0 43	7 46	1 54	30 41	13 53	19 22	19 18	20 8		n.a.
S 9	15 44	14 21	1 58	23 27	2 13	24 35	1 43	22 45	1 38	5 12	1 7	15 1	1 50	3 19	0 43	7 47	1 54	30 41	13 53	19 22	19 18	20 9		n.a.
M10	16 1	10 23	2 59	23 41	2 11	24 44	1 44	22 37	1 36	5 17	1 7	15 0	1 51	3 18	0 43	7 48	1 54	30 41	13 53	19 23	19 19	20 10		n.a.
T 11	16 19	6 0	3 49	23 53	2 8	24 53	1 46	22 30	1 35	5 22	1 7	14 59	1 51	3 17	0 43	7 48	1 54	30 41	13 54	19 24	19 20	20 11		n.a.
W12	16 36	1 25	4 27	24 3	2 4	25 1	1 47	22 23	1 34	5 27	1 7	14 58	1 51	3 16	0 43	7 49	1 54	30 42	13 54	19 26	19 21	20 12		n.a.
T 13	16 53	3n 9	4 51	24 12	2 0	25 8	1 49	22 15	1 33	5 32	1 7	14 58	1 51	3 15	0 43	7 50	1 54	30 42	13 54	19 28	19 21	20 13		n.a.
F 14	17 9	7 31	5 1	24 18	1 55	25 15	1 50	22 7	1 32	5 37	1 7	14 57	1 52	3 14	0 43	7 51	1 55	30 42	13 55	19 31	19 22	20 14		n.a.
S 15	17 25	11 31	4 56	24 23	1 50	25 21	1 51	21 59	1 31	5 42	1 7	14 56	1 52	3 13	0 43	7 51	1 55	30 43	13 55	19 34	19 23	20 15		n.a.
S 16	17 41	15 1	4 38	24 25	1 43	25 26	1 52	21 51	1 30	5 47	1 7	14 55	1 52	3 12	0 43	7 52	1 55	30 43	13 56	19 37	19 24	20 16		n.a.
M17	17 57	17 51	4 8	24 27	1 36	25 31	1 53	21 43	1 29	5 52	1 7	14 55	1 52	3 11	0 43	7 53	1 55	30 43	13 56	19 40	19 24	20 17		n.a.
T 18	18 13	19 55	3 27	24 26	1 28	25 34	1 54	21 35	1 28	5 57	1 7	14 54	1 53	3 10	0 43	7 54	1 55	30 44	13 56	19 42	19 25	20 18		n.a.
W19	18 28	21 6	2 38	24 24	1 20	25 38	1 55	21 27	1 27	6 2	1 7	14 53	1 53	3 10	0 43	7 54	1 55	30 44	13 57	19 43	19 26	20 19		n.a.
T 20	18 43	21 22	1 41	24 21	1 11	25 40	1 56	21 18	1 26	6 7	1 7	14 53	1 53	3 9	0 43	7 55	1 55	30 44	13 57	19 44	19 27	20 20		n.a.
F 21	18 57	20 40	0 40	24 16	1 1	25 41	1 57	21 10	1 25	6 12	1 7	14 52	1 53	3 8	0 43	7 56	1 55	30 45	13 57	19 45	19 27	20 21		n.a.
S 22	19 11	19 3	0n24	24 10	0 51	25 42	1 58	21 1	1 25	6 17	1 7	14 52	1 54	3 7	0 43	7 57	1 55	30 45	13 58	19 45	19 28	20 22		n.a.
S 23	19 25	16 32	1 27	24 3	0 40	25 42	1 58	20 52	1 24	6 22	1 7	14 51	1 54	3 6	0 43	7 57	1 55	30 45	13 58	19 45	19 29	20 23		n.a.
M24	19 39	13 13	2 28	23 54	0 28	25 42	1 59	20 43	1 23	6 26	1 7	14 51	1 54	3 6	0 43	7 58	1 55	30 46	13 58	19 45	19 30	20 24		n.a.
T 25	19 52	9 12	3 24	23 45	0 16	25 41	1 59	20 34	1 22	6 31	1 8	14 50	1 54	3 5	0 43	7 59	1 55	30 46	13 59	19 45	19 31	20 25		n.a.
W26	20 5	4 38	4 10	23 34	0 3	25 38	2 0	20 24	1 21	6 36	1 8	14 50	1 55	3 4	0 43	7 59	1 55	30 47	13 59	19 46	19 31	20 26		n.a.
T 27	20 18	0s20	4 44	23 23	0s10	25 36	2 0	20 15	1 20	6 41	1 8	14 50	1 55	3 3	0 43	8 0	1 55	30 47	13 59	19 47	19 32	20 27		n.a.
F 28	20 30	5 27	5 2	23 10	0 24	25 32	2 0	20 5	1 19	6 45	1 8	14 49	1 55	3 3	0 43	8 1	1 55	30 47	14 0	19 49	19 33	20 28		n.a.
S 29	20 42	10 25	5 1	22 57	0 38	25 28	2 0	19 56	1 18	6 50	1 8	14 49	1 55	3 2	0 43	8 1	1 55	30 48	14 0	19 51	19 34	20 29		n.a.
S 30	20 53	14 51	4 40	22 44	0 53	25 23	2 0	19 46	1 17	6 54	1 8	14 49	1 56	3 1	0 43	8 2	1 55	30 48	14 1	19 53	19 34	20 30		n.a.
M31	21n 5	18s24	3n59	22n29	1s 8	25n17	2n 0	19n36	1n16	6n59	1s 8	14s49	1s56	3s 1	0s43	8n 3	1s55	30s49	14s 1	19n55	19n35	20n30		n.a.

Julian Day Number = 1567773.5, Delta T = 04h19m47s
Ecliptic obliquity = 23°44'41, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'54, Lahiri = - 9°45'54 Julian Calendar 1 May 421 BCE == Greg. Calendar 26 Apr. 421 BCE

The year -420 astronomical counting style corresponds to year 421 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

JUNE 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 17 17	4♊13'33	25♐53	24♊20	11♋58	9♌ 3	20♈30	26♒ 5	24♓11	25♈ 7	11°R57	2°R 8	3♌36	25♊50	n.a.	T 1
W 2	16 21 13	5°10'38	10♑54	24°25	13° 8	9°37	20°42	26° 6	24°13	25° 8	11♒57	2♌ 4	3°33	25°56	n.a.	W 2
T 3	16 25 10	6° 7'43	25°38	24°R25	14°17	10°12	20°54	26° 7	24°14	25°10	11°56	2°D 3	3°29	26° 3	n.a.	T 3
F 4	16 29 6	7° 4'49	10♒ 0	24°20	15°27	10°46	21° 6	26° 8	24°16	25°12	11°56	2° 3	3°26	26°10	n.a.	F 4
S 5	16 33 3	8° 1'55	23°59	24°11	16°37	11°21	21°18	26° 9	24°17	25°14	11°55	2° 3	3°23	26°17	n.a.	S 5
S 6	16 36 59	8°59'01	7♓34	23°58	17°46	11°56	21°29	26° 9	24°19	25°16	11°55	2°R 4	3°20	26°23	n.a.	S 6
M 7	16 40 56	9°56'09	20°48	23°40	18°55	12°31	21°41	26°10	24°20	25°17	11°55	2° 3	3°17	26°30	n.a.	M 7
T 8	16 44 53	10°53'16	3♈42	23°18	20° 5	13° 6	21°52	26°11	24°21	25°19	11°54	2° 1	3°14	26°37	n.a.	T 8
W 9	16 48 49	11°50'24	16°20	22°52	21°14	13°41	22° 4	26°11	24°23	25°21	11°54	1°57	3°10	26°43	n.a.	W 9
T 10	16 52 46	12°47'33	28°45	22°22	22°23	14°17	22°15	26°11	24°24	25°22	11°53	1°50	3° 7	26°50	n.a.	T 10
F 11	16 56 42	13°44'43	10♉59	21°49	23°32	14°52	22°26	26°12	24°25	25°24	11°53	1°42	3° 4	26°57	n.a.	F 11
S 12	17 0 39	14°41'53	23° 4	21°14	24°41	15°28	22°37	26°12	24°26	25°26	11°52	1°33	3° 1	27° 3	n.a.	S 12
S 13	17 4 35	15°39'03	5♊ 2	20°36	25°50	16° 3	22°49	26°R12	24°27	25°27	11°51	1°25	2°58	27°10	n.a.	S 13
M14	17 8 32	16°36'15	16°55	19°57	26°59	16°39	23° 0	26°12	24°28	25°29	11°51	1°17	2°54	27°17	n.a.	M14
T 15	17 12 28	17°33'27	28°45	19°17	28° 8	17°15	23°10	26°12	24°29	25°30	11°50	1°11	2°51	27°23	n.a.	T 15
W16	17 16 25	18°30'39	10♋33	18°36	29°16	17°51	23°21	26°11	24°30	25°32	11°50	1° 7	2°48	27°30	n.a.	W16
T 17	17 20 22	19°27'52	22°21	17°56	0♌25	18°27	23°32	26°11	24°31	25°33	11°49	1° 5	2°45	27°37	n.a.	T 17
F 18	17 24 18	20°25'05	4♌13	17°18	1°33	19° 3	23°43	26°10	24°32	25°35	11°48	1°D 5	2°42	27°43	n.a.	F 18
S 19	17 28 15	21°22'19	16°13	16°41	2°41	19°39	23°53	26°10	24°33	25°36	11°47	1° 5	2°39	27°50	n.a.	S 19
S 20	17 32 11	22°19'33	28°23	16° 7	3°49	20°15	24° 3	26° 9	24°34	25°38	11°47	1° 7	2°35	27°57	n.a.	S 20
M21	17 36 8	23°16'47	10♍50	15°35	4°57	20°52	24°14	26° 8	24°34	25°39	11°46	1° 8	2°32	28° 3	n.a.	M21
T 22	17 40 4	24°14'02	23°36	15° 8	6° 5	21°28	24°24	26° 7	24°35	25°40	11°45	1°R 9	2°29	28°10	n.a.	T 22
W23	17 44 1	25°11'18	6♎46	14°45	7°13	22° 5	24°34	26° 6	24°36	25°42	11°44	1° 8	2°26	28°17	n.a.	W23
T 24	17 47 58	26° 8'34	20°23	14°27	8°21	22°41	24°44	26° 5	24°36	25°43	11°44	1° 6	2°23	28°23	n.a.	T 24
F 25	17 51 54	27° 5'51	4♏29	14°14	9°28	23°18	24°54	26° 4	24°37	25°44	11°43	1° 3	2°20	28°30	n.a.	F 25
S 26	17 55 51	28° 3'08	19° 1	14° 6	10°35	23°55	25° 4	26° 3	24°37	25°46	11°42	0°59	2°16	28°37	n.a.	S 26
S 27	17 59 47	29° 0'26	3♐56	14°D 5	11°43	24°32	25°13	26° 2	24°38	25°47	11°41	0°54	2°13	28°43	n.a.	S 27
M28	18 3 44	29°57'45	19° 5	14° 9	12°50	25° 9	25°23	26° 0	24°38	25°48	11°40	0°50	2°10	28°50	n.a.	M28
T 29	18 7 40	0♋55'05	4♑20	14°20	13°57	25°46	25°32	25°58	24°39	25°49	11°39	0°47	2° 7	28°57	n.a.	T 29
W30	18 11 37	1♋52'26	19♑31	14♊37	15♌ 4	26♌23	25♈41	25♒57	24♓39	25♈50	11♒39	0♌45	2♌ 4	29♊ 3	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n16	20s40	3n 1	22n14	1s23	25n11	2n 0	19n26	1n15	7n 4	1s 8	14s48	1s56	3s 0	0s43	8n 3	1s55	30s49	14s 1	19n56	19n36	20n31		n.a.
W 2	21 26	21 27	1 51	21 59	1 38	25 4	1 59	19 16	1 14	7 8	1 8	14 48	1 57	2 59	0 43	8 4	1 55	30 50	14 2	19 57	19 37	20 32		n.a.
T 3	21 36	20 43	0 34	21 44	1 54	24 56	1 59	19 5	1 13	7 12	1 8	14 48	1 57	2 59	0 43	8 5	1 55	30 50	14 2	19 57	19 37	20 33		n.a.
F 4	21 46	18 39	0s43	21 28	2 10	24 48	1 58	18 55	1 12	7 17	1 8	14 48	1 57	2 58	0 43	8 5	1 55	30 50	14 2	19 57	19 38	20 34		n.a.
S 5	21 56	15 30	1 55	21 12	2 25	24 39	1 58	18 44	1 11	7 21	1 8	14 48	1 57	2 58	0 43	8 6	1 55	30 51	14 3	19 57	19 39	20 35		n.a.
S 6	22 5	11 36	2 59	20 56	2 40	24 29	1 57	18 33	1 10	7 26	1 8	14 48	1 58	2 57	0 43	8 7	1 55	30 51	14 3	19 57	19 40	20 36		n.a.
M 7	22 13	7 14	3 52	20 40	2 55	24 19	1 56	18 23	1 10	7 30	1 8	14 48	1 58	2 57	0 43	8 7	1 55	30 52	14 3	19 57	19 40	20 37		n.a.
T 8	22 22	2 39	4 31	20 25	3 10	24 7	1 55	18 12	1 9	7 34	1 9	14 48	1 58	2 56	0 44	8 8	1 55	30 52	14 4	19 58	19 41	20 38		n.a.
W 9	22 30	1n57	4 56	20 10	3 24	23 56	1 54	18 0	1 8	7 38	1 9	14 48	1 58	2 56	0 44	8 8	1 55	30 53	14 4	19 59	19 42	20 39		n.a.
T 10	22 37	6 23	5 7	19 55	3 37	23 43	1 53	17 49	1 7	7 43	1 9	14 48	1 59	2 55	0 44	8 9	1 55	30 53	14 4	20 0	19 43	20 39		n.a.
F 11	22 44	10 31	5 3	19 41	3 49	23 30	1 52	17 38	1 6	7 47	1 9	14 48	1 59	2 55	0 44	8 9	1 55	30 54	14 5	20 2	19 43	20 40		n.a.
S 12	22 51	14 10	4 46	19 27	4 0	23 17	1 51	17 26	1 5	7 51	1 9	14 49	1 59	2 54	0 44	8 10	1 56	30 54	14 5	20 4	19 44	20 41		n.a.
S 13	22 58	17 12	4 17	19 15	4 10	23 2	1 49	17 15	1 4	7 55	1 9	14 49	1 59	2 54	0 44	8 10	1 56	30 55	14 5	20 6	19 45	20 42		n.a.
M14	23 4	19 31	3 36	19 4	4 19	22 48	1 48	17 3	1 3	7 59	1 9	14 49	2 0	2 53	0 44	8 11	1 56	30 55	14 6	20 8	19 45	20 43		n.a.
T 15	23 9	20 58	2 46	18 53	4 26	22 32	1 46	16 51	1 2	8 3	1 9	14 49	2 0	2 53	0 44	8 12	1 56	30 56	14 6	20 9	19 46	20 44		n.a.
W16	23 14	21 30	1 49	18 44	4 32	22 16	1 45	16 39	1 1	8 7	1 9	14 50	2 0	2 53	0 44	8 12	1 56	30 56	14 6	20 10	19 47	20 45		n.a.
T 17	23 19	21 5	0 47	18 37	4 36	22 0	1 43	16 27	1 1	8 11	1 9	14 50	2 1	2 52	0 44	8 13	1 56	30 56	14 6	20 10	19 48	20 45		n.a.
F 18	23 24	19 43	0n17	18 31	4 38	21 42	1 41	16 15	1 0	8 15	1 10	14 51	2 1	2 52	0 44	8 13	1 56	30 57	14 7	20 10	19 48	20 46		n.a.
S 19	23 28	17 28	1 22	18 27	4 39	21 25	1 39	16 3	0 59	8 18	1 10	14 51	2 1	2 52	0 44	8 14	1 56	30 57	14 7	20 10	19 49	20 47		n.a.
S 20	23 31	14 25	2 23	18 24	4 38	21 7	1 37	15 50	0 58	8 22	1 10	14 52	2 1	2 51	0 44	8 14	1 56	30 58	14 7	20 10	19 50	20 48		n.a.
M21	23 34	10 40	3 20	18 23	4 35	20 48	1 35	15 37	0 57	8 26	1 10	14 52	2 2	2 51	0 44	8 14	1 56	30 58	14 8	20 10	19 51	20 49		n.a.
T 22	23 37	6 22	4 8	18 25	4 31	20 29	1 32	15 25	0 56	8 30	1 10	14 53	2 2	2 51	0 44	8 15	1 56	30 59	14 8	20 9	19 51	20 50		n.a.
W23	23 39	1 38	4 45	18 28	4 26	20 9	1 30	15 12	0 55	8 33	1 10	14 53	2 2	2 51	0 44	8 15	1 56	30 59	14 8	20 10	19 52	20 50		n.a.
T 24	23 41	3s20	5 7	18 33	4 19	19 49	1 27	14 59	0 55	8 37	1 10	14 54	2 2	2 51	0 44	8 16	1 56	31 0	14 8	20 10	19 53	20 51		n.a.
F 25	23 43	8 17	5 12	18 39	4 10	19 28	1 25	14 46	0 54	8 40	1 10	14 54	2 3	2 50	0 44	8 16	1 56	31 0	14 9	20 11	19 54	20 52		n.a.
S 26	23 44	12 56	4 57	18 48	4 1	19 7	1 22	14 33	0 53	8 44	1 10	14 55	2 3	2 50	0 44	8 17	1 56	31 1	14 9	20 12	19 54	20 53		n.a.
S 27	23 44	16 55	4 22	18 58	3 50	18 45	1 19	14 20	0 52	8 47	1 11	14 56	2 3	2 50	0 44	8 17	1 56	31 2	14 9	20 13	19 55	20 54		n.a.
M28	23 45	19 49	3 29	19 10	3 39	18 23	1 16	14 6	0 51	8 51	1 11	14 57	2 3	2 50	0 44	8 17	1 56	31 2	14 10	20 14	19 56	20 54		n.a.
T 29	23 44	21 21	2 20	19 24	3 26	18 1	1 13	13 53	0 50	8 54	1 11	14 57	2 4	2 50	0 44	8 18	1 56	31 3	14 10	20 14	19 56	20 55		n.a.
W30	23n44	21s18	1n 1	19n39	3s13	17n38	1n10	13n39	0n49	8n57	1s11	14s58	2s 4	2s50	0s44	8n18	1s56	31s 3	14s10	20n15	19n57	20n56		n.a.

Julian Day Number = 1567804.5, Delta T = 04h19m46s
Ecliptic obliquity = 23°44'41, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'50, Lahiri = - 9°45'50 Julian Calendar 1 June 421 BCE == Greg. Calendar 27 May 421 BCE

The year -420 astronomical counting style corresponds to year 421 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

JULY 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 15 33	2♋49'48	4♒27	15♊ 0	16♌10	27♌ 0	25♈51	25°R55	24♓39	25♈52	11°R38	0°D45	2♌ 0	29♊10	n.a.	T 1
F 2	18 19 30	3°47'11	19° 2	15°30	17°17	27°38	26° 0	25♒53	24°39	25°53	11♒37	0♌46	1°57	29°17	n.a.	F 2
S 3	18 23 27	4°44'36	3♓12	16° 6	18°23	28°15	26° 9	25°51	24°39	25°54	11°36	0°47	1°54	29°23	n.a.	S 3
S 4	18 27 23	5°42'01	16°55	16°48	19°29	28°53	26°17	25°49	24°40	25°55	11°35	0°48	1°51	29°30	n.a.	S 4
M 5	18 31 20	6°39'29	0♈13	17°37	20°35	29°30	26°26	25°47	24°R40	25°56	11°34	0°49	1°48	29°37	n.a.	M 5
T 6	18 35 16	7°36'57	13° 8	18°32	21°41	0♍ 8	26°35	25°45	24°40	25°57	11°33	0°R49	1°45	29°43	n.a.	T 6
W 7	18 39 13	8°34'27	25°43	19°33	22°47	0°46	26°43	25°42	24°40	25°58	11°32	0°48	1°41	29°50	n.a.	W 7
T 8	18 43 9	9°31'59	8♉ 2	20°40	23°52	1°24	26°51	25°40	24°39	25°59	11°31	0°46	1°38	29°57	n.a.	T 8
F 9	18 47 6	10°29'32	20° 9	21°52	24°58	2° 2	26°59	25°38	24°39	26° 0	11°30	0°44	1°35	0♋ 3	n.a.	F 9
S 10	18 51 2	11°27'07	2♊ 7	23°10	26° 3	2°40	27° 7	25°35	24°39	26° 0	11°29	0°41	1°32	0°10	n.a.	S 10
S 11	18 54 59	12°24'44	13°59	24°34	27° 8	3°18	27°15	25°32	24°39	26° 1	11°28	0°38	1°29	0°17	n.a.	S 11
M12	18 58 56	13°22'21	25°48	26° 2	28°12	3°56	27°23	25°30	24°39	26° 2	11°27	0°35	1°26	0°23	n.a.	M12
T 13	19 2 52	14°20'01	7♋36	27°35	29°17	4°34	27°31	25°27	24°38	26° 3	11°26	0°33	1°22	0°30	n.a.	T 13
W14	19 6 49	15°17'41	19°26	29°12	0♍21	5°13	27°38	25°24	24°38	26° 3	11°24	0°32	1°19	0°37	n.a.	W14
T 15	19 10 45	16°15'23	1♌20	0♋53	1°25	5°51	27°45	25°21	24°37	26° 4	11°23	0°D32	1°16	0°43	n.a.	T 15
F 16	19 14 42	17°13'07	13°20	2°38	2°29	6°30	27°53	25°18	24°37	26° 5	11°22	0°32	1°13	0°50	n.a.	F 16
S 17	19 18 38	18°10'52	25°27	4°26	3°33	7° 8	28° 0	25°14	24°36	26° 5	11°21	0°33	1°10	0°57	n.a.	S 17
S 18	19 22 35	19° 8'38	7♍46	6°17	4°37	7°47	28° 6	25°11	24°36	26° 6	11°20	0°34	1° 6	1° 3	n.a.	S 18
M19	19 26 31	20° 6'25	20°19	8°11	5°40	8°26	28°13	25° 8	24°35	26° 7	11°19	0°35	1° 3	1°10	n.a.	M19
T 20	19 30 28	21° 4'14	3♎ 9	10° 6	6°43	9° 5	28°20	25° 4	24°35	26° 7	11°18	0°36	1° 0	1°17	n.a.	T 20
W21	19 34 25	22° 2'04	16°18	12° 3	7°46	9°44	28°26	25° 1	24°34	26° 8	11°17	0°R36	0°57	1°23	n.a.	W21
T 22	19 38 21	22°59'55	29°50	14° 0	8°48	10°23	28°32	24°57	24°33	26° 8	11°15	0°36	0°54	1°30	n.a.	T 22
F 23	19 42 18	23°57'48	13♏45	15°59	9°50	11° 2	28°38	24°54	24°32	26° 9	11°14	0°36	0°51	1°37	n.a.	F 23
S 24	19 46 14	24°55'42	28° 3	17°58	10°52	11°41	28°44	24°50	24°31	26° 9	11°13	0°35	0°47	1°43	n.a.	S 24
S 25	19 50 11	25°53'37	12♐42	19°58	11°54	12°20	28°50	24°46	24°30	26° 9	11°12	0°35	0°44	1°50	n.a.	S 25
M26	19 54 7	26°51'35	27°37	21°57	12°55	13° 0	28°56	24°43	24°29	26°10	11°11	0°34	0°41	1°57	n.a.	M26
T 27	19 58 4	27°49'33	12♑41	23°56	13°56	13°39	29° 1	24°39	24°28	26°10	11° 9	0°34	0°38	2° 3	n.a.	T 27
W28	20 2 0	28°47'33	27°45	25°55	14°57	14°18	29° 7	24°35	24°27	26°10	11° 8	0°D34	0°35	2°10	n.a.	W28
T 29	20 5 57	29°45'35	12♒41	27°53	15°57	14°58	29°12	24°31	24°26	26°11	11° 7	0°34	0°32	2°17	n.a.	T 29
F 30	20 9 54	0♌43'39	27°20	29°51	16°57	15°38	29°17	24°27	24°25	26°11	11° 6	0°R34	0°28	2°23	n.a.	F 30
S 31	20 13 50	1♌41'45	11♓37	1♌47	17♍57	16♍17	29♈21	24♒23	24♓24	26♈11	11♒ 5	0♌34	0♌25	2♋30	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n43	19s43	0s20	19n55	2s59	17n15	1n 6	13n26	0n49	9n 0	1s11	14s59	2s 4	2s50	0s44	8n19	1s57	31s 4	14s10	20n15	19n58	20n57			n.a.
F 2	23 41	16 52	1 39	20 13	2 45	16 51	1 3	13 12	0 48	9 4	1 11	15 0	2 4	2 50	0 44	8 19	1 57	31 4	14 11	20 15	19 59	20 58			n.a.
S 3	23 39	13 5	2 49	20 31	2 30	16 27	0 59	12 58	0 47	9 7	1 11	15 1	2 5	2 50	0 44	8 19	1 57	31 5	14 11	20 14	19 59	20 58			n.a.
S 4	23 37	8 43	3 47	20 50	2 15	16 3	0 56	12 44	0 46	9 10	1 11	15 2	2 5	2 50	0 44	8 20	1 57	31 5	14 11	20 14	20 0	20 59			n.a.
M 5	23 34	4 3	4 31	21 10	2 0	15 38	0 52	12 30	0 45	9 13	1 12	15 3	2 5	2 50	0 44	8 20	1 57	31 6	14 11	20 14	20 1	21 0			n.a.
T 6	23 31	0n39	5 0	21 30	1 45	15 13	0 48	12 16	0 44	9 16	1 12	15 4	2 5	2 50	0 44	8 20	1 57	31 6	14 12	20 14	20 2	21 1			n.a.
W 7	23 28	5 12	5 14	21 50	1 30	14 48	0 44	12 1	0 44	9 19	1 12	15 5	2 6	2 50	0 45	8 20	1 57	31 7	14 12	20 14	20 2	21 1			n.a.
T 8	23 24	9 26	5 13	22 10	1 15	14 22	0 40	11 47	0 43	9 22	1 12	15 6	2 6	2 50	0 45	8 21	1 57	31 7	14 12	20 14	20 3	21 2			n.a.
F 9	23 19	13 14	4 57	22 30	1 0	13 56	0 36	11 32	0 42	9 25	1 12	15 7	2 6	2 50	0 45	8 21	1 57	31 8	14 12	20 15	20 4	21 3			n.a.
S 10	23 15	16 27	4 29	22 49	0 45	13 30	0 32	11 18	0 41	9 27	1 12	15 8	2 6	2 50	0 45	8 21	1 57	31 8	14 12	20 16	20 4	21 4			n.a.
S 11	23 9	18 58	3 50	23 7	0 31	13 3	0 27	11 3	0 40	9 30	1 12	15 9	2 7	2 50	0 45	8 21	1 57	31 9	14 13	20 16	20 5	21 4			n.a.
M12	23 4	20 40	3 0	23 24	0 17	12 36	0 23	10 48	0 39	9 33	1 13	15 10	2 7	2 50	0 45	8 22	1 57	31 9	14 13	20 17	20 6	21 5			n.a.
T 13	22 58	21 28	2 4	23 40	0 4	12 9	0 18	10 33	0 39	9 35	1 13	15 11	2 7	2 50	0 45	8 22	1 57	31 10	14 13	20 17	20 6	21 6			n.a.
W14	22 51	21 19	1 1	23 54	0n 9	11 42	0 14	10 18	0 38	9 38	1 13	15 13	2 7	2 51	0 45	8 22	1 57	31 10	14 13	20 18	20 7	21 7			n.a.
T 15	22 44	20 11	0n 4	24 6	0 21	11 15	0 9	10 3	0 37	9 40	1 13	15 14	2 7	2 51	0 45	8 22	1 57	31 11	14 13	20 18	20 8	21 7			n.a.
F 16	22 37	18 9	1 10	24 16	0 33	10 47	0 4	9 48	0 36	9 43	1 13	15 15	2 8	2 51	0 45	8 23	1 57	31 11	14 14	20 18	20 9	21 8			n.a.
S 17	22 30	15 18	2 14	24 23	0 43	10 19	0s 1	9 33	0 35	9 45	1 13	15 16	2 8	2 51	0 45	8 23	1 57	31 12	14 14	20 17	20 9	21 9			n.a.
S 18	22 21	11 44	3 12	24 29	0 53	9 51	0 6	9 17	0 35	9 48	1 13	15 18	2 8	2 51	0 45	8 23	1 58	31 12	14 14	20 17	20 10	21 10			n.a.
M19	22 13	7 35	4 3	24 31	1 2	9 23	0 11	9 2	0 34	9 50	1 14	15 19	2 8	2 52	0 45	8 23	1 58	31 13	14 14	20 17	20 11	21 10			n.a.
T 20	22 4	3 2	4 42	24 32	1 10	8 55	0 16	8 47	0 33	9 52	1 14	15 20	2 8	2 52	0 45	8 23	1 58	31 13	14 14	20 17	20 11	21 11			n.a.
W21	21 55	1s46	5 8	24 29	1 18	8 26	0 21	8 31	0 32	9 54	1 14	15 22	2 9	2 52	0 45	8 23	1 58	31 14	14 14	20 17	20 12	21 12			n.a.
T 22	21 45	6 36	5 18	24 24	1 24	7 57	0 27	8 15	0 31	9 56	1 14	15 23	2 9	2 53	0 45	8 23	1 58	31 14	14 14	20 17	20 13	21 12			n.a.
F 23	21 35	11 15	5 9	24 16	1 30	7 29	0 32	7 59	0 31	9 58	1 14	15 25	2 9	2 53	0 45	8 23	1 58	31 15	14 15	20 17	20 14	21 13			n.a.
S 24	21 25	15 24	4 42	24 5	1 35	7 0	0 38	7 44	0 30	10 0	1 14	15 26	2 9	2 53	0 45	8 24	1 58	31 15	14 15	20 17	20 14	21 14			n.a.
S 25	21 14	18 43	3 56	23 52	1 39	6 31	0 44	7 28	0 29	10 2	1 15	15 28	2 9	2 54	0 45	8 24	1 58	31 16	14 15	20 17	20 15	21 14			n.a.
M26	21 3	20 50	2 53	23 36	1 42	6 2	0 49	7 12	0 28	10 4	1 15	15 29	2 10	2 54	0 45	8 24	1 58	31 16	14 15	20 17	20 16	21 15			n.a.
T 27	20 52	21 30	1 38	23 18	1 44	5 33	0 55	6 56	0 27	10 6	1 15	15 30	2 10	2 55	0 45	8 24	1 58	31 17	14 15	20 17	20 16	21 16			n.a.
W28	20 40	20 37	0 16	22 58	1 46	5 4	1 1	6 40	0 27	10 8	1 15	15 32	2 10	2 55	0 45	8 24	1 58	31 17	14 15	20 17	20 17	21 16			n.a.
T 29	20 28	18 17	1s 7	22 36	1 47	4 35	1 7	6 23	0 26	10 9	1 15	15 33	2 10	2 56	0 45	8 24	1 58	31 18	14 15	20 17	20 18	21 17			n.a.
F 30	20 15	14 48	2 23	22 12	1 47	4 5	1 13	6 7	0 25	10 11	1 15	15 35	2 10	2 56	0 45	8 24	1 58	31 18	14 15	20 17	20 18	21 18			n.a.
S 31	20n 2	10s30	3s29	21n45	1n47	3n36	1s20	5n51	0n24	10n13	1s16	15s37	2s10	2s57	0s45	8n24	1s58	31s18	14s15	20n17	20n19	21n18			n.a.

Julian Day Number = 1567834.5, Delta T = 04h19m45s
Ecliptic obliquity = 23°44'41, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'46, Lahiri = - 9°45'46 Julian Calendar 1 July 421 BCE == Greg. Calendar 26 June 421 BCE

The year -420 astronomical counting style corresponds to year 421 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

AUGUST 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 17 47	2♌39'52	25♓29	3♌43	18♍56	16♍57	29♈26	24°R19	24°R23	26♈11	11°R 3	0°R34	0♌22	2♋37	n.a.	S 1
M 2	20 21 43	3°38'02	8♈54	5°37	19°55	17°37	29°30	24♒14	24♓22	26°11	11♒ 2	0♌34	0°19	2°43	n.a.	M 2
T 3	20 25 40	4°36'14	21°53	7°31	20°54	18°17	29°35	24°10	24°20	26°11	11° 1	0°33	0°16	2°50	n.a.	T 3
W 4	20 29 36	5°34'28	4♉31	9°23	21°52	18°57	29°39	24° 6	24°19	26°11	11° 0	0°D33	0°12	2°57	n.a.	W 4
T 5	20 33 33	6°32'44	16°50	11°14	22°50	19°37	29°43	24° 2	24°18	26°R11	10°58	0°33	0° 9	3° 3	n.a.	T 5
F 6	20 37 29	7°31'02	28°54	13° 4	23°47	20°17	29°46	23°57	24°16	26°11	10°57	0°34	0° 6	3°10	n.a.	F 6
S 7	20 41 26	8°29'23	10♊49	14°53	24°44	20°58	29°50	23°53	24°15	26°11	10°56	0°34	0° 3	3°17	n.a.	S 7
S 8	20 45 23	9°27'46	22°39	16°41	25°41	21°38	29°53	23°48	24°13	26°11	10°55	0°35	29♋59	3°23	n.a.	S 8
M 9	20 49 19	10°26'11	4♋27	18°28	26°37	22°18	29°56	23°44	24°12	26°11	10°53	0°36	29°57	3°30	n.a.	M 9
T 10	20 53 16	11°24'38	16°17	20°13	27°32	22°59	29°59	23°39	24°10	26°11	10°52	0°37	29°53	3°37	n.a.	T 10
W11	20 57 12	12°23'07	28°12	21°58	28°27	23°39	0♉ 2	23°35	24° 8	26°11	10°51	0°R37	29°50	3°43	n.a.	W11
T 12	21 1 9	13°21'38	10♌15	23°41	29°22	24°20	0° 5	23°30	24° 7	26°10	10°50	0°37	29°47	3°50	n.a.	T 12
F 13	21 5 5	14°20'11	22°26	25°23	0♎16	25° 1	0° 7	23°26	24° 5	26°10	10°48	0°36	29°44	3°57	n.a.	F 13
S 14	21 9 2	15°18'46	4♍49	27° 5	1° 9	25°42	0° 9	23°21	24° 3	26°10	10°47	0°35	29°41	4° 3	n.a.	S 14
S 15	21 12 58	16°17'23	17°23	28°45	2° 2	26°23	0°11	23°16	24° 2	26° 9	10°46	0°33	29°37	4°10	n.a.	S 15
M16	21 16 55	17°16'02	0♎11	0♍24	2°54	27° 4	0°13	23°12	24° 0	26° 9	10°45	0°30	29°34	4°17	n.a.	M16
T 17	21 20 51	18°14'43	13°13	2° 2	3°46	27°45	0°15	23° 7	23°58	26° 9	10°43	0°28	29°31	4°23	n.a.	T 17
W18	21 24 48	19°13'26	26°30	3°39	4°37	28°26	0°16	23° 2	23°56	26° 8	10°42	0°26	29°28	4°30	n.a.	W18
T 19	21 28 45	20°12'10	10♏ 3	5°15	5°27	29° 7	0°17	22°58	23°54	26° 8	10°41	0°25	29°25	4°37	n.a.	T 19
F 20	21 32 41	21°10'57	23°52	6°50	6°17	29°48	0°18	22°53	23°52	26° 7	10°40	0°D25	29°22	4°43	n.a.	F 20
S 21	21 36 38	22° 9'45	7♐58	8°24	7° 6	0♎29	0°19	22°48	23°50	26° 7	10°38	0°25	29°18	4°50	n.a.	S 21
S 22	21 40 34	23° 8'35	22°18	9°57	7°54	1°11	0°20	22°44	23°48	26° 6	10°37	0°26	29°15	4°56	n.a.	S 22
M23	21 44 31	24° 7'27	6♑50	11°29	8°41	1°52	0°20	22°39	23°46	26° 6	10°36	0°28	29°12	5° 3	n.a.	M23
T 24	21 48 27	25° 6'20	21°31	13° 0	9°28	2°34	0°20	22°34	23°44	26° 5	10°35	0°29	29° 9	5°10	n.a.	T 24
W25	21 52 24	26° 5'16	6♒15	14°30	10°13	3°15	0°R20	22°29	23°42	26° 4	10°34	0°R29	29° 6	5°16	n.a.	W25
T 26	21 56 20	27° 4'14	20°55	15°59	10°58	3°57	0°20	22°25	23°40	26° 4	10°32	0°28	29° 3	5°23	n.a.	T 26
F 27	22 0 17	28° 3'13	5♓25	17°27	11°42	4°39	0°20	22°20	23°38	26° 3	10°31	0°25	28°59	5°30	n.a.	F 27
S 28	22 4 14	29° 2'15	19°39	18°54	12°25	5°21	0°19	22°15	23°36	26° 2	10°30	0°22	28°56	5°36	n.a.	S 28
S 29	22 8 10	0♍ 1'19	3♈31	20°20	13° 7	6° 3	0°18	22°11	23°34	26° 2	10°29	0°17	28°53	5°43	n.a.	S 29
M30	22 12 7	1° 0'25	16°59	21°46	13°47	6°44	0°17	22° 6	23°31	26° 1	10°28	0°12	28°50	5°50	n.a.	M30
T 31	22 16 3	1♍59'34	0♉ 2	23♍10	14♎27	7♎26	0♉16	22♒ 2	23♓29	26♈ 0	10♒27	0♌ 8	28♋47	5♋56	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	19n49	5s47	4s20	21n17	1n46	3n 7	1s26	5n34	0n23	10n14	1s16	15s38	2s11	2s57	0s45	8n24	1s58	31s19	14s16	20n17	20n20	21n19			n.a.
M 2	19 35	0 57	4 55	20 48	1 45	2 38	1 32	5 18	0 23	10 15	1 16	15 40	2 11	2 58	0 45	8 24	1 59	31 19	14 16	20 17	20 20	21 20			n.a.
T 3	19 21	3n47	5 14	20 17	1 43	2 9	1 39	5 1	0 22	10 17	1 16	15 41	2 11	2 58	0 45	8 24	1 59	31 20	14 16	20 17	20 21	21 20			n.a.
W 4	19 7	8 13	5 17	19 45	1 40	1 39	1 45	4 45	0 21	10 18	1 16	15 43	2 11	2 59	0 45	8 24	1 59	31 20	14 16	20 17	20 22	21 21			n.a.
T 5	18 52	12 12	5 5	19 11	1 38	1 10	1 52	4 28	0 20	10 19	1 16	15 44	2 11	2 59	0 45	8 24	1 59	31 21	14 16	20 17	20 23	21 22			n.a.
F 6	18 38	15 37	4 40	18 37	1 34	0 41	1 58	4 12	0 20	10 20	1 17	15 46	2 11	3 0	0 45	8 24	1 59	31 21	14 16	20 17	20 23	21 22			n.a.
S 7	18 22	18 21	4 3	18 1	1 30	0 12	2 5	3 55	0 19	10 22	1 17	15 48	2 11	3 0	0 45	8 24	1 59	31 22	14 16	20 17	20 24	21 23			n.a.
S 8	18 7	20 17	3 16	17 24	1 26	0s16	2 12	3 38	0 18	10 23	1 17	15 49	2 12	3 1	0 45	8 23	1 59	31 22	14 16	20 17	20 25	21 24			n.a.
M 9	17 51	21 20	2 20	16 47	1 22	0 45	2 19	3 21	0 17	10 24	1 17	15 51	2 12	3 2	0 45	8 23	1 59	31 22	14 16	20 17	20 25	21 24			n.a.
T 10	17 35	21 26	1 19	16 9	1 17	1 14	2 25	3 4	0 16	10 24	1 17	15 53	2 12	3 2	0 46	8 23	1 59	31 23	14 16	20 17	20 26	21 25			n.a.
W11	17 18	20 34	0 13	15 30	1 12	1 42	2 32	2 47	0 16	10 25	1 17	15 54	2 12	3 3	0 46	8 23	1 59	31 23	14 16	20 16	20 27	21 25			n.a.
T 12	17 1	18 45	0n53	14 50	1 7	2 11	2 39	2 30	0 15	10 26	1 18	15 56	2 12	3 4	0 46	8 23	1 59	31 24	14 16	20 16	20 27	21 26			n.a.
F 13	16 44	16 4	1 58	14 10	1 1	2 39	2 46	2 13	0 14	10 27	1 18	15 57	2 12	3 4	0 46	8 23	1 59	31 24	14 16	20 17	20 28	21 27			n.a.
S 14	16 27	12 37	2 58	13 30	0 55	3 7	2 54	1 56	0 13	10 27	1 18	15 59	2 12	3 5	0 46	8 23	1 59	31 24	14 16	20 17	20 29	21 27			n.a.
S 15	16 9	8 35	3 51	12 49	0 49	3 35	3 1	1 39	0 13	10 28	1 18	16 1	2 12	3 6	0 46	8 22	1 59	31 25	14 16	20 17	20 29	21 28			n.a.
M16	15 51	4 5	4 33	12 8	0 43	4 2	3 8	1 22	0 12	10 28	1 18	16 2	2 12	3 7	0 46	8 22	1 59	31 25	14 16	20 18	20 30	21 28			n.a.
T 17	15 33	0s40	5 2	11 27	0 36	4 30	3 15	1 5	0 11	10 29	1 18	16 4	2 13	3 7	0 46	8 22	1 59	31 25	14 16	20 18	20 31	21 29			n.a.
W18	15 15	5 28	5 15	10 45	0 30	4 57	3 22	0 47	0 10	10 29	1 19	16 6	2 13	3 8	0 46	8 22	2 0	31 26	14 16	20 19	20 31	21 30			n.a.
T 19	14 56	10 6	5 11	10 4	0 23	5 24	3 30	0 30	0 10	10 29	1 19	16 7	2 13	3 9	0 46	8 22	2 0	31 26	14 16	20 19	20 32	21 30			n.a.
F 20	14 37	14 18	4 50	9 22	0 16	5 50	3 37	0 13	0 9	10 30	1 19	16 9	2 13	3 10	0 46	8 21	2 0	31 26	14 16	20 19	20 33	21 31			n.a.
S 21	14 18	17 48	4 11	8 40	0 9	6 17	3 44	0s 4	0 8	10 30	1 19	16 11	2 13	3 11	0 46	8 21	2 0	31 27	14 16	20 19	20 33	21 31			n.a.
S 22	13 59	20 16	3 15	7 58	0 2	6 43	3 52	0 22	0 7	10 30	1 19	16 12	2 13	3 11	0 46	8 21	2 0	31 27	14 16	20 19	20 34	21 32			n.a.
M23	13 39	21 27	2 7	7 16	0s 6	7 8	3 59	0 39	0 7	10 30	1 19	16 14	2 13	3 12	0 46	8 21	2 0	31 27	14 16	20 19	20 35	21 32			n.a.
T 24	13 19	21 11	0 49	6 34	0 13	7 34	4 7	0 57	0 6	10 30	1 20	16 15	2 13	3 13	0 46	8 20	2 0	31 28	14 16	20 18	20 35	21 33			n.a.
W25	12 59	19 28	0s32	5 52	0 20	7 59	4 14	1 14	0 5	10 30	1 20	16 17	2 13	3 14	0 46	8 20	2 0	31 28	14 16	20 18	20 36	21 33			n.a.
T 26	12 39	16 26	1 50	5 10	0 28	8 23	4 21	1 31	0 4	10 29	1 20	16 19	2 13	3 15	0 46	8 20	2 0	31 28	14 16	20 19	20 37	21 34			n.a.
F 27	12 18	12 26	3 0	4 29	0 35	8 48	4 29	1 49	0 4	10 29	1 20	16 20	2 13	3 16	0 46	8 19	2 0	31 29	14 16	20 19	20 37	21 35			n.a.
S 28	11 57	7 47	3 58	3 47	0 43	9 12	4 36	2 6	0 3	10 29	1 20	16 22	2 13	3 16	0 46	8 19	2 0	31 29	14 16	20 20	20 38	21 35			n.a.
S 29	11 36	2 51	4 40	3 6	0 50	9 35	4 44	2 24	0 2	10 28	1 20	16 23	2 13	3 17	0 46	8 19	2 0	31 29	14 16	20 21	20 39	21 36			n.a.
M30	11 15	2n 4	5 5	2 25	0 58	9 58	4 51	2 41	0 1	10 28	1 21	16 25	2 13	3 18	0 46	8 18	2 0	31 29	14 15	20 22	20 39	21 36			n.a.
T 31	10n54	6n45	5s13	1n45	1s 5	10s20	4s58	2s59	0n 1	10n27	1s21	16s27	2s13	3s19	0s46	8n18	2s 0	31s30	14s15	20n23	20n40	21n37			n.a.

Julian Day Number = 1567865.5, Delta T = 04h19m43s
Ecliptic obliquity = 23°44'41, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'42, Lahiri = - 9°45'41 Julian Calendar 1 Aug. 421 BCE == Greg. Calendar 27 July 421 BCE

The year -420 astronomical counting style corresponds to year 421 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

SEPTEMBER 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 20 0	2♍58'45	12♉43	24♍33	15♎ 6	8♎ 9	0°R15	21°R57	23°R27	25°R59	10°R25	0°R 5	28♋43	6♋ 3	n.a.	W 1
T 2	22 23 56	3°57'59	25° 4	25°55	15°43	8°51	0♉13	21♒52	23♓25	25♈58	10♒24	0♌ 3	28°40	6°10	n.a.	T 2
F 3	22 27 53	4°57'15	7♊ 9	27°16	16°19	9°33	0°11	21°48	23°23	25°57	10°23	0°D 3	28°37	6°16	n.a.	F 3
S 4	22 31 49	5°56'33	19° 4	28°36	16°54	10°15	0° 9	21°43	23°20	25°56	10°22	0° 3	28°34	6°23	n.a.	S 4
S 5	22 35 46	6°55'54	0♋53	29°54	17°28	10°58	0° 7	21°39	23°18	25°55	10°21	0° 5	28°31	6°30	n.a.	S 5
M 6	22 39 43	7°55'17	12°42	1♎11	18° 0	11°40	0° 5	21°35	23°16	25°54	10°20	0° 7	28°28	6°36	n.a.	M 6
T 7	22 43 39	8°54'43	24°34	2°27	18°31	12°23	0° 2	21°30	23°13	25°53	10°19	0°R 8	28°24	6°43	n.a.	T 7
W 8	22 47 36	9°54'11	6♌35	3°41	19° 0	13° 5	29♈59	21°26	23°11	25°52	10°18	0° 8	28°21	6°50	n.a.	W 8
T 9	22 51 32	10°53'41	18°47	4°54	19°28	13°48	29°57	21°22	23° 8	25°51	10°17	0° 6	28°18	6°56	n.a.	T 9
F 10	22 55 29	11°53'14	1♍13	6° 5	19°54	14°31	29°53	21°17	23° 6	25°50	10°16	0° 2	28°15	7° 3	n.a.	F 10
S 11	22 59 25	12°52'49	13°53	7°15	20°19	15°14	29°50	21°13	23° 4	25°49	10°15	29♋56	28°12	7°10	n.a.	S 11
S 12	23 3 22	13°52'25	26°49	8°22	20°42	15°56	29°46	21° 9	23° 1	25°48	10°14	29°49	28° 9	7°16	n.a.	S 12
M13	23 7 18	14°52'04	10♎ 0	9°27	21° 3	16°39	29°43	21° 5	22°59	25°47	10°13	29°41	28° 5	7°23	n.a.	M13
T 14	23 11 15	15°51'45	23°24	10°30	21°22	17°22	29°39	21° 1	22°56	25°46	10°12	29°33	28° 2	7°30	n.a.	T 14
W15	23 15 11	16°51'28	6♏59	11°30	21°40	18° 5	29°35	20°57	22°54	25°44	10°11	29°27	27°59	7°36	n.a.	W15
T 16	23 19 8	17°51'12	20°45	12°28	21°55	18°49	29°30	20°53	22°52	25°43	10°10	29°21	27°56	7°43	n.a.	T 16
F 17	23 23 5	18°50'59	4♐38	13°23	22° 9	19°32	29°26	20°49	22°49	25°42	10° 9	29°18	27°53	7°50	n.a.	F 17
S 18	23 27 1	19°50'47	18°40	14°14	22°20	20°15	29°21	20°45	22°47	25°40	10° 8	29°D17	27°49	7°56	n.a.	S 18
S 19	23 30 58	20°50'38	2♑47	15° 1	22°29	20°58	29°16	20°41	22°44	25°39	10° 7	29°18	27°46	8° 3	n.a.	S 19
M20	23 34 54	21°50'30	16°59	15°44	22°36	21°42	29°11	20°38	22°42	25°38	10° 6	29°19	27°43	8°10	n.a.	M20
T 21	23 38 51	22°50'23	1♒16	16°23	22°40	22°25	29° 6	20°34	22°39	25°36	10° 5	29°R19	27°40	8°16	n.a.	T 21
W22	23 42 47	23°50'19	15°33	16°56	22°R43	23° 9	29° 1	20°31	22°37	25°35	10° 4	29°18	27°37	8°23	n.a.	W22
T 23	23 46 44	24°50'16	29°47	17°24	22°43	23°53	28°55	20°27	22°34	25°34	10° 3	29°15	27°34	8°29	n.a.	T 23
F 24	23 50 40	25°50'15	13♓55	17°46	22°40	24°36	28°50	20°24	22°32	25°32	10° 3	29° 9	27°30	8°36	n.a.	F 24
S 25	23 54 37	26°50'16	27°51	18° 2	22°35	25°20	28°44	20°21	22°30	25°31	10° 2	29° 0	27°27	8°43	n.a.	S 25
S 26	23 58 33	27°50'19	11♈32	18°R 9	22°28	26° 4	28°38	20°17	22°27	25°29	10° 1	28°50	27°24	8°49	n.a.	S 26
M27	0 2 30	28°50'24	24°54	18° 9	22°18	26°48	28°32	20°14	22°25	25°28	10° 0	28°40	27°21	8°56	n.a.	M27
T 28	0 6 27	29°50'31	7♉54	18° 1	22° 6	27°31	28°26	20°11	22°22	25°26	10° 0	28°30	27°18	9° 3	n.a.	T 28
W29	0 10 23	0♎50'41	20°35	17°43	21°51	28°15	28°19	20° 8	22°20	25°25	9°59	28°21	27°14	9° 9	n.a.	W29
T 30	0 14 20	1♎50'52	2♊56	17♎16	21♎34	28♎59	28♈13	20♒ 5	22♓17	25♈23	9♒58	28♋15	27♋11	9♋16	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n32	11n 0	5s 5	1n 5	1s13	10s42	5s 6	3s16	0s 0	10n27	1s21	16s28	2s13	3s20	0s46	8n18	2s 0	31s30	14s15	20n23	20n41	21n37		n.a.
T 2	10 11	14 41	4 44	0 25	1 20	11 4	5 13	3 34	0 1	10 26	1 21	16 30	2 13	3 21	0 46	8 17	2 0	31 30	14 15	20 24	20 41	21 38		n.a.
F 3	9 49	17 41	4 10	0s14	1 28	11 24	5 20	3 51	0 1	10 25	1 21	16 31	2 13	3 22	0 46	8 17	2 0	31 30	14 15	20 24	20 42	21 38		n.a.
S 4	9 27	19 52	3 26	0 53	1 35	11 45	5 27	4 9	0 2	10 24	1 21	16 33	2 13	3 23	0 46	8 17	2 1	31 31	14 15	20 24	20 43	21 39		n.a.
S 5	9 5	21 12	2 33	1 31	1 42	12 4	5 34	4 26	0 3	10 23	1 21	16 34	2 13	3 24	0 46	8 16	2 1	31 31	14 15	20 23	20 43	21 39		n.a.
M 6	8 42	21 35	1 34	2 9	1 49	12 23	5 41	4 44	0 4	10 22	1 22	16 35	2 13	3 25	0 46	8 16	2 1	31 31	14 15	20 23	20 44	21 40		n.a.
T 7	8 20	20 59	0 30	2 46	1 56	12 42	5 48	5 1	0 4	10 21	1 22	16 37	2 13	3 26	0 46	8 15	2 1	31 31	14 15	20 23	20 45	21 40		n.a.
W 8	7 57	19 26	0n35	3 22	2 3	12 59	5 55	5 19	0 5	10 20	1 22	16 38	2 13	3 27	0 46	8 15	2 1	31 31	14 14	20 23	20 45	21 41		n.a.
T 9	7 34	16 58	1 40	3 57	2 10	13 16	6 2	5 36	0 6	10 19	1 22	16 40	2 13	3 27	0 46	8 14	2 1	31 32	14 14	20 23	20 46	21 41		n.a.
F 10	7 11	13 41	2 41	4 32	2 17	13 33	6 8	5 53	0 7	10 18	1 22	16 41	2 13	3 28	0 46	8 14	2 1	31 32	14 14	20 24	20 47	21 42		n.a.
S 11	6 48	9 43	3 35	5 6	2 23	13 48	6 15	6 11	0 7	10 16	1 22	16 42	2 13	3 29	0 46	8 14	2 1	31 32	14 14	20 25	20 47	21 42		n.a.
S 12	6 25	5 14	4 19	5 38	2 29	14 3	6 21	6 28	0 8	10 15	1 22	16 44	2 13	3 30	0 46	8 13	2 1	31 32	14 14	20 27	20 48	21 42		n.a.
M13	6 2	0 26	4 50	6 9	2 35	14 16	6 27	6 46	0 9	10 14	1 22	16 45	2 13	3 31	0 46	8 13	2 1	31 32	14 14	20 29	20 48	21 43		n.a.
T 14	5 39	4s28	5 6	6 40	2 40	14 29	6 33	7 3	0 9	10 12	1 23	16 46	2 13	3 32	0 46	8 12	2 1	31 32	14 13	20 30	20 49	21 43		n.a.
W15	5 15	9 13	5 5	7 8	2 45	14 41	6 38	7 20	0 10	10 11	1 23	16 48	2 13	3 33	0 46	8 12	2 1	31 32	14 13	20 32	20 50	21 44		n.a.
T 16	4 52	13 33	4 47	7 35	2 50	14 52	6 44	7 38	0 11	10 9	1 23	16 49	2 13	3 34	0 46	8 11	2 1	31 33	14 13	20 33	20 50	21 44		n.a.
F 17	4 28	17 13	4 12	8 1	2 54	15 2	6 49	7 55	0 11	10 7	1 23	16 50	2 13	3 35	0 46	8 11	2 1	31 33	14 13	20 33	20 51	21 45		n.a.
S 18	4 4	19 55	3 21	8 25	2 58	15 11	6 54	8 12	0 12	10 5	1 23	16 51	2 13	3 36	0 46	8 10	2 1	31 33	14 13	20 34	20 52	21 45		n.a.
S 19	3 40	21 25	2 18	8 46	3 2	15 18	6 58	8 29	0 13	10 4	1 23	16 52	2 13	3 37	0 46	8 10	2 1	31 33	14 13	20 34	20 52	21 46		n.a.
M20	3 17	21 34	1 6	9 6	3 4	15 25	7 2	8 46	0 13	10 2	1 23	16 53	2 13	3 38	0 46	8 9	2 1	31 33	14 12	20 33	20 53	21 46		n.a.
T 21	2 53	20 18	0s10	9 23	3 6	15 30	7 6	9 3	0 14	10 0	1 23	16 55	2 13	3 39	0 46	8 9	2 1	31 33	14 12	20 33	20 54	21 46		n.a.
W22	2 29	17 45	1 26	9 37	3 8	15 34	7 10	9 20	0 15	9 58	1 23	16 56	2 12	3 40	0 46	8 8	2 1	31 33	14 12	20 33	20 54	21 47		n.a.
T 23	2 5	14 7	2 36	9 48	3 8	15 37	7 13	9 37	0 16	9 56	1 23	16 57	2 12	3 41	0 46	8 8	2 1	31 33	14 12	20 34	20 55	21 47		n.a.
F 24	1 40	9 43	3 35	9 56	3 7	15 38	7 15	9 54	0 16	9 54	1 24	16 58	2 12	3 42	0 46	8 7	2 1	31 33	14 12	20 35	20 56	21 48		n.a.
S 25	1 16	4 51	4 21	10 1	3 6	15 38	7 17	10 11	0 17	9 52	1 24	16 59	2 12	3 43	0 46	8 6	2 1	31 33	14 11	20 37	20 56	21 48		n.a.
S 26	0 52	0n10	4 51	10 1	3 3	15 36	7 18	10 28	0 18	9 49	1 24	17 0	2 12	3 44	0 46	8 6	2 1	31 33	14 11	20 39	20 57	21 48		n.a.
M27	0 28	5 3	5 4	9 57	2 59	15 33	7 19	10 44	0 18	9 47	1 24	17 1	2 12	3 45	0 46	8 5	2 1	31 33	14 11	20 41	20 57	21 49		n.a.
T 28	0 4	9 35	5 0	9 49	2 53	15 29	7 20	11 1	0 19	9 45	1 24	17 1	2 12	3 46	0 46	8 5	2 1	31 33	14 11	20 44	20 58	21 49		n.a.
W29	0s20	13 35	4 42	9 35	2 46	15 23	7 19	11 18	0 20	9 43	1 24	17 2	2 12	3 47	0 46	8 4	2 2	31 33	14 10	20 45	20 59	21 50		n.a.
T 30	0s45	16n55	4s11	9s17	2s37	15s16	7s18	11s34	0s20	9n40	1s24	17s 3	2s12	3s48	0s46	8n 4	2s 2	31s33	14s10	20n47	20n59	21n50		n.a.

Julian Day Number = 1567896.5, Delta T = 04h19m42s
Ecliptic obliquity = 23°44'42, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'38, Lahiri = - 9°45'37 Julian Calendar 1 Sept. 421 BCE == Greg. Calendar 27 Aug. 421 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

OCTOBER 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 18 16	2♎51'06	15♊ 2	16°R40	21°R15	29♎44	28°R 6	20°R 2	22°R15	25°R22	9°R57	28°R10	27♋ 8	9♋23	n.a.	F 1
S 2	0 22 13	3°51'22	26°57	15♎54	20♎53	0♏28	27♈59	20♒ 0	22♓13	25♈20	9♒57	28♋ 9	27° 5	9°29	n.a.	S 2
S 3	0 26 9	4°51'40	8♋46	14°59	20°30	1°12	27°52	19°57	22°10	25°19	9°56	28°D 8	27° 2	9°36	n.a.	S 3
M 4	0 30 6	5°52'00	20°34	13°56	20° 4	1°56	27°45	19°55	22° 8	25°17	9°56	28° 9	26°59	9°43	n.a.	M 4
T 5	0 34 2	6°52'22	2♌28	12°46	19°37	2°41	27°38	19°52	22° 6	25°16	9°55	28°R 9	26°55	9°49	n.a.	T 5
W 6	0 37 59	7°52'46	14°31	11°30	19° 7	3°25	27°31	19°50	22° 3	25°14	9°54	28° 8	26°52	9°56	n.a.	W 6
T 7	0 41 56	8°53'12	26°50	10°11	18°36	4°10	27°23	19°47	22° 1	25°12	9°54	28° 4	26°49	10° 3	n.a.	T 7
F 8	0 45 52	9°53'41	9♍26	8°52	18° 4	4°54	27°16	19°45	21°59	25°11	9°53	27°58	26°46	10° 9	n.a.	F 8
S 9	0 49 49	10°54'11	22°22	7°34	17°30	5°39	27° 8	19°43	21°56	25° 9	9°53	27°49	26°43	10°16	n.a.	S 9
S 10	0 53 45	11°54'42	5♎39	6°21	16°56	6°23	27° 1	19°41	21°54	25° 8	9°52	27°38	26°40	10°23	n.a.	S 10
M11	0 57 42	12°55'16	19°14	5°14	16°20	7° 8	26°53	19°39	21°52	25° 6	9°52	27°25	26°36	10°29	n.a.	M11
T 12	1 1 38	13°55'51	3♏ 5	4°16	15°44	7°53	26°45	19°38	21°50	25° 4	9°51	27°13	26°33	10°36	n.a.	T 12
W13	1 5 35	14°56'28	17° 7	3°28	15° 8	8°38	26°37	19°36	21°47	25° 3	9°51	27° 2	26°30	10°42	n.a.	W13
T 14	1 9 31	15°57'06	1♐16	2°51	14°32	9°23	26°30	19°34	21°45	25° 1	9°51	26°53	26°27	10°49	n.a.	T 14
F 15	1 13 28	16°57'46	15°28	2°25	13°56	10° 8	26°22	19°33	21°43	24°59	9°50	26°47	26°24	10°56	n.a.	F 15
S 16	1 17 25	17°58'27	29°38	2°12	13°20	10°53	26°14	19°32	21°41	24°58	9°50	26°44	26°20	11° 2	n.a.	S 16
S 17	1 21 21	18°59'09	13♑46	2°D 9	12°45	11°38	26° 5	19°30	21°39	24°56	9°50	26°43	26°17	11° 9	n.a.	S 17
M18	1 25 18	19°59'53	27°50	2°18	12°11	12°23	25°57	19°29	21°37	24°54	9°49	26°43	26°14	11°16	n.a.	M18
T 19	1 29 14	21° 0'37	11♒49	2°37	11°38	13° 8	25°49	19°28	21°35	24°52	9°49	26°43	26°11	11°22	n.a.	T 19
W20	1 33 11	22° 1'23	25°43	3° 5	11° 6	13°53	25°41	19°27	21°33	24°51	9°49	26°40	26° 8	11°29	n.a.	W20
T 21	1 37 7	23° 2'10	9♓32	3°42	10°36	14°38	25°33	19°26	21°31	24°49	9°49	26°35	26° 5	11°36	n.a.	T 21
F 22	1 41 4	24° 2'58	23°13	4°26	10° 7	15°24	25°25	19°26	21°29	24°47	9°48	26°27	26° 1	11°42	n.a.	F 22
S 23	1 45 0	25° 3'47	6♈44	5°17	9°41	16° 9	25°17	19°25	21°27	24°46	9°48	26°16	25°58	11°49	n.a.	S 23
S 24	1 48 57	26° 4'38	20° 3	6°13	9°16	16°54	25° 8	19°25	21°25	24°44	9°48	26° 3	25°55	11°56	n.a.	S 24
M25	1 52 54	27° 5'30	3♉ 8	7°15	8°54	17°40	25° 0	19°24	21°23	24°42	9°48	25°50	25°52	12° 2	n.a.	M25
T 26	1 56 50	28° 6'23	15°58	8°21	8°34	18°25	24°52	19°24	21°21	24°41	9°48	25°36	25°49	12° 9	n.a.	T 26
W27	2 0 47	29° 7'17	28°30	9°31	8°16	19°11	24°44	19°24	21°19	24°39	9°48	25°24	25°45	12°16	n.a.	W27
T 28	2 4 43	0♏ 8'13	10♊48	10°44	8° 1	19°57	24°36	19°D24	21°18	24°37	9°48	25°15	25°42	12°22	n.a.	T 28
F 29	2 8 40	1° 9'10	22°51	12° 0	7°48	20°42	24°28	19°24	21°16	24°35	9°D48	25° 9	25°39	12°29	n.a.	F 29
S 30	2 12 36	2°10'09	4♋45	13°19	7°38	21°28	24°20	19°24	21°14	24°34	9°48	25° 5	25°36	12°36	n.a.	S 30
S 31	2 16 33	3♏11'09	16♋33	14♎40	7♎30	22♏14	24♈12	19♒24	21♓12	24♈32	9♒48	25♋ 3	25♋33	12♋42	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s 9	19n26	3s29	8s52	2s26	15s 7	7s16	11s51	0s21	9n38	1s24	17s 4	2s12	3s49	0s46	8n 3	2s 2	31s33	14s10	20n47	21n 0	21n50		n.a.
S 2	1 33	21 4	2 38	8 23	2 14	14 56	7 14	12 7	0 22	9 35	1 24	17 5	2 11	3 50	0 46	8 2	2 2	31 33	14 10	20 48	21 1	21 51		n.a.
S 3	1 57	21 46	1 42	7 48	1 59	14 44	7 11	12 23	0 22	9 33	1 24	17 5	2 11	3 51	0 46	8 2	2 2	31 33	14 9	20 48	21 1	21 51		n.a.
M 4	2 22	21 29	0 40	7 9	1 43	14 30	7 7	12 39	0 23	9 30	1 24	17 6	2 11	3 52	0 46	8 1	2 2	31 33	14 9	20 48	21 2	21 51		n.a.
T 5	2 46	20 14	0n23	6 25	1 25	14 15	7 2	12 55	0 23	9 28	1 24	17 7	2 11	3 53	0 46	8 1	2 2	31 33	14 9	20 48	21 2	21 52		n.a.
W 6	3 10	18 3	1 26	5 37	1 6	13 58	6 56	13 11	0 24	9 25	1 24	17 7	2 11	3 53	0 46	8 0	2 2	31 33	14 9	20 48	21 3	21 52		n.a.
T 7	3 34	15 1	2 26	4 48	0 46	13 40	6 50	13 27	0 25	9 22	1 24	17 8	2 11	3 54	0 46	7 59	2 2	31 33	14 8	20 49	21 4	21 53		n.a.
F 8	3 58	11 13	3 21	3 57	0 26	13 21	6 42	13 43	0 25	9 20	1 24	17 9	2 11	3 55	0 46	7 59	2 2	31 33	14 8	20 50	21 4	21 53		n.a.
S 9	4 22	6 49	4 6	3 7	0 5	13 0	6 34	13 59	0 26	9 17	1 24	17 9	2 11	3 56	0 46	7 58	2 2	31 33	14 8	20 52	21 5	21 53		n.a.
S 10	4 46	2 0	4 40	2 19	0n15	12 39	6 25	14 14	0 27	9 14	1 24	17 10	2 10	3 57	0 46	7 58	2 2	31 32	14 8	20 54	21 6	21 54		n.a.
M11	5 10	3s 2	4 58	1 34	0 35	12 16	6 16	14 30	0 27	9 11	1 24	17 10	2 10	3 58	0 46	7 57	2 2	31 32	14 7	20 57	21 6	21 54		n.a.
T 12	5 34	8 1	4 59	0 54	0 53	11 52	6 5	14 45	0 28	9 9	1 24	17 11	2 10	3 59	0 46	7 56	2 2	31 32	14 7	20 59	21 7	21 54		n.a.
W13	5 58	12 38	4 43	0 19	1 10	11 27	5 54	15 0	0 28	9 6	1 24	17 11	2 10	4 0	0 46	7 56	2 2	31 32	14 7	21 1	21 7	21 54		n.a.
T 14	6 21	16 37	4 9	0n10	1 25	11 2	5 42	15 16	0 29	9 3	1 24	17 11	2 10	4 1	0 46	7 55	2 2	31 32	14 6	21 3	21 8	21 55		n.a.
F 15	6 45	19 38	3 20	0 32	1 39	10 36	5 30	15 31	0 30	9 0	1 24	17 12	2 10	4 1	0 46	7 54	2 2	31 32	14 6	21 4	21 9	21 55		n.a.
S 16	7 8	21 27	2 18	0 48	1 50	10 10	5 17	15 45	0 30	8 57	1 24	17 12	2 10	4 2	0 46	7 54	2 2	31 32	14 6	21 5	21 9	21 55		n.a.
S 17	7 32	21 54	1 8	0 58	2 0	9 44	5 3	16 0	0 31	8 54	1 24	17 12	2 9	4 3	0 46	7 53	2 2	31 31	14 6	21 5	21 10	21 56		n.a.
M18	7 55	20 57	0s 6	1 1	2 8	9 18	4 49	16 15	0 32	8 51	1 24	17 12	2 9	4 4	0 46	7 53	2 2	31 31	14 5	21 5	21 10	21 56		n.a.
T 19	8 18	18 44	1 19	0 59	2 14	8 51	4 34	16 29	0 32	8 48	1 23	17 13	2 9	4 5	0 46	7 52	2 2	31 31	14 5	21 5	21 11	21 56		n.a.
W20	8 41	15 24	2 27	0 52	2 18	8 25	4 20	16 44	0 33	8 46	1 23	17 13	2 9	4 5	0 46	7 51	2 2	31 31	14 5	21 5	21 12	21 57		n.a.
T 21	9 4	11 16	3 26	0 40	2 22	7 59	4 5	16 58	0 33	8 43	1 23	17 13	2 9	4 6	0 46	7 51	2 2	31 31	14 4	21 6	21 12	21 57		n.a.
F 22	9 27	6 34	4 12	0 24	2 23	7 34	3 49	17 12	0 34	8 40	1 23	17 13	2 9	4 7	0 45	7 50	2 2	31 30	14 4	21 8	21 13	21 57		n.a.
S 23	9 49	1 37	4 43	0 5	2 24	7 9	3 34	17 26	0 34	8 37	1 23	17 13	2 8	4 8	0 45	7 49	2 2	31 30	14 4	21 10	21 13	21 57		n.a.
S 24	10 12	3n20	4 58	0s18	2 24	6 45	3 18	17 40	0 35	8 34	1 23	17 13	2 8	4 8	0 45	7 49	2 2	31 30	14 4	21 12	21 14	21 58		n.a.
M25	10 34	8 3	4 58	0 44	2 22	6 22	3 3	17 53	0 36	8 31	1 23	17 13	2 8	4 9	0 45	7 48	2 2	31 30	14 3	21 15	21 15	21 58		n.a.
T 26	10 56	12 20	4 42	1 13	2 20	6 0	2 48	18 7	0 36	8 28	1 23	17 13	2 8	4 10	0 45	7 48	2 2	31 29	14 3	21 18	21 15	21 58		n.a.
W27	11 18	15 59	4 12	1 43	2 17	5 39	2 32	18 20	0 37	8 25	1 23	17 13	2 8	4 11	0 45	7 47	2 2	31 29	14 3	21 20	21 16	21 58		n.a.
T 28	11 40	18 52	3 31	2 15	2 14	5 19	2 17	18 33	0 37	8 22	1 22	17 13	2 8	4 11	0 45	7 46	2 2	31 29	14 2	21 21	21 16	21 59		n.a.
F 29	12 1	20 51	2 42	2 49	2 10	5 0	2 2	18 46	0 38	8 19	1 22	17 12	2 8	4 12	0 45	7 46	2 2	31 28	14 2	21 23	21 17	21 59		n.a.
S 30	12 23	21 54	1 45	3 24	2 5	4 42	1 47	18 59	0 38	8 17	1 22	17 12	2 7	4 13	0 45	7 45	2 2	31 28	14 2	21 23	21 18	21 59		n.a.
S 31	12s44	21n58	0s45	4s 0	2n 0	4s26	1s32	19s11	0s39	8n14	1s22	17s12	2s 7	4s13	0s45	7n44	2s 2	31s28	14s 1	21n24	21n18	21n59		n.a.

Julian Day Number = 1567926.5, Delta T = 04h19m41s
Ecliptic obliquity = 23°44'43, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'34, Lahiri = - 9°45'33 Julian Calendar 1 Oct. 421 BCE == Greg. Calendar 26 Sept. 421 BCE

The year -420 astronomical counting style corresponds to year 421 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

NOVEMBER 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 20 29	4♏12'10	28♋20	16♎ 2	7°R25	23♏ 0	24°R 4	19♒24	21°R11	24°R30	9♒48	25°R 3	25♋30	12♋49	n.a.	M 1
T 2	2 24 26	5°13'13	10♌13	17°26	7♎22	23°45	23♈56	19°25	21♓ 9	24♈29	9°48	25♋ 3	25°26	12°55	n.a.	T 2
W 3	2 28 23	6°14'17	22°16	18°51	7°D22	24°31	23°48	19°25	21° 8	24°27	9°48	25° 2	25°23	13° 2	n.a.	W 3
T 4	2 32 19	7°15'22	4♍34	20°17	7°24	25°17	23°40	19°26	21° 6	24°25	9°48	24°59	25°20	13° 9	n.a.	T 4
F 5	2 36 16	8°16'28	17°14	21°45	7°28	26° 3	23°32	19°27	21° 5	24°24	9°48	24°54	25°17	13°15	n.a.	F 5
S 6	2 40 12	9°17'35	0♎17	23°13	7°35	26°49	23°25	19°28	21° 3	24°22	9°49	24°45	25°14	13°22	n.a.	S 6
S 7	2 44 9	10°18'43	13°46	24°41	7°44	27°35	23°17	19°29	21° 2	24°21	9°49	24°35	25°11	13°29	n.a.	S 7
M 8	2 48 5	11°19'53	27°39	26°11	7°56	28°22	23°10	19°30	21° 1	24°19	9°49	24°23	25° 7	13°35	n.a.	M 8
T 9	2 52 2	12°21'03	11♏52	27°40	8° 9	29° 8	23° 2	19°31	20°59	24°17	9°49	24°11	25° 4	13°42	n.a.	T 9
W10	2 55 58	13°22'14	26°21	29°11	8°25	29°54	22°55	19°33	20°58	24°16	9°50	24° 0	25° 1	13°49	n.a.	W10
T 11	2 59 55	14°23'26	10♐58	0♏41	8°43	0♐40	22°48	19°34	20°57	24°14	9°50	23°52	24°58	13°55	n.a.	T 11
F 12	3 3 52	15°24'38	25°36	2°12	9° 2	1°27	22°41	19°36	20°56	24°13	9°50	23°46	24°55	14° 2	n.a.	F 12
S 13	3 7 48	16°25'51	10♑ 8	3°43	9°24	2°13	22°34	19°37	20°55	24°11	9°51	23°43	24°51	14° 9	n.a.	S 13
S 14	3 11 45	17°27'04	24°30	5°15	9°48	2°59	22°27	19°39	20°54	24° 9	9°51	23°D42	24°48	14°15	n.a.	S 14
M15	3 15 41	18°28'17	8♒41	6°46	10°13	3°46	22°21	19°41	20°53	24° 8	9°51	23°43	24°45	14°22	n.a.	M15
T 16	3 19 38	19°29'30	22°38	8°18	10°40	4°32	22°14	19°43	20°52	24° 6	9°52	23°R43	24°42	14°29	n.a.	T 16
W17	3 23 34	20°30'44	6♓21	9°50	11° 9	5°19	22° 8	19°45	20°51	24° 5	9°52	23°42	24°39	14°35	n.a.	W17
T 18	3 27 31	21°31'58	19°52	11°23	11°39	6° 5	22° 2	19°47	20°50	24° 3	9°53	23°38	24°36	14°42	n.a.	T 18
F 19	3 31 27	22°33'11	3♈12	12°55	12°11	6°52	21°56	19°50	20°49	24° 2	9°53	23°32	24°32	14°49	n.a.	F 19
S 20	3 35 24	23°34'25	16°19	14°28	12°45	7°38	21°50	19°52	20°48	24° 1	9°54	23°23	24°29	14°55	n.a.	S 20
S 21	3 39 21	24°35'39	29°15	16° 1	13°19	8°25	21°44	19°55	20°48	23°59	9°54	23°13	24°26	15° 2	n.a.	S 21
M22	3 43 17	25°36'53	11♉59	17°34	13°56	9°12	21°38	19°57	20°47	23°58	9°55	23° 2	24°23	15° 8	n.a.	M22
T 23	3 47 14	26°38'08	24°31	19° 7	14°33	9°58	21°33	20° 0	20°46	23°56	9°55	22°51	24°20	15°15	n.a.	T 23
W24	3 51 10	27°39'22	6♊50	20°41	15°12	10°45	21°28	20° 3	20°46	23°55	9°56	22°41	24°17	15°22	n.a.	W24
T 25	3 55 7	28°40'37	18°59	22°15	15°52	11°32	21°23	20° 6	20°45	23°54	9°57	22°34	24°13	15°28	n.a.	T 25
F 26	3 59 3	29°41'52	0♋57	23°49	16°34	12°19	21°18	20° 9	20°45	23°52	9°57	22°29	24°10	15°35	n.a.	F 26
S 27	4 3 0	0♐43'08	12°48	25°23	17°16	13° 6	21°13	20°12	20°44	23°51	9°58	22°26	24° 7	15°42	n.a.	S 27
S 28	4 6 57	1°44'23	24°35	26°58	18° 0	13°52	21° 8	20°15	20°44	23°50	9°59	22°D25	24° 4	15°48	n.a.	S 28
M29	4 10 53	2°45'39	6♌22	28°33	18°45	14°39	21° 4	20°18	20°44	23°49	10° 0	22°26	24° 1	15°55	n.a.	M29
T 30	4 14 50	3♐46'55	18♌13	0♐ 8	19♎30	15♐26	21♈ 0	20♒22	20♓43	23♈47	10♒ 0	22♋28	23♋57	16♋ 2	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13s 5	21n 3	0n17	4s37	1n55	4s10	1s18	19s24	0s40	8n11	1s22	17s12	2s 7	4s14	0s45	7n44	2s 2	31s28	14s 1	21n24	21n19	22n 0		n.a.
T 2	13 26	19 11	1 20	5 15	1 49	3 56	1 4	19 36	0 40	8 8	1 22	17 11	2 7	4 14	0 45	7 43	2 2	31 27	14 1	21 24	21 19	22 0		n.a.
W 3	13 46	16 27	2 19	5 53	1 43	3 44	0 50	19 48	0 41	8 5	1 22	17 11	2 7	4 15	0 45	7 43	2 2	31 27	14 1	21 24	21 20	22 0		n.a.
T 4	14 7	12 57	3 13	6 32	1 37	3 32	0 37	20 0	0 41	8 3	1 21	17 11	2 6	4 16	0 45	7 42	2 2	31 27	14 0	21 24	21 21	22 0		n.a.
F 5	14 27	8 47	4 0	7 11	1 31	3 22	0 24	20 11	0 42	8 0	1 21	17 10	2 6	4 16	0 45	7 41	2 2	31 26	14 0	21 25	21 21	22 0		n.a.
S 6	14 46	4 5	4 35	7 50	1 24	3 13	0 12	20 23	0 42	7 57	1 21	17 10	2 6	4 17	0 45	7 41	2 2	31 26	14 0	21 27	21 22	22 1		n.a.
S 7	15 6	0s57	4 56	8 29	1 18	3 6	0n 1	20 34	0 43	7 55	1 21	17 9	2 6	4 17	0 45	7 40	2 2	31 26	13 59	21 29	21 22	22 1		n.a.
M 8	15 25	6 5	5 1	9 8	1 11	3 0	0 12	20 45	0 43	7 52	1 21	17 9	2 6	4 18	0 45	7 40	2 2	31 25	13 59	21 31	21 23	22 1		n.a.
T 9	15 44	11 2	4 48	9 47	1 4	2 55	0 24	20 56	0 44	7 50	1 20	17 8	2 6	4 18	0 45	7 39	2 2	31 25	13 59	21 33	21 23	22 1		n.a.
W10	16 3	15 27	4 16	10 26	0 57	2 51	0 35	21 6	0 44	7 47	1 20	17 8	2 5	4 19	0 45	7 39	2 2	31 24	13 58	21 35	21 24	22 1		n.a.
T 11	16 22	18 58	3 27	11 5	0 50	2 48	0 45	21 17	0 45	7 45	1 20	17 7	2 5	4 19	0 45	7 38	2 2	31 24	13 58	21 36	21 25	22 1		n.a.
F 12	16 40	21 17	2 24	11 43	0 43	2 47	0 56	21 27	0 45	7 42	1 20	17 6	2 5	4 19	0 45	7 37	2 1	31 24	13 58	21 37	21 25	22 2		n.a.
S 13	16 58	22 10	1 12	12 21	0 36	2 46	1 5	21 37	0 46	7 40	1 19	17 6	2 5	4 20	0 45	7 37	2 1	31 23	13 58	21 38	21 26	22 2		n.a.
S 14	17 15	21 34	0s 4	12 59	0 29	2 47	1 15	21 47	0 46	7 37	1 19	17 5	2 5	4 20	0 45	7 36	2 1	31 23	13 57	21 38	21 26	22 2		n.a.
M15	17 33	19 35	1 19	13 36	0 22	2 49	1 24	21 56	0 47	7 35	1 19	17 4	2 5	4 21	0 45	7 36	2 1	31 23	13 57	21 38	21 27	22 2		n.a.
T 16	17 50	16 28	2 28	14 13	0 15	2 51	1 33	22 5	0 47	7 33	1 19	17 3	2 4	4 21	0 45	7 35	2 1	31 22	13 57	21 38	21 28	22 2		n.a.
W17	18 6	12 29	3 27	14 49	0 8	2 55	1 41	22 15	0 48	7 31	1 19	17 3	2 4	4 21	0 45	7 35	2 1	31 22	13 56	21 38	21 28	22 2		n.a.
T 18	18 23	7 56	4 14	15 25	0 1	3 0	1 49	22 23	0 48	7 29	1 18	17 2	2 4	4 22	0 45	7 34	2 1	31 21	13 56	21 39	21 29	22 3		n.a.
F 19	18 39	3 4	4 46	16 0	0s 5	3 5	1 57	22 32	0 49	7 27	1 18	17 1	2 4	4 22	0 45	7 34	2 1	31 21	13 56	21 40	21 29	22 3		n.a.
S 20	18 54	1n51	5 2	16 35	0 12	3 12	2 4	22 40	0 49	7 25	1 18	17 0	2 4	4 22	0 45	7 33	2 1	31 20	13 55	21 41	21 30	22 3		n.a.
S 21	19 10	6 38	5 3	17 8	0 19	3 19	2 11	22 48	0 49	7 23	1 17	16 59	2 4	4 22	0 44	7 33	2 1	31 20	13 55	21 43	21 30	22 3		n.a.
M22	19 25	11 3	4 48	17 42	0 25	3 27	2 17	22 56	0 50	7 21	1 17	16 58	2 3	4 23	0 44	7 32	2 1	31 19	13 55	21 45	21 31	22 3		n.a.
T 23	19 39	14 56	4 20	18 14	0 32	3 36	2 23	23 4	0 50	7 19	1 17	16 57	2 3	4 23	0 44	7 32	2 1	31 19	13 55	21 47	21 32	22 3		n.a.
W24	19 53	18 7	3 40	18 46	0 38	3 46	2 29	23 11	0 51	7 17	1 17	16 56	2 3	4 23	0 44	7 31	2 1	31 19	13 54	21 49	21 32	22 3		n.a.
T 25	20 7	20 28	2 50	19 17	0 44	3 57	2 35	23 18	0 51	7 16	1 16	16 55	2 3	4 23	0 44	7 31	2 1	31 18	13 54	21 50	21 33	22 3		n.a.
F 26	20 21	21 51	1 53	19 46	0 50	4 8	2 40	23 25	0 52	7 14	1 16	16 54	2 3	4 23	0 44	7 30	2 1	31 18	13 54	21 51	21 33	22 3		n.a.
S 27	20 34	22 16	0 52	20 16	0 56	4 20	2 45	23 31	0 52	7 13	1 16	16 52	2 3	4 24	0 44	7 30	2 1	31 17	13 53	21 51	21 34	22 3		n.a.
S 28	20 46	21 40	0n12	20 44	1 2	4 32	2 50	23 37	0 52	7 11	1 16	16 51	2 2	4 24	0 44	7 30	2 1	31 17	13 53	21 51	21 34	22 4		n.a.
M29	20 59	20 7	1 15	21 11	1 7	4 45	2 54	23 43	0 53	7 10	1 15	16 50	2 2	4 24	0 44	7 29	2 1	31 16	13 53	21 51	21 35	22 4		n.a.
T 30	21s11	17n42	2n15	21s37	1s13	4s59	2n58	23s49	0s53	7n 8	1s15	16s49	2s 2	4s24	0s44	7n29	2s 1	31s16	13s53	21n51	21n35	22n 4		n.a.

Julian Day Number = 1567957.5, Delta T = 04h19m40s
Ecliptic obliquity = 23°44'42, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'29, Lahiri = - 9°45'29 Julian Calendar 1 Nov. 421 BCE == Greg. Calendar 27 Oct. 421 BCE

The year -420 astronomical counting style corresponds to year 421 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 421 BCE
geocentric

DECEMBER 421 BCE (-420) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 18 46	4♐48'11	0♍14	1♐44	20♎17	16♐13	20°R56	20♒25	20°R43	23°R46	10♒ 1	22°R29	23♋54	16♋ 8	n.a.	W 1
T 2	4 22 43	5°49'27	12°30	3°20	21° 5	17° 0	20♈52	20°29	20♓43	23♈45	10° 2	22♋29	23°51	16°15	n.a.	T 2
F 3	4 26 39	6°50'43	25° 6	4°56	21°53	17°47	20°48	20°33	20°43	23°44	10° 3	22°27	23°48	16°22	n.a.	F 3
S 4	4 30 36	7°51'59	8♎ 6	6°33	22°43	18°34	20°45	20°36	20°43	23°43	10° 4	22°23	23°45	16°28	n.a.	S 4
S 5	4 34 32	8°53'16	21°34	8°10	23°33	19°21	20°42	20°40	20°D43	23°42	10° 5	22°17	23°42	16°35	n.a.	S 5
M 6	4 38 29	9°54'32	5♏30	9°47	24°24	20° 8	20°39	20°44	20°43	23°40	10° 5	22°11	23°38	16°42	n.a.	M 6
T 7	4 42 26	10°55'48	19°52	11°25	25°16	20°55	20°36	20°48	20°43	23°39	10° 6	22° 3	23°35	16°48	n.a.	T 7
W 8	4 46 22	11°57'04	4♐35	13° 3	26° 8	21°42	20°33	20°52	20°43	23°38	10° 7	21°57	23°32	16°55	n.a.	W 8
T 9	4 50 19	12°58'20	19°32	14°42	27° 2	22°30	20°31	20°57	20°43	23°37	10° 8	21°52	23°29	17° 1	n.a.	T 9
F 10	4 54 15	13°59'35	4♑34	16°21	27°55	23°17	20°28	21° 1	20°44	23°36	10° 9	21°49	23°26	17° 8	n.a.	F 10
S 11	4 58 12	15° 0'49	19°32	18° 1	28°50	24° 4	20°26	21° 5	20°44	23°36	10°10	21°D48	23°23	17°15	n.a.	S 11
S 12	5 2 8	16° 2'03	4♒18	19°41	29°45	24°51	20°24	21°10	20°44	23°35	10°11	21°48	23°19	17°21	n.a.	S 12
M13	5 6 5	17° 3'16	18°47	21°21	0♏41	25°38	20°23	21°14	20°45	23°34	10°12	21°50	23°16	17°28	n.a.	M13
T 14	5 10 1	18° 4'28	2♓56	23° 2	1°37	26°26	20°21	21°19	20°45	23°33	10°13	21°51	23°13	17°35	n.a.	T 14
W15	5 13 58	19° 5'39	16°44	24°44	2°34	27°13	20°20	21°24	20°46	23°32	10°14	21°R52	23°10	17°41	n.a.	W15
T 16	5 17 55	20° 6'49	0♈11	26°25	3°32	28° 0	20°19	21°29	20°46	23°31	10°16	21°51	23° 7	17°48	n.a.	T 16
F 17	5 21 51	21° 7'58	13°20	28° 7	4°29	28°47	20°18	21°34	20°47	23°31	10°17	21°50	23° 3	17°55	n.a.	F 17
S 18	5 25 48	22° 9'06	26°13	29°50	5°28	29°35	20°18	21°39	20°48	23°30	10°18	21°46	23° 0	18° 1	n.a.	S 18
S 19	5 29 44	23°10'13	8♉51	1♑32	6°27	0♑22	20°17	21°44	20°48	23°29	10°19	21°42	22°57	18° 8	n.a.	S 19
M20	5 33 41	24°11'19	21°16	3°15	7°26	1° 9	20°D17	21°49	20°49	23°28	10°20	21°37	22°54	18°15	n.a.	M20
T 21	5 37 37	25°12'24	3♊31	4°58	8°26	1°57	20°17	21°54	20°50	23°28	10°21	21°32	22°51	18°21	n.a.	T 21
W22	5 41 34	26°13'28	15°37	6°41	9°26	2°44	20°17	21°59	20°51	23°27	10°23	21°28	22°48	18°28	n.a.	W22
T 23	5 45 31	27°14'32	27°35	8°24	10°27	3°31	20°18	22° 5	20°52	23°27	10°24	21°25	22°44	18°35	n.a.	T 23
F 24	5 49 27	28°15'34	9♋27	10° 7	11°28	4°19	20°18	22°10	20°53	23°26	10°25	21°23	22°41	18°41	n.a.	F 24
S 25	5 53 24	29°16'35	21°16	11°49	12°29	5° 6	20°19	22°15	20°54	23°26	10°26	21°D22	22°38	18°48	n.a.	S 25
S 26	5 57 20	0♑17'35	3♌ 3	13°31	13°31	5°53	20°20	22°21	20°55	23°25	10°28	21°23	22°35	18°54	n.a.	S 26
M27	6 1 17	1°18'34	14°51	15°12	14°33	6°41	20°21	22°27	20°56	23°25	10°29	21°24	22°32	19° 1	n.a.	M27
T 28	6 5 13	2°19'32	26°44	16°51	15°36	7°28	20°23	22°32	20°57	23°24	10°30	21°26	22°29	19° 8	n.a.	T 28
W29	6 9 10	3°20'30	8♍46	18°29	16°38	8°15	20°25	22°38	20°58	23°24	10°32	21°27	22°25	19°14	n.a.	W29
T 30	6 13 6	4°21'26	21° 1	20° 5	17°42	9° 3	20°26	22°44	21° 0	23°24	10°33	21°28	22°22	19°21	n.a.	T 30
F 31	6 17 3	5♑22'21	3♎33	21♑39	18♏45	9♑50	20♈28	22♒50	21♓ 1	23♈23	10♒34	21°R29	22♋19	19♋28	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	21 s22	14n29	3n10	22 s 2	1 s18	5 s13	3n 2	23 s55	0 s54	7n 7	1 s15	16 s47	2 s 2	4 s24	0 s44	7n28	2 s 1	31 s15	13 s52	21n51	21n36	22n 4			n.a.
T 2	21 33	10 36	3 58	22 27	1 23	5 28	3 6	24 0	0 54	7 6	1 14	16 46	2 2	4 24	0 44	7 28	2 1	31 15	13 52	21 51	21 37	22 4			n.a.
F 3	21 44	6 10	4 35	22 50	1 28	5 43	3 9	24 5	0 54	7 5	1 14	16 45	2 2	4 24	0 44	7 28	2 1	31 14	13 52	21 51	21 37	22 4			n.a.
S 4	21 54	1 20	5 0	23 11	1 32	5 58	3 12	24 9	0 55	7 4	1 14	16 43	2 2	4 24	0 44	7 27	2 1	31 14	13 52	21 52	21 38	22 4			n.a.
S 5	22 4	3 s44	5 10	23 32	1 36	6 14	3 15	24 14	0 55	7 3	1 13	16 42	2 1	4 24	0 44	7 27	2 1	31 13	13 51	21 53	21 38	22 4			n.a.
M 6	22 13	8 47	5 1	23 51	1 40	6 31	3 18	24 18	0 56	7 2	1 13	16 41	2 1	4 24	0 44	7 26	2 0	31 13	13 51	21 54	21 39	22 4			n.a.
T 7	22 22	13 32	4 34	24 9	1 44	6 48	3 20	24 22	0 56	7 1	1 13	16 39	2 1	4 24	0 44	7 26	2 0	31 12	13 51	21 55	21 39	22 4			n.a.
W 8	22 31	17 35	3 49	24 26	1 48	7 5	3 22	24 25	0 56	7 0	1 12	16 38	2 1	4 24	0 44	7 26	2 0	31 12	13 50	21 56	21 40	22 4			n.a.
T 9	22 39	20 34	2 47	24 41	1 51	7 23	3 24	24 28	0 57	7 0	1 12	16 36	2 1	4 23	0 44	7 26	2 0	31 11	13 50	21 57	21 40	22 4			n.a.
F 10	22 46	22 7	1 33	24 55	1 54	7 40	3 26	24 31	0 57	6 59	1 12	16 35	2 1	4 23	0 44	7 25	2 0	31 11	13 50	21 57	21 41	22 4			n.a.
S 11	22 53	22 6	0 12	25 8	1 56	7 58	3 27	24 34	0 57	6 59	1 12	16 33	2 1	4 23	0 44	7 25	2 0	31 10	13 50	21 57	21 42	22 4			n.a.
S 12	23 0	20 32	1 s 8	25 18	1 58	8 17	3 28	24 36	0 58	6 58	1 11	16 31	2 0	4 23	0 44	7 25	2 0	31 10	13 50	21 57	21 42	22 4			n.a.
M13	23 6	17 38	2 22	25 28	2 0	8 35	3 29	24 38	0 58	6 58	1 11	16 30	2 0	4 23	0 44	7 24	2 0	31 9	13 49	21 57	21 43	22 4			n.a.
T 14	23 12	13 45	3 26	25 35	2 2	8 54	3 30	24 40	0 58	6 58	1 11	16 28	2 0	4 23	0 44	7 24	2 0	31 9	13 49	21 57	21 43	22 4			n.a.
W15	23 17	9 14	4 16	25 41	2 3	9 13	3 31	24 41	0 59	6 58	1 10	16 26	2 0	4 22	0 44	7 24	2 0	31 8	13 49	21 57	21 44	22 4			n.a.
T 16	23 22	4 22	4 51	25 45	2 3	9 32	3 31	24 43	0 59	6 58	1 10	16 25	2 0	4 22	0 43	7 24	2 0	31 7	13 49	21 57	21 44	22 4			n.a.
F 17	23 27	0n35	5 10	25 47	2 4	9 52	3 32	24 44	0 59	6 58	1 10	16 23	2 0	4 22	0 43	7 23	2 0	31 7	13 48	21 57	21 45	22 4			n.a.
S 18	23 31	5 24	5 12	25 48	2 3	10 11	3 32	24 44	0 59	6 58	1 9	16 21	2 0	4 21	0 43	7 23	2 0	31 6	13 48	21 58	21 45	22 4			n.a.
S 19	23 34	9 54	4 59	25 47	2 2	10 31	3 32	24 44	1 0	6 58	1 9	16 19	1 59	4 21	0 43	7 23	2 0	31 6	13 48	21 58	21 46	22 4			n.a.
M20	23 37	13 55	4 33	25 43	2 1	10 50	3 31	24 44	1 0	6 58	1 9	16 18	1 59	4 21	0 43	7 23	2 0	31 5	13 48	21 59	21 46	22 4			n.a.
T 21	23 39	17 18	3 54	25 38	1 59	11 10	3 31	24 44	1 0	6 58	1 8	16 16	1 59	4 20	0 43	7 23	2 0	31 5	13 48	22 0	21 47	22 4			n.a.
W22	23 41	19 54	3 4	25 31	1 57	11 30	3 30	24 44	1 1	6 59	1 8	16 14	1 59	4 20	0 43	7 22	2 0	31 4	13 47	22 1	21 47	22 4			n.a.
T 23	23 43	21 36	2 7	25 22	1 54	11 49	3 30	24 43	1 1	6 59	1 8	16 12	1 59	4 20	0 43	7 22	1 59	31 4	13 47	22 1	21 48	22 4			n.a.
F 24	23 44	22 19	1 5	25 11	1 50	12 9	3 29	24 41	1 1	7 0	1 7	16 10	1 59	4 19	0 43	7 22	1 59	31 3	13 47	22 1	21 49	22 4			n.a.
S 25	23 45	22 2	0 1	24 58	1 45	12 29	3 28	24 40	1 1	7 0	1 7	16 8	1 59	4 19	0 43	7 22	1 59	31 3	13 47	22 1	21 49	22 4			n.a.
S 26	23 45	20 46	1n 4	24 43	1 40	12 49	3 27	24 38	1 2	7 1	1 7	16 6	1 59	4 18	0 43	7 22	1 59	31 2	13 47	22 1	21 50	22 4			n.a.
M27	23 44	18 36	2 6	24 26	1 34	13 8	3 25	24 36	1 2	7 2	1 6	16 4	1 59	4 18	0 43	7 22	1 59	31 1	13 46	22 1	21 50	22 4			n.a.
T 28	23 43	15 38	3 3	24 7	1 28	13 28	3 24	24 34	1 2	7 3	1 6	16 2	1 58	4 17	0 43	7 22	1 59	31 1	13 46	22 1	21 51	22 4			n.a.
W29	23 42	11 59	3 53	23 46	1 20	13 47	3 22	24 31	1 2	7 3	1 6	16 0	1 58	4 17	0 43	7 22	1 59	31 0	13 46	22 1	21 51	22 4			n.a.
T 30	23 40	7 47	4 34	23 24	1 12	14 7	3 21	24 28	1 2	7 4	1 6	15 58	1 58	4 16	0 43	7 22	1 59	31 0	13 46	22 0	21 52	22 4			n.a.
F 31	23 s38	3n11	5n 2	23 s 0	1 s 2	14 s26	3n19	24 s25	1 s 3	7n 5	1 s 5	15 s56	1 s58	4 s16	0 s43	7n22	1 s59	30 s59	13 s46	22n 0	21n52	22n 4			n.a.

Julian Day Number = 1567987.5, Delta T = 04h19m39s
Ecliptic obliquity = 23°44'42, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'25, Lahiri = - 9°45'25 Julian Calendar 1 Dec. 421 BCE == Greg. Calendar 26 Nov. 421 BCE

The year -420 astronomical counting style corresponds to year 421 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

JANUARY 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 21 0	6♑23'16	16♎27	23♑10	19♏49	10♑38	20♈31	22♒56	21♓ 2	23°R23	10♒36	21°R29	22♋16	19♋34	n.a.	S 1
S 2	6 24 56	7°24'09	29°46	24°38	20°53	11°25	20°33	23° 2	21° 4	23♈23	10°37	21♋28	22°13	19°41	n.a.	S 2
M 3	6 28 53	8°25'01	13♏33	26° 1	21°57	12°12	20°36	23° 8	21° 5	23°23	10°38	21°26	22° 9	19°48	n.a.	M 3
T 4	6 32 49	9°25'53	27°48	27°20	23° 2	13° 0	20°39	23°14	21° 7	23°22	10°40	21°25	22° 6	19°54	n.a.	T 4
W 5	6 36 46	10°26'43	12♐28	28°33	24° 7	13°47	20°42	23°20	21° 8	23°22	10°41	21°23	22° 3	20° 1	n.a.	W 5
T 6	6 40 42	11°27'32	27°27	29°40	25°12	14°35	20°45	23°27	21°10	23°22	10°43	21°22	22° 0	20° 8	n.a.	T 6
F 7	6 44 39	12°28'20	12♑38	0♒41	26°17	15°22	20°48	23°33	21°12	23°22	10°44	21°22	21°57	20°14	n.a.	F 7
S 8	6 48 35	13°29'06	27°51	1°33	27°22	16° 9	20°52	23°39	21°13	23°D22	10°45	21°D22	21°54	20°21	n.a.	S 8
S 9	6 52 32	14°29'51	12♒56	2°18	28°28	16°57	20°56	23°46	21°15	23°22	10°47	21°22	21°50	20°27	n.a.	S 9
M10	6 56 29	15°30'33	27°45	2°53	29°34	17°44	21° 0	23°52	21°17	23°22	10°48	21°22	21°47	20°34	n.a.	M10
T 11	7 0 25	16°31'14	12♓12	3°18	0♐40	18°32	21° 4	23°59	21°19	23°22	10°50	21°23	21°44	20°41	n.a.	T 11
W12	7 4 22	17°31'54	26°14	3°34	1°47	19°19	21° 8	24° 5	21°21	23°22	10°51	21°23	21°41	20°47	n.a.	W12
T 13	7 8 18	18°32'31	9♈50	3°R39	2°53	20° 6	21°13	24°12	21°23	23°23	10°53	21°24	21°38	20°54	n.a.	T 13
F 14	7 12 15	19°33'06	23° 1	3°33	4° 0	20°54	21°17	24°19	21°24	23°23	10°54	21°R24	21°35	21° 1	n.a.	F 14
S 15	7 16 11	20°33'39	5♉49	3°17	5° 7	21°41	21°22	24°25	21°26	23°23	10°56	21°24	21°31	21° 7	n.a.	S 15
S 16	7 20 8	21°34'11	18°19	2°51	6°14	22°28	21°27	24°32	21°29	23°23	10°57	21°D23	21°28	21°14	n.a.	S 16
M17	7 24 4	22°34'40	0♊34	2°15	7°21	23°16	21°32	24°39	21°31	23°24	10°59	21°24	21°25	21°21	n.a.	M17
T 18	7 28 1	23°35'08	12°38	1°31	8°28	24° 3	21°38	24°46	21°33	23°24	11° 0	21°24	21°22	21°27	n.a.	T 18
W19	7 31 58	24°35'34	24°33	0°40	9°36	24°50	21°43	24°53	21°35	23°24	11° 2	21°24	21°19	21°34	n.a.	W19
T 20	7 35 54	25°35'58	6♋24	29♑42	10°44	25°37	21°49	24°59	21°37	23°25	11° 4	21°24	21°15	21°41	n.a.	T 20
F 21	7 39 51	26°36'20	18°12	28°41	11°51	26°25	21°55	25° 6	21°39	23°25	11° 5	21°R25	21°12	21°47	n.a.	F 21
S 22	7 43 47	27°36'40	29°59	27°36	12°59	27°12	22° 1	25°13	21°42	23°26	11° 7	21°25	21° 9	21°54	n.a.	S 22
S 23	7 47 44	28°36'58	11♌49	26°30	14° 8	27°59	22° 7	25°20	21°44	23°26	11° 8	21°24	21° 6	22° 1	n.a.	S 23
M24	7 51 40	29°37'14	23°43	25°25	15°16	28°46	22°14	25°28	21°46	23°27	11°10	21°23	21° 3	22° 7	n.a.	M24
T 25	7 55 37	0♒37'29	5♍43	24°22	16°24	29°34	22°20	25°35	21°49	23°27	11°11	21°22	21° 0	22°14	n.a.	T 25
W26	7 59 33	1°37'42	17°52	23°22	17°33	0♒21	22°27	25°42	21°51	23°28	11°13	21°21	20°56	22°20	n.a.	W26
T 27	8 3 30	2°37'53	0♎13	22°27	18°41	1° 8	22°34	25°49	21°54	23°28	11°15	21°19	20°53	22°27	n.a.	T 27
F 28	8 7 27	3°38'02	12°48	21°37	19°50	1°55	22°41	25°56	21°56	23°29	11°16	21°18	20°50	22°34	n.a.	F 28
S 29	8 11 23	4°38'10	25°40	20°53	20°59	2°42	22°48	26° 3	21°59	23°30	11°18	21°17	20°47	22°40	n.a.	S 29
S 30	8 15 20	5°38'16	8♏53	20°16	22° 8	3°29	22°55	26°11	22° 1	23°30	11°19	21°D17	20°44	22°47	n.a.	S 30
M31	8 19 16	6♒38'20	22♏29	19♑46	23♐17	4♒17	23♈ 3	26♒18	22♓ 4	23♈31	11♒21	21♋17	20♋40	22♋54	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s35	1s42	5n16	22s35	0s52	14s45	3n17	24s21	1s 3	7n 7	1s 5	15s54	1s58	4s15	0s43	7n22	1s59	30s59	13s46	22n 0	21n53	22n 3		n.a.
S 2	23 32	6 39	5 14	22 9	0 41	15 4	3 15	24 18	1 3	7 8	1 5	15 52	1 58	4 14	0 43	7 22	1 59	30 58	13 45	22 1	21 53	22 3		n.a.
M 3	23 28	11 26	4 54	21 42	0 29	15 23	3 13	24 14	1 3	7 9	1 4	15 50	1 58	4 14	0 43	7 22	1 59	30 58	13 45	22 1	21 54	22 3		n.a.
T 4	23 24	15 46	4 16	21 14	0 17	15 42	3 11	24 9	1 3	7 10	1 4	15 48	1 58	4 13	0 43	7 22	1 59	30 57	13 45	22 1	21 54	22 3		n.a.
W 5	23 20	19 17	3 20	20 46	0 3	16 0	3 8	24 4	1 4	7 12	1 4	15 46	1 58	4 13	0 43	7 22	1 59	30 56	13 45	22 1	21 55	22 3		n.a.
T 6	23 15	21 34	2 9	20 18	0n11	16 18	3 6	23 59	1 4	7 13	1 3	15 43	1 58	4 12	0 43	7 22	1 59	30 56	13 45	22 1	21 55	22 3		n.a.
F 7	23 9	22 20	0 48	19 50	0 27	16 36	3 3	23 54	1 4	7 15	1 3	15 41	1 57	4 11	0 43	7 22	1 58	30 55	13 45	22 1	21 56	22 3		n.a.
S 8	23 3	21 27	0s36	19 23	0 42	16 54	3 1	23 49	1 4	7 17	1 3	15 39	1 57	4 10	0 43	7 22	1 58	30 55	13 45	22 1	21 56	22 3		n.a.
S 9	22 57	19 1	1 57	18 57	0 59	17 11	2 58	23 43	1 4	7 18	1 2	15 37	1 57	4 10	0 43	7 22	1 58	30 54	13 45	22 1	21 57	22 3		n.a.
M10	22 50	15 21	3 9	18 32	1 16	17 28	2 55	23 37	1 4	7 20	1 2	15 35	1 57	4 9	0 43	7 22	1 58	30 54	13 44	22 1	21 57	22 2		n.a.
T 11	22 43	10 52	4 7	18 10	1 33	17 45	2 52	23 31	1 4	7 22	1 2	15 32	1 57	4 8	0 42	7 22	1 58	30 53	13 44	22 1	21 58	22 2		n.a.
W12	22 35	5 55	4 48	17 50	1 50	18 1	2 49	23 24	1 5	7 24	1 2	15 30	1 57	4 7	0 42	7 22	1 58	30 53	13 44	22 1	21 58	22 2		n.a.
T 13	22 27	0 50	5 12	17 32	2 7	18 17	2 46	23 17	1 5	7 26	1 1	15 28	1 57	4 7	0 42	7 22	1 58	30 52	13 44	22 1	21 59	22 2		n.a.
F 14	22 18	4n 8	5 18	17 17	2 23	18 33	2 43	23 10	1 5	7 28	1 1	15 25	1 57	4 6	0 42	7 22	1 58	30 52	13 44	22 1	21 59	22 2		n.a.
S 15	22 9	8 47	5 8	17 6	2 39	18 48	2 40	23 2	1 5	7 30	1 1	15 23	1 57	4 5	0 42	7 22	1 58	30 51	13 44	22 1	22 0	22 2		n.a.
S 16	21 59	12 58	4 44	16 57	2 54	19 3	2 37	22 55	1 5	7 32	1 0	15 21	1 57	4 4	0 42	7 23	1 58	30 51	13 44	22 1	22 0	22 1		n.a.
M17	21 50	16 30	4 7	16 52	3 8	19 18	2 33	22 47	1 5	7 34	1 0	15 18	1 57	4 3	0 42	7 23	1 58	30 50	13 44	22 1	22 1	22 1		n.a.
T 18	21 39	19 18	3 20	16 50	3 20	19 32	2 30	22 39	1 5	7 37	1 0	15 16	1 57	4 2	0 42	7 23	1 58	30 49	13 44	22 1	22 1	22 1		n.a.
W19	21 29	21 14	2 24	16 51	3 30	19 46	2 26	22 30	1 5	7 39	1 0	15 13	1 57	4 1	0 42	7 23	1 58	30 49	13 44	22 1	22 2	22 1		n.a.
T 20	21 18	22 13	1 23	16 54	3 39	19 59	2 23	22 21	1 5	7 42	0 59	15 11	1 57	4 1	0 42	7 23	1 58	30 48	13 44	22 1	22 2	22 1		n.a.
F 21	21 6	22 12	0 18	17 1	3 45	20 12	2 19	22 12	1 5	7 44	0 59	15 9	1 57	4 0	0 42	7 24	1 57	30 48	13 43	22 1	22 3	22 1		n.a.
S 22	20 54	21 11	0n48	17 10	3 49	20 24	2 16	22 3	1 5	7 47	0 59	15 6	1 57	3 59	0 42	7 24	1 57	30 47	13 43	22 1	22 3	22 0		n.a.
S 23	20 42	19 14	1 51	17 20	3 51	20 36	2 12	21 54	1 5	7 49	0 58	15 4	1 57	3 58	0 42	7 24	1 57	30 47	13 43	22 1	22 4	22 0		n.a.
M24	20 29	16 27	2 50	17 33	3 51	20 47	2 9	21 44	1 5	7 52	0 58	15 1	1 56	3 57	0 42	7 24	1 57	30 46	13 43	22 1	22 4	22 0		n.a.
T 25	20 16	12 58	3 42	17 46	3 48	20 58	2 5	21 34	1 5	7 55	0 58	14 59	1 56	3 56	0 42	7 25	1 57	30 46	13 43	22 1	22 5	22 0		n.a.
W26	20 3	8 54	4 25	18 1	3 44	21 9	2 1	21 24	1 5	7 57	0 58	14 56	1 56	3 55	0 42	7 25	1 57	30 45	13 43	22 2	22 5	21 59		n.a.
T 27	19 49	4 26	4 56	18 16	3 37	21 18	1 57	21 14	1 5	8 0	0 57	14 54	1 56	3 54	0 42	7 25	1 57	30 45	13 43	22 2	22 6	21 59		n.a.
F 28	19 35	0s19	5 14	18 32	3 30	21 28	1 54	21 3	1 5	8 3	0 57	14 51	1 56	3 53	0 42	7 26	1 57	30 44	13 43	22 2	22 6	21 59		n.a.
S 29	19 21	5 8	5 16	18 48	3 20	21 37	1 50	20 52	1 5	8 6	0 57	14 49	1 56	3 52	0 42	7 26	1 57	30 44	13 43	22 2	22 7	21 59		n.a.
S 30	19 6	9 52	5 2	19 4	3 10	21 45	1 46	20 41	1 5	8 9	0 56	14 46	1 56	3 51	0 42	7 26	1 57	30 43	13 43	22 2	22 7	21 59		n.a.
M31	18s51	14s15	4n31	19s20	2n59	21s53	1n42	20s30	1s 5	8n12	0s56	14s44	1s56	3s50	0s42	7n27	1s57	30s43	13s43	22n 2	22n 8	21n58		n.a.

Julian Day Number = 1568018.5, Delta T = 04h19m37s
Ecliptic obliquity = 23°44'42, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'21, Lahiri = - 9°45'21 Julian Calendar 1 Jan. 420 BCE == Greg. Calendar 27 Dec. 421 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

FEBRUARY 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 23 13	7♒38'23	6♐29	19°R22	24♐26	5♒ 4	23♈10	26♒25	22♓ 7	23♈32	11♒23	21♋18	20♋37	23♋ 0	n.a.	T 1
W 2	8 27 9	8°38'24	20°52	19♑ 5	25°36	5°51	23°18	26°33	22° 9	23°33	11°24	21°20	20°34	23° 7	n.a.	W 2
T 3	8 31 6	9°38'23	5♑37	18°55	26°45	6°38	23°26	26°40	22°12	23°34	11°26	21°21	20°31	23°14	n.a.	T 3
F 4	8 35 2	10°38'21	20°38	18°D52	27°54	7°25	23°34	26°47	22°15	23°35	11°27	21°R21	20°28	23°20	n.a.	F 4
S 5	8 38 59	11°38'16	5♒48	18°55	29° 4	8°12	23°42	26°55	22°17	23°36	11°29	21°21	20°25	23°27	n.a.	S 5
S 6	8 42 56	12°38'09	20°56	19° 4	0♑14	8°59	23°51	27° 2	22°20	23°36	11°31	21°19	20°21	23°34	n.a.	S 6
M 7	8 46 52	13°38'01	5♓54	19°19	1°23	9°46	23°59	27°10	22°23	23°37	11°32	21°17	20°18	23°40	n.a.	M 7
T 8	8 50 49	14°37'50	20°33	19°39	2°33	10°33	24° 8	27°17	22°26	23°38	11°34	21°13	20°15	23°47	n.a.	T 8
W 9	8 54 45	15°37'36	4♈48	20° 4	3°43	11°19	24°16	27°25	22°29	23°40	11°35	21°10	20°12	23°54	n.a.	W 9
T 10	8 58 42	16°37'21	18°34	20°34	4°53	12° 6	24°25	27°32	22°32	23°41	11°37	21° 7	20° 9	24° 0	n.a.	T 10
F 11	9 2 38	17°37'03	1♉53	21° 8	6° 3	12°53	24°34	27°40	22°35	23°42	11°39	21° 5	20° 6	24° 7	n.a.	F 11
S 12	9 6 35	18°36'42	14°46	21°46	7°13	13°40	24°43	27°47	22°38	23°43	11°40	21°D 4	20° 2	24°13	n.a.	S 12
S 13	9 10 31	19°36'19	27°16	22°29	8°23	14°27	24°52	27°55	22°41	23°44	11°42	21° 4	19°59	24°20	n.a.	S 13
M14	9 14 28	20°35'54	9♊29	23°15	9°33	15°13	25° 2	28° 2	22°44	23°45	11°43	21° 5	19°56	24°27	n.a.	M14
T 15	9 18 24	21°35'27	21°28	24° 4	10°44	16° 0	25°11	28°10	22°47	23°46	11°45	21° 7	19°53	24°33	n.a.	T 15
W16	9 22 21	22°34'57	3♋19	24°57	11°54	16°47	25°21	28°17	22°50	23°48	11°47	21° 9	19°50	24°40	n.a.	W16
T 17	9 26 18	23°34'25	15° 6	25°53	13° 4	17°33	25°30	28°25	22°53	23°49	11°48	21°10	19°46	24°47	n.a.	T 17
F 18	9 30 14	24°33'50	26°53	26°51	14°15	18°20	25°40	28°33	22°56	23°50	11°50	21°R10	19°43	24°53	n.a.	F 18
S 19	9 34 11	25°33'13	8♌43	27°53	15°25	19° 7	25°50	28°40	22°59	23°52	11°51	21° 8	19°40	25° 0	n.a.	S 19
S 20	9 38 7	26°32'34	20°38	28°56	16°36	19°53	26° 0	28°48	23° 2	23°53	11°53	21° 5	19°37	25° 7	n.a.	S 20
M21	9 42 4	27°31'53	2♍41	0♒ 3	17°47	20°40	26°10	28°55	23° 5	23°54	11°54	21° 0	19°34	25°13	n.a.	M21
T 22	9 46 0	28°31'09	14°53	1°11	18°57	21°26	26°20	29° 3	23° 8	23°56	11°56	20°54	19°31	25°20	n.a.	T 22
W23	9 49 57	29°30'24	27°16	2°22	20° 8	22°13	26°31	29°10	23°12	23°57	11°58	20°47	19°27	25°27	n.a.	W23
T 24	9 53 53	0♓29'36	9♎50	3°35	21°19	22°59	26°41	29°18	23°15	23°59	11°59	20°40	19°24	25°33	n.a.	T 24
F 25	9 57 50	1°28'46	22°36	4°50	22°30	23°45	26°52	29°26	23°18	24° 0	12° 1	20°34	19°21	25°40	n.a.	F 25
S 26	10 1 47	2°27'55	5♏37	6° 7	23°40	24°32	27° 2	29°33	23°21	24° 2	12° 2	20°29	19°18	25°46	n.a.	S 26
S 27	10 5 43	3°27'02	18°52	7°26	24°51	25°18	27°13	29°41	23°25	24° 3	12° 4	20°26	19°15	25°53	n.a.	S 27
M28	10 9 40	4♓26'06	2♐24	8♒46	26♑ 2	26♒ 4	27♈24	29♒48	23♓28	24♈ 5	12♒ 5	20°D25	19♋12	26♋ 0	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s36	18s 0	3n44	19s35	2n46	22s 0	1n38	20s18	1s 5	8n15	0s56	14s41	1s56	3s48	0s42	7n27	1s57	30s42	13s43	22n 2	22n 8	21n58		n.a.
W 2	18 20	20 45	2 41	19 50	2 34	22 6	1 34	20 6	1 5	8 18	0 56	14 39	1 56	3 47	0 42	7 27	1 57	30 42	13 43	22 2	22 9	21 58		n.a.
T 3	18 4	22 12	1 26	20 4	2 21	22 12	1 30	19 54	1 5	8 21	0 55	14 36	1 56	3 46	0 42	7 28	1 57	30 41	13 43	22 2	22 9	21 57		n.a.
F 4	17 47	22 4	0 4	20 17	2 8	22 17	1 26	19 42	1 5	8 25	0 55	14 33	1 56	3 45	0 42	7 28	1 56	30 41	13 43	22 2	22 10	21 57		n.a.
S 5	17 31	20 20	1s19	20 30	1 54	22 22	1 22	19 30	1 5	8 28	0 55	14 31	1 56	3 44	0 42	7 28	1 56	30 41	13 43	22 2	22 10	21 57		n.a.
S 6	17 14	17 10	2 36	20 42	1 41	22 26	1 18	19 17	1 5	8 31	0 55	14 28	1 56	3 43	0 42	7 29	1 56	30 40	13 43	22 2	22 11	21 57		n.a.
M 7	16 57	12 53	3 42	20 53	1 28	22 30	1 14	19 5	1 5	8 35	0 54	14 26	1 56	3 42	0 42	7 29	1 56	30 40	13 43	22 2	22 11	21 56		n.a.
T 8	16 39	7 56	4 31	21 3	1 15	22 33	1 10	18 52	1 5	8 38	0 54	14 23	1 56	3 41	0 42	7 30	1 56	30 39	13 43	22 3	22 12	21 56		n.a.
W 9	16 21	2 41	5 2	21 12	1 2	22 35	1 7	18 39	1 5	8 42	0 54	14 20	1 56	3 39	0 42	7 30	1 56	30 39	13 43	22 3	22 12	21 56		n.a.
T 10	16 3	2n32	5 15	21 20	0 49	22 37	1 3	18 25	1 5	8 45	0 54	14 18	1 56	3 38	0 42	7 31	1 56	30 38	13 44	22 4	22 13	21 55		n.a.
F 11	15 45	7 27	5 9	21 27	0 37	22 38	0 59	18 12	1 5	8 49	0 53	14 15	1 56	3 37	0 42	7 31	1 56	30 38	13 44	22 4	22 13	21 55		n.a.
S 12	15 26	11 53	4 48	21 33	0 25	22 38	0 55	17 58	1 5	8 52	0 53	14 13	1 56	3 36	0 42	7 32	1 56	30 37	13 44	22 4	22 14	21 55		n.a.
S 13	15 8	15 40	4 14	21 38	0 13	22 38	0 51	17 44	1 5	8 56	0 53	14 10	1 56	3 35	0 41	7 32	1 56	30 37	13 44	22 4	22 14	21 55		n.a.
M14	14 49	18 42	3 29	21 41	0 2	22 37	0 47	17 30	1 5	9 0	0 53	14 7	1 56	3 33	0 41	7 33	1 56	30 37	13 44	22 4	22 15	21 54		n.a.
T 15	14 29	20 52	2 36	21 43	0s 9	22 35	0 43	17 16	1 4	9 3	0 53	14 5	1 56	3 32	0 41	7 33	1 56	30 36	13 44	22 4	22 15	21 54		n.a.
W16	14 10	22 6	1 36	21 44	0 20	22 33	0 39	17 2	1 4	9 7	0 52	14 2	1 56	3 31	0 41	7 34	1 56	30 36	13 44	22 4	22 16	21 54		n.a.
T 17	13 50	22 20	0 33	21 44	0 30	22 30	0 35	16 47	1 4	9 11	0 52	13 59	1 56	3 30	0 41	7 34	1 56	30 35	13 44	22 3	22 16	21 53		n.a.
F 18	13 30	21 34	0n31	21 42	0 40	22 27	0 31	16 32	1 4	9 15	0 52	13 57	1 56	3 28	0 41	7 35	1 56	30 35	13 44	22 3	22 16	21 53		n.a.
S 19	13 10	19 50	1 35	21 39	0 49	22 23	0 28	16 18	1 4	9 18	0 52	13 54	1 56	3 27	0 41	7 35	1 56	30 35	13 44	22 4	22 17	21 53		n.a.
S 20	12 50	17 14	2 34	21 35	0 58	22 18	0 24	16 3	1 4	9 22	0 51	13 51	1 56	3 26	0 41	7 36	1 55	30 34	13 44	22 4	22 17	21 52		n.a.
M21	12 29	13 52	3 27	21 29	1 6	22 13	0 20	15 47	1 4	9 26	0 51	13 49	1 56	3 25	0 41	7 36	1 55	30 34	13 44	22 5	22 18	21 52		n.a.
T 22	12 8	9 53	4 11	21 22	1 14	22 7	0 16	15 32	1 3	9 30	0 51	13 46	1 56	3 23	0 41	7 37	1 55	30 34	13 45	22 6	22 18	21 51		n.a.
W23	11 47	5 27	4 45	21 13	1 22	22 0	0 13	15 17	1 3	9 34	0 51	13 43	1 57	3 22	0 41	7 38	1 55	30 33	13 45	22 7	22 19	21 51		n.a.
T 24	11 26	0 43	5 5	21 3	1 29	21 53	0 9	15 1	1 3	9 38	0 51	13 41	1 57	3 21	0 41	7 38	1 55	30 33	13 45	22 8	22 19	21 51		n.a.
F 25	11 5	4s 7	5 10	20 51	1 36	21 45	0 6	14 46	1 3	9 42	0 50	13 38	1 57	3 19	0 41	7 39	1 55	30 33	13 45	22 9	22 20	21 50		n.a.
S 26	10 44	8 51	4 59	20 38	1 42	21 37	0 2	14 30	1 3	9 46	0 50	13 35	1 57	3 18	0 41	7 39	1 55	30 32	13 45	22 10	22 20	21 50		n.a.
S 27	10 22	13 17	4 33	20 23	1 48	21 27	0s 2	14 14	1 2	9 50	0 50	13 33	1 57	3 17	0 41	7 40	1 55	30 32	13 45	22 10	22 21	21 50		n.a.
M28	10s 0	17s 8	3n51	20s 7	1s53	21s18	0s 5	13s58	1s 2	9n54	0s50	13s30	1s57	3s15	0s41	7n41	1s55	30s32	13s45	22n10	22n21	21n49		n.a.

Julian Day Number = 1568049.5, Delta T = 04h19m36s
Ecliptic obliquity = 23°44'43, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'17, Lahiri = - 9°45'16 Julian Calendar 1 Feb. 420 BCE == Greg. Calendar 27 Jan. 420 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

MARCH 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 13 36	5♓25'09	16♐14	10♒ 9	27♑13	26♒50	27♈35	29♒56	23♓31	24♈ 7	12♒ 7	20♋25	19♋ 8	26♋ 6	n.a.	T 1
W 2	10 17 33	6°24'11	0♑22	11°33	28°25	27°37	27°46	0♓ 4	23°34	24° 8	12° 8	20°26	19° 5	26°13	n.a.	W 2
T 3	10 21 29	7°23'10	14°47	12°59	29°36	28°23	27°57	0°11	23°38	24°10	12°10	20°R27	19° 2	26°20	n.a.	T 3
F 4	10 25 26	8°22'07	29°27	14°26	0♒47	29° 9	28° 8	0°19	23°41	24°11	12°11	20°27	18°59	26°26	n.a.	F 4
S 5	10 29 22	9°21'03	14♒17	15°55	1°58	29°55	28°19	0°26	23°44	24°13	12°13	20°25	18°56	26°33	n.a.	S 5
S 6	10 33 19	10°19'57	29°11	17°26	3° 9	0♓41	28°31	0°34	23°48	24°15	12°14	20°21	18°52	26°40	n.a.	S 6
M 7	10 37 15	11°18'48	14♓ 0	18°58	4°21	1°27	28°42	0°41	23°51	24°17	12°15	20°14	18°49	26°46	n.a.	M 7
T 8	10 41 12	12°17'37	28°35	20°32	5°32	2°13	28°54	0°49	23°55	24°18	12°17	20° 6	18°46	26°53	n.a.	T 8
W 9	10 45 9	13°16'24	12♈51	22° 7	6°43	2°59	29° 5	0°56	23°58	24°20	12°18	19°58	18°43	27° 0	n.a.	W 9
T 10	10 49 5	14°15'09	26°42	23°44	7°55	3°45	29°17	1° 4	24° 1	24°22	12°20	19°49	18°40	27° 6	n.a.	T 10
F 11	10 53 2	15°13'52	10♉ 5	25°23	9° 6	4°30	29°29	1°11	24° 5	24°24	12°21	19°43	18°37	27°13	n.a.	F 11
S 12	10 56 58	16°12'32	23° 3	27° 3	10°17	5°16	29°41	1°19	24° 8	24°26	12°23	19°38	18°33	27°20	n.a.	S 12
S 13	11 0 55	17°11'10	5♊37	28°45	11°29	6° 2	29°52	1°26	24°11	24°27	12°24	19°35	18°30	27°26	n.a.	S 13
M14	11 4 51	18° 9'46	17°51	0♓28	12°40	6°48	0♉ 4	1°33	24°15	24°29	12°25	19°D34	18°27	27°33	n.a.	M14
T 15	11 8 48	19° 8'19	29°51	2°13	13°52	7°33	0°16	1°41	24°18	24°31	12°27	19°35	18°24	27°39	n.a.	T 15
W16	11 12 44	20° 6'50	11♋42	3°59	15° 3	8°19	0°29	1°48	24°22	24°33	12°28	19°36	18°21	27°46	n.a.	W16
T 17	11 16 41	21° 5'19	23°28	5°47	16°15	9° 4	0°41	1°56	24°25	24°35	12°29	19°R36	18°17	27°53	n.a.	T 17
F 18	11 20 38	22° 3'46	5♌17	7°37	17°27	9°50	0°53	2° 3	24°29	24°37	12°31	19°34	18°14	27°59	n.a.	F 18
S 19	11 24 34	23° 2'10	17°10	9°28	18°38	10°35	1° 5	2°10	24°32	24°39	12°32	19°31	18°11	28° 6	n.a.	S 19
S 20	11 28 31	24° 0'32	29°12	11°21	19°50	11°21	1°18	2°17	24°35	24°41	12°33	19°25	18° 8	28°13	n.a.	S 20
M21	11 32 27	24°58'53	11♍26	13°16	21° 2	12° 6	1°30	2°25	24°39	24°43	12°34	19°16	18° 5	28°19	n.a.	M21
T 22	11 36 24	25°57'11	23°53	15°12	22°13	12°51	1°43	2°32	24°42	24°45	12°36	19° 6	18° 2	28°26	n.a.	T 22
W23	11 40 20	26°55'27	6♎33	17° 9	23°25	13°36	1°55	2°39	24°46	24°47	12°37	18°54	17°58	28°33	n.a.	W23
T 24	11 44 17	27°53'41	19°26	19° 8	24°37	14°22	2° 8	2°46	24°49	24°49	12°38	18°42	17°55	28°39	n.a.	T 24
F 25	11 48 13	28°51'54	2♏32	21° 9	25°49	15° 7	2°20	2°53	24°53	24°51	12°39	18°32	17°52	28°46	n.a.	F 25
S 26	11 52 10	29°50'05	15°50	23°11	27° 0	15°52	2°33	3° 0	24°56	24°53	12°40	18°23	17°49	28°53	n.a.	S 26
S 27	11 56 6	0♈48'14	29°19	25°15	28°12	16°37	2°46	3° 7	24°59	24°55	12°42	18°17	17°46	28°59	n.a.	S 27
M28	12 0 3	1°46'22	12♐59	27°20	29°24	17°22	2°59	3°14	25° 3	24°57	12°43	18°13	17°43	29° 6	n.a.	M28
T 29	12 4 0	2°44'28	26°49	29°26	0♓36	18° 7	3°11	3°21	25° 6	24°59	12°44	18°12	17°39	29°13	n.a.	T 29
W30	12 7 56	3°42'33	10♑49	1♈33	1°48	18°52	3°24	3°28	25°10	25° 2	12°45	18°12	17°36	29°19	n.a.	W30
T 31	12 11 53	4♈40'37	25♑ 0	3♈42	3♓ 0	19♓37	3♉37	3♓35	25♓13	25♈ 4	12♒46	18♋12	17♋33	29♋26	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s39	20s 8	2n55	19s49	1s58	21s 7	0s 8	13s42	1s 2	9n59	0s50	13s27	1s57	3s14	0s41	7n41	1s55	30s31	13s46	22n10	22n22	21n49		n.a.
W 2	9 17	21 58	1 47	19 30	2 3	20 56	0 12	13 25	1 2	10 3	0 49	13 25	1 57	3 13	0 41	7 42	1 55	30 31	13 46	22 10	22 22	21 48		n.a.
T 3	8 54	22 24	0 31	19 9	2 6	20 45	0 15	13 9	1 2	10 7	0 49	13 22	1 57	3 11	0 41	7 43	1 55	30 31	13 46	22 10	22 22	21 48		n.a.
F 4	8 32	21 19	0s48	18 47	2 10	20 32	0 19	12 52	1 1	10 11	0 49	13 20	1 57	3 10	0 41	7 43	1 55	30 30	13 46	22 10	22 23	21 47		n.a.
S 5	8 10	18 45	2 5	18 23	2 13	20 20	0 22	12 36	1 1	10 15	0 49	13 17	1 57	3 9	0 41	7 44	1 55	30 30	13 46	22 10	22 23	21 47		n.a.
S 6	7 47	14 55	3 13	17 57	2 15	20 6	0 25	12 19	1 1	10 20	0 49	13 14	1 57	3 7	0 41	7 45	1 55	30 30	13 46	22 11	22 24	21 47		n.a.
M 7	7 25	10 11	4 8	17 30	2 18	19 52	0 28	12 2	1 1	10 24	0 48	13 12	1 57	3 6	0 41	7 45	1 55	30 30	13 47	22 12	22 24	21 46		n.a.
T 8	7 2	4 55	4 46	17 1	2 19	19 38	0 31	11 45	1 0	10 28	0 48	13 9	1 57	3 5	0 41	7 46	1 55	30 29	13 47	22 13	22 25	21 46		n.a.
W 9	6 39	0n28	5 4	16 31	2 20	19 23	0 34	11 28	1 0	10 33	0 48	13 6	1 57	3 3	0 41	7 47	1 55	30 29	13 47	22 14	22 25	21 45		n.a.
T 10	6 16	5 42	5 4	15 59	2 21	19 7	0 37	11 11	1 0	10 37	0 48	13 4	1 57	3 2	0 41	7 47	1 55	30 29	13 47	22 16	22 26	21 45		n.a.
F 11	5 54	10 29	4 48	15 26	2 21	18 51	0 40	10 54	1 0	10 41	0 48	13 1	1 58	3 1	0 41	7 48	1 55	30 29	13 47	22 17	22 26	21 44		n.a.
S 12	5 31	14 38	4 16	14 51	2 20	18 35	0 43	10 37	0 59	10 46	0 47	12 58	1 58	2 59	0 41	7 49	1 54	30 28	13 48	22 17	22 26	21 44		n.a.
S 13	5 7	18 1	3 34	14 14	2 19	18 17	0 46	10 20	0 59	10 50	0 47	12 56	1 58	2 58	0 41	7 50	1 54	30 28	13 48	22 18	22 27	21 43		n.a.
M14	4 44	20 30	2 42	13 35	2 18	18 0	0 49	10 2	0 59	10 54	0 47	12 53	1 58	2 56	0 41	7 50	1 54	30 28	13 48	22 18	22 27	21 43		n.a.
T 15	4 21	22 1	1 44	12 56	2 16	17 42	0 51	9 45	0 58	10 59	0 47	12 51	1 58	2 55	0 41	7 51	1 54	30 28	13 48	22 18	22 28	21 43		n.a.
W16	3 58	22 31	0 42	12 14	2 13	17 23	0 54	9 27	0 58	11 3	0 47	12 48	1 58	2 54	0 41	7 52	1 54	30 28	13 48	22 18	22 28	21 42		n.a.
T 17	3 35	22 1	0n21	11 31	2 10	17 4	0 56	9 10	0 58	11 8	0 47	12 46	1 58	2 52	0 41	7 53	1 54	30 27	13 49	22 18	22 29	21 42		n.a.
F 18	3 11	20 32	1 23	10 46	2 6	16 44	0 59	8 52	0 58	11 12	0 46	12 43	1 58	2 51	0 41	7 53	1 54	30 27	13 49	22 18	22 29	21 41		n.a.
S 19	2 48	18 8	2 22	10 0	2 2	16 24	1 1	8 34	0 57	11 17	0 46	12 40	1 58	2 49	0 41	7 54	1 54	30 27	13 49	22 18	22 30	21 41		n.a.
S 20	2 25	14 56	3 15	9 12	1 58	16 3	1 4	8 17	0 57	11 21	0 46	12 38	1 58	2 48	0 41	7 55	1 54	30 27	13 49	22 19	22 30	21 40		n.a.
M21	2 1	11 3	4 0	8 23	1 52	15 42	1 6	7 59	0 57	11 26	0 46	12 35	1 59	2 47	0 41	7 56	1 54	30 27	13 50	22 20	22 30	21 40		n.a.
T 22	1 38	6 39	4 34	7 33	1 47	15 21	1 8	7 41	0 56	11 30	0 46	12 33	1 59	2 45	0 41	7 56	1 54	30 27	13 50	22 22	22 31	21 39		n.a.
W23	1 14	1 53	4 55	6 40	1 40	14 59	1 10	7 23	0 56	11 35	0 46	12 30	1 59	2 44	0 41	7 57	1 54	30 26	13 50	22 24	22 31	21 38		n.a.
T 24	0 51	3s 3	5 2	5 47	1 34	14 37	1 12	7 5	0 56	11 39	0 45	12 28	1 59	2 43	0 41	7 58	1 54	30 26	13 50	22 25	22 32	21 38		n.a.
F 25	0 27	7 55	4 53	4 52	1 26	14 14	1 14	6 47	0 55	11 44	0 45	12 25	1 59	2 41	0 41	7 59	1 54	30 26	13 51	22 27	22 32	21 37		n.a.
S 26	0 4	12 30	4 29	3 56	1 19	13 51	1 16	6 29	0 55	11 48	0 45	12 23	1 59	2 40	0 41	7 59	1 54	30 26	13 51	22 28	22 33	21 37		n.a.
S 27	0n19	16 32	3 49	2 59	1 10	13 28	1 18	6 11	0 54	11 53	0 45	12 20	1 59	2 38	0 41	8 0	1 54	30 26	13 51	22 29	22 33	21 36		n.a.
M28	0 43	19 45	2 55	2 1	1 2	13 4	1 20	5 53	0 54	11 58	0 45	12 18	1 59	2 37	0 41	8 1	1 54	30 26	13 51	22 29	22 33	21 36		n.a.
T 29	1 6	21 51	1 51	1 2	0 52	12 40	1 21	5 35	0 54	12 2	0 45	12 15	2 0	2 36	0 41	8 2	1 54	30 26	13 52	22 29	22 34	21 35		n.a.
W30	1 30	22 39	0 39	0 2	0 43	12 16	1 23	5 17	0 53	12 7	0 44	12 13	2 0	2 34	0 41	8 3	1 54	30 26	13 52	22 29	22 34	21 35		n.a.
T 31	1n53	22s 0	0s36	0n59	0s33	11s51	1s25	4s58	0s53	12n11	0s44	12s11	2s 0	2s33	0s41	8n 3	1s54	30s26	13s52	22n29	22n35	21n34		n.a.

Julian Day Number = 1568077.5, Delta T = 04h19m35s
Ecliptic obliquity = 23°44'43, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'13, Lahiri = - 9°45'13 Julian Calendar 1 March 420 BCE == Greg. Calendar 24 Feb. 420 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

APRIL 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 15 49	5♈38'39	9♒21	5♈50	4♓12	20♓21	3♉50	3♓42	25♓16	25♈ 6	12♒47	18°R11	17♋30	29♋32	n.a.	F 1
S 2	12 19 46	6°36'39	23°47	8° 0	5°24	21° 6	4° 3	3°49	25°20	25° 8	12°48	18♋ 7	17°27	29°39	n.a.	S 2
S 3	12 23 42	7°34'38	8♓17	10°10	6°36	21°51	4°16	3°56	25°23	25°10	12°49	18° 1	17°23	29°46	n.a.	S 3
M 4	12 27 39	8°32'35	22°43	12°19	7°48	22°36	4°30	4° 2	25°27	25°12	12°50	17°52	17°20	29°52	n.a.	M 4
T 5	12 31 35	9°30'31	7♈ 1	14°29	9° 0	23°20	4°43	4° 9	25°30	25°14	12°51	17°41	17°17	29°59	n.a.	T 5
W 6	12 35 32	10°28'25	21° 3	16°38	10°12	24° 5	4°56	4°16	25°33	25°17	12°52	17°29	17°14	0♌ 6	n.a.	W 6
T 7	12 39 29	11°26'17	4♉45	18°46	11°24	24°49	5° 9	4°22	25°37	25°19	12°53	17°17	17°11	0°12	n.a.	T 7
F 8	12 43 25	12°24'08	18° 4	20°53	12°36	25°34	5°23	4°29	25°40	25°21	12°54	17° 7	17° 8	0°19	n.a.	F 8
S 9	12 47 22	13°21'57	1♊ 0	22°59	13°48	26°18	5°36	4°36	25°43	25°23	12°55	17° 0	17° 4	0°26	n.a.	S 9
S 10	12 51 18	14°19'44	13°34	25° 3	15° 1	27° 2	5°49	4°42	25°47	25°25	12°56	16°55	17° 1	0°32	n.a.	S 10
M11	12 55 15	15°17'30	25°50	27° 5	16°13	27°47	6° 3	4°48	25°50	25°28	12°57	16°52	16°58	0°39	n.a.	M11
T 12	12 59 11	16°15'13	7♋51	29° 6	17°25	28°31	6°16	4°55	25°53	25°30	12°58	16°51	16°55	0°46	n.a.	T 12
W13	13 3 8	17°12'55	19°42	1♉ 3	18°37	29°15	6°30	5° 1	25°56	25°32	12°58	16°51	16°52	0°52	n.a.	W13
T 14	13 7 4	18°10'36	1♌31	2°59	19°49	29°59	6°43	5° 7	26° 0	25°34	12°59	16°51	16°49	0°59	n.a.	T 14
F 15	13 11 1	19° 8'14	13°21	4°51	21° 2	0♈43	6°57	5°14	26° 3	25°37	13° 0	16°49	16°45	1° 6	n.a.	F 15
S 16	13 14 58	20° 5'51	25°18	6°41	22°14	1°27	7°10	5°20	26° 6	25°39	13° 1	16°45	16°42	1°12	n.a.	S 16
S 17	13 18 54	21° 3'26	7♍26	8°28	23°26	2°11	7°24	5°26	26° 9	25°41	13° 2	16°39	16°39	1°19	n.a.	S 17
M18	13 22 51	22° 1'00	19°49	10°12	24°38	2°55	7°37	5°32	26°12	25°43	13° 2	16°30	16°36	1°25	n.a.	M18
T 19	13 26 47	22°58'32	2♎28	11°52	25°51	3°39	7°51	5°38	26°16	25°46	13° 3	16°19	16°33	1°32	n.a.	T 19
W20	13 30 44	23°56'03	15°25	13°30	27° 3	4°23	8° 4	5°44	26°19	25°48	13° 4	16° 7	16°29	1°39	n.a.	W20
T 21	13 34 40	24°53'33	28°39	15° 5	28°15	5° 6	8°18	5°50	26°22	25°50	13° 4	15°54	16°26	1°45	n.a.	T 21
F 22	13 38 37	25°51'01	12♏ 8	16°36	29°28	5°50	8°32	5°55	26°25	25°52	13° 5	15°43	16°23	1°52	n.a.	F 22
S 23	13 42 33	26°48'28	25°50	18° 4	0♈40	6°34	8°45	6° 1	26°28	25°55	13° 6	15°34	16°20	1°59	n.a.	S 23
S 24	13 46 30	27°45'55	9♐41	19°29	1°52	7°17	8°59	6° 7	26°31	25°57	13° 6	15°27	16°17	2° 5	n.a.	S 24
M25	13 50 27	28°43'20	23°38	20°50	3° 5	8° 1	9°13	6°13	26°34	25°59	13° 7	15°24	16°14	2°12	n.a.	M25
T 26	13 54 23	29°40'45	7♑41	22° 8	4°17	8°44	9°27	6°18	26°37	26° 1	13° 7	15°22	16°10	2°19	n.a.	T 26
W27	13 58 20	0♑38'09	21°46	23°23	5°30	9°28	9°40	6°24	26°40	26° 4	13° 8	15°D22	16° 7	2°25	n.a.	W27
T 28	14 2 16	1°35'32	5♒54	24°34	6°42	10°11	9°54	6°29	26°43	26° 6	13° 8	15°R22	16° 4	2°32	n.a.	T 28
F 29	14 6 13	2°32'54	20° 3	25°41	7°55	10°54	10° 8	6°34	26°46	26° 8	13° 9	15°21	16° 1	2°39	n.a.	F 29
S 30	14 10 9	3♉30'15	4♓11	26♉45	9♈ 7	11♈38	10♉22	6♓40	26♓49	26♈10	13♒ 9	15♋18	15♋58	2♌45	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n16	19s54	1s50	2n 0	0s23	11s26	1s26	4s40	0s53	12n16	0s44	12s 8	2s 0	2s32	0s41	8n 4	1s54	30s26	13s53	22n30	22n35	21n34		n.a.
S 2	2 39	16 32	2 57	3 1	0 13	11 0	1 27	4 22	0 52	12 21	0 44	12 6	2 0	2 30	0 41	8 5	1 54	30 26	13 53	22 30	22 35	21 33		n.a.
S 3	3 3	12 9	3 52	4 3	0 2	10 34	1 29	4 4	0 52	12 25	0 44	12 3	2 0	2 29	0 41	8 6	1 54	30 25	13 53	22 31	22 36	21 32		n.a.
M 4	3 26	7 5	4 33	5 4	0n 9	10 8	1 30	3 46	0 51	12 30	0 44	12 1	2 0	2 28	0 41	8 7	1 54	30 25	13 53	22 32	22 36	21 32		n.a.
T 5	3 49	1 42	4 56	6 5	0 19	9 42	1 31	3 27	0 51	12 34	0 44	11 59	2 1	2 26	0 41	8 8	1 54	30 25	13 54	22 34	22 37	21 31		n.a.
W 6	4 12	3n41	5 0	7 5	0 30	9 16	1 32	3 9	0 51	12 39	0 43	11 56	2 1	2 25	0 41	8 8	1 54	30 25	13 54	22 35	22 37	21 31		n.a.
T 7	4 35	8 46	4 47	8 4	0 41	8 49	1 33	2 51	0 50	12 44	0 43	11 54	2 1	2 24	0 41	8 9	1 54	30 25	13 54	22 37	22 38	21 30		n.a.
F 8	4 58	13 18	4 19	9 3	0 51	8 22	1 34	2 33	0 50	12 48	0 43	11 52	2 1	2 22	0 41	8 10	1 54	30 25	13 55	22 38	22 38	21 29		n.a.
S 9	5 20	17 5	3 37	10 0	1 1	7 54	1 35	2 14	0 49	12 53	0 43	11 50	2 1	2 21	0 41	8 11	1 54	30 25	13 55	22 39	22 38	21 29		n.a.
S 10	5 43	19 58	2 47	10 55	1 11	7 27	1 36	1 56	0 49	12 57	0 43	11 47	2 1	2 20	0 41	8 12	1 54	30 25	13 55	22 40	22 39	21 28		n.a.
M11	6 6	21 52	1 49	11 49	1 20	6 59	1 36	1 38	0 48	13 2	0 43	11 45	2 2	2 18	0 41	8 12	1 54	30 25	13 56	22 40	22 39	21 28		n.a.
T 12	6 28	22 43	0 48	12 41	1 29	6 31	1 37	1 20	0 48	13 7	0 43	11 43	2 2	2 17	0 41	8 13	1 54	30 25	13 56	22 40	22 40	21 27		n.a.
W13	6 51	22 32	0n15	13 31	1 38	6 3	1 38	1 2	0 48	13 11	0 43	11 41	2 2	2 16	0 41	8 14	1 54	30 26	13 56	22 40	22 40	21 26		n.a.
T 14	7 13	21 20	1 17	14 19	1 46	5 35	1 38	0 43	0 47	13 16	0 42	11 39	2 2	2 14	0 41	8 15	1 54	30 26	13 57	22 40	22 40	21 26		n.a.
F 15	7 35	19 11	2 16	15 5	1 53	5 6	1 39	0 25	0 47	13 20	0 42	11 36	2 2	2 13	0 41	8 16	1 54	30 26	13 57	22 40	22 41	21 25		n.a.
S 16	7 57	16 12	3 9	15 48	2 0	4 38	1 39	0 7	0 46	13 25	0 42	11 34	2 2	2 12	0 41	8 17	1 54	30 26	13 57	22 41	22 41	21 24		n.a.
S 17	8 19	12 30	3 54	16 29	2 6	4 9	1 39	0n11	0 46	13 30	0 42	11 32	2 3	2 11	0 41	8 17	1 54	30 26	13 58	22 42	22 42	21 24		n.a.
M18	8 41	8 12	4 29	17 8	2 11	3 40	1 39	0 29	0 45	13 34	0 42	11 30	2 3	2 9	0 41	8 18	1 54	30 26	13 58	22 43	22 42	21 23		n.a.
T 19	9 3	3 28	4 52	17 44	2 15	3 11	1 39	0 47	0 45	13 39	0 42	11 28	2 3	2 8	0 41	8 19	1 54	30 26	13 58	22 44	22 42	21 22		n.a.
W20	9 24	1s32	5 1	18 18	2 19	2 42	1 39	1 5	0 44	13 43	0 42	11 26	2 3	2 7	0 41	8 20	1 54	30 26	13 59	22 46	22 43	21 22		n.a.
T 21	9 46	6 34	4 53	18 50	2 22	2 13	1 39	1 23	0 44	13 48	0 42	11 24	2 3	2 6	0 41	8 21	1 54	30 26	13 59	22 47	22 43	21 21		n.a.
F 22	10 7	11 24	4 30	19 19	2 24	1 44	1 39	1 41	0 43	13 52	0 41	11 22	2 4	2 4	0 41	8 22	1 54	30 26	13 59	22 48	22 44	21 20		n.a.
S 23	10 28	15 44	3 50	19 46	2 26	1 15	1 39	1 59	0 43	13 57	0 41	11 20	2 4	2 3	0 41	8 22	1 54	30 27	14 0	22 49	22 44	21 20		n.a.
S 24	10 49	19 16	2 57	20 10	2 26	0 45	1 39	2 17	0 42	14 1	0 41	11 18	2 4	2 2	0 41	8 23	1 54	30 27	14 0	22 50	22 44	21 19		n.a.
M25	11 9	21 43	1 52	20 32	2 26	0 16	1 38	2 35	0 42	14 6	0 41	11 16	2 4	2 1	0 41	8 24	1 54	30 27	14 0	22 51	22 45	21 18		n.a.
T 26	11 30	22 51	0 41	20 52	2 25	0n14	1 38	2 53	0 41	14 10	0 41	11 14	2 4	1 59	0 41	8 25	1 54	30 27	14 1	22 51	22 45	21 18		n.a.
W27	11 50	22 31	0s34	21 10	2 23	0 43	1 38	3 10	0 41	14 15	0 41	11 12	2 5	1 58	0 41	8 26	1 54	30 27	14 1	22 51	22 45	21 17		n.a.
T 28	12 11	20 46	1 47	21 25	2 21	1 13	1 37	3 28	0 40	14 19	0 41	11 10	2 5	1 57	0 41	8 27	1 54	30 27	14 1	22 51	22 46	21 16		n.a.
F 29	12 31	17 43	2 53	21 39	2 17	1 42	1 36	3 46	0 40	14 24	0 41	11 9	2 5	1 56	0 41	8 27	1 54	30 28	14 2	22 51	22 46	21 15		n.a.
S 30	12n51	13s38	3s49	21n50	2n13	2n12	1s36	4n 3	0s39	14n28	0s41	11s 7	2s 5	1s55	0s41	8n28	1s54	30s28	14s 2	22n51	22n47	21n15		n.a.

Julian Day Number = 1568108.5, Delta T = 04h19m34s
Ecliptic obliquity = 23°44'44, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'09, Lahiri = - 9°45'08 Julian Calendar 1 Apr. 420 BCE == Greg. Calendar 27 March 420 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

MAY 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 14 6	4♉27'36	18♓17	27♉46	10♈20	12♈21	10♉35	6♓45	26♓52	26♈12	13♒10	15°R12	15♋54	2♌52	n.a.	S 1
M 2	14 18 2	5°24'56	2♈18	28°42	11°32	13° 4	10°49	6°50	26°55	26°15	13°10	15♋ 4	15°51	2°59	n.a.	M 2
T 3	14 21 59	6°22'15	16°10	29°35	12°45	13°47	11° 3	6°55	26°57	26°17	13°11	14°54	15°48	3° 5	n.a.	T 3
W 4	14 25 56	7°19'34	29°49	0♊24	13°57	14°30	11°17	7° 0	27° 0	26°19	13°11	14°43	15°45	3°12	n.a.	W 4
T 5	14 29 52	8°16'51	13♉12	1° 9	15°10	15°13	11°31	7° 5	27° 3	26°21	13°11	14°33	15°42	3°19	n.a.	T 5
F 6	14 33 49	9°14'08	26°17	1°50	16°23	15°56	11°44	7°10	27° 6	26°24	13°12	14°23	15°39	3°25	n.a.	F 6
S 7	14 37 45	10°11'24	9♊ 3	2°27	17°35	16°39	11°58	7°15	27° 8	26°26	13°12	14°16	15°35	3°32	n.a.	S 7
S 8	14 41 42	11° 8'40	21°32	2°59	18°48	17°22	12°12	7°20	27°11	26°28	13°12	14°11	15°32	3°39	n.a.	S 8
M 9	14 45 38	12° 5'54	3♋44	3°27	20° 0	18° 4	12°26	7°24	27°14	26°30	13°13	14° 9	15°29	3°45	n.a.	M 9
T 10	14 49 35	13° 3'07	15°44	3°51	21°13	18°47	12°40	7°29	27°16	26°32	13°13	14°D 8	15°26	3°52	n.a.	T 10
W11	14 53 31	14° 0'20	27°36	4°10	22°26	19°30	12°53	7°33	27°19	26°35	13°13	14° 9	15°23	3°58	n.a.	W11
T 12	14 57 28	14°57'32	9♌25	4°25	23°39	20°12	13° 7	7°38	27°22	26°37	13°13	14°R10	15°20	4° 5	n.a.	T 12
F 13	15 1 25	15°54'42	21°16	4°35	24°51	20°55	13°21	7°42	27°24	26°39	13°13	14°10	15°16	4°12	n.a.	F 13
S 14	15 5 21	16°51'52	3♍14	4°41	26° 4	21°37	13°35	7°46	27°27	26°41	13°14	14° 8	15°13	4°18	n.a.	S 14
S 15	15 9 18	17°49'01	15°25	4°R42	27°17	22°19	13°49	7°50	27°29	26°43	13°14	14° 5	15°10	4°25	n.a.	S 15
M16	15 13 14	18°46'10	27°53	4°39	28°30	23° 2	14° 2	7°55	27°32	26°45	13°14	13°59	15° 7	4°32	n.a.	M16
T 17	15 17 11	19°43'17	10♎40	4°31	29°42	23°44	14°16	7°59	27°34	26°47	13°14	13°52	15° 4	4°38	n.a.	T 17
W18	15 21 7	20°40'24	23°49	4°19	0♏55	24°26	14°30	8° 2	27°36	26°49	13°14	13°43	15° 0	4°45	n.a.	W18
T 19	15 25 4	21°37'31	7♏19	4° 3	2° 8	25° 8	14°44	8° 6	27°39	26°51	13°R14	13°35	14°57	4°52	n.a.	T 19
F 20	15 29 0	22°34'37	21° 8	3°43	3°21	25°50	14°57	8°10	27°41	26°54	13°14	13°27	14°54	4°58	n.a.	F 20
S 21	15 32 57	23°31'43	5♐13	3°19	4°34	26°32	15°11	8°14	27°43	26°56	13°14	13°20	14°51	5° 5	n.a.	S 21
S 22	15 36 54	24°28'49	19°30	2°52	5°47	27°14	15°25	8°17	27°45	26°58	13°14	13°16	14°48	5°12	n.a.	S 22
M23	15 40 50	25°25'55	3♑52	2°23	7° 0	27°56	15°39	8°21	27°48	27° 0	13°14	13°14	14°45	5°18	n.a.	M23
T 24	15 44 47	26°23'00	18°16	1°51	8°13	28°38	15°52	8°24	27°50	27° 2	13°14	13°D14	14°41	5°25	n.a.	T 24
W25	15 48 43	27°20'06	2♒37	1°17	9°26	29°20	16° 6	8°28	27°52	27° 4	13°13	13°15	14°38	5°32	n.a.	W25
T 26	15 52 40	28°17'12	16°53	0°42	10°39	0♉ 2	16°20	8°31	27°54	27° 6	13°13	13°16	14°35	5°38	n.a.	T 26
F 27	15 56 36	29°14'18	1♓ 1	0° 7	11°52	0°43	16°33	8°34	27°56	27° 8	13°13	13°R16	14°32	5°45	n.a.	F 27
S 28	16 0 33	0♊11'24	15° 1	29♉31	13° 5	1°25	16°47	8°37	27°58	27°10	13°13	13°15	14°29	5°52	n.a.	S 28
S 29	16 4 29	1° 8'30	28°51	28°56	14°18	2° 7	17° 0	8°40	28° 0	27°12	13°13	13°13	14°26	5°58	n.a.	S 29
M30	16 8 26	2° 5'36	12♈30	28°22	15°31	2°48	17°14	8°43	28° 2	27°14	13°13	13° 8	14°22	6° 5	n.a.	M30
T 31	16 12 23	3♊ 2'43	25♈57	27♉50	16♉44	3♉30	17♉28	8♓45	28♓ 4	27♈15	13♒12	13♋ 2	14♋19	6♌12	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	13n10	8s49	4s30	21n59	2n 7	2n41	1s35	4n21	0s39	14n33	0s41	11s 5	2s 6	1s54	0s41	8n29	1s54	30s28	14s 2	22n52	22n47	21n14			n.a.
M 2	13 30	3 35	4 55	22 6	2 1	3 11	1 34	4 38	0 38	14 37	0 40	11 3	2 6	1 52	0 41	8 30	1 54	30 28	14 3	22 53	22 47	21 13			n.a.
T 3	13 49	1n47	5 2	22 11	1 54	3 40	1 33	4 56	0 38	14 42	0 40	11 2	2 6	1 51	0 41	8 31	1 54	30 28	14 3	22 54	22 48	21 12			n.a.
W 4	14 8	7 0	4 52	22 14	1 47	4 9	1 32	5 13	0 37	14 46	0 40	11 0	2 6	1 50	0 41	8 31	1 54	30 29	14 4	22 55	22 48	21 12			n.a.
T 5	14 27	11 46	4 26	22 15	1 38	4 39	1 31	5 30	0 37	14 51	0 40	10 58	2 6	1 49	0 41	8 32	1 54	30 29	14 4	22 56	22 49	21 11			n.a.
F 6	14 45	15 54	3 46	22 14	1 29	5 8	1 30	5 48	0 36	14 55	0 40	10 57	2 7	1 48	0 41	8 33	1 54	30 29	14 4	22 57	22 49	21 10			n.a.
S 7	15 4	19 12	2 56	22 12	1 19	5 37	1 29	6 5	0 36	14 59	0 40	10 55	2 7	1 47	0 41	8 34	1 54	30 29	14 5	22 58	22 49	21 9			n.a.
S 8	15 22	21 31	1 58	22 8	1 8	6 6	1 28	6 22	0 35	15 4	0 40	10 54	2 7	1 46	0 41	8 35	1 54	30 30	14 5	22 59	22 50	21 9			n.a.
M 9	15 40	22 46	0 55	22 2	0 56	6 35	1 27	6 39	0 34	15 8	0 40	10 52	2 7	1 45	0 41	8 35	1 54	30 30	14 5	22 59	22 50	21 8			n.a.
T 10	15 57	22 57	0n 9	21 54	0 43	7 4	1 25	6 56	0 34	15 12	0 40	10 50	2 8	1 44	0 41	8 36	1 54	30 30	14 6	22 59	22 50	21 7			n.a.
W11	16 15	22 5	1 11	21 45	0 30	7 33	1 24	7 13	0 33	15 17	0 40	10 49	2 8	1 43	0 41	8 37	1 54	30 30	14 6	22 59	22 51	21 6			n.a.
T 12	16 32	20 14	2 11	21 34	0 16	8 1	1 23	7 29	0 33	15 21	0 39	10 48	2 8	1 42	0 42	8 38	1 54	30 31	14 6	22 59	22 51	21 5			n.a.
F 13	16 49	17 31	3 5	21 22	0 2	8 29	1 21	7 46	0 32	15 25	0 39	10 46	2 8	1 41	0 42	8 38	1 54	30 31	14 7	22 59	22 51	21 5			n.a.
S 14	17 5	14 3	3 52	21 8	0s13	8 58	1 20	8 3	0 32	15 30	0 39	10 45	2 9	1 40	0 42	8 39	1 54	30 31	14 7	22 59	22 52	21 4			n.a.
S 15	17 22	9 57	4 29	20 53	0 29	9 26	1 18	8 19	0 31	15 34	0 39	10 43	2 9	1 39	0 42	8 40	1 54	30 32	14 8	22 59	22 52	21 3			n.a.
M16	17 38	5 21	4 54	20 36	0 45	9 53	1 16	8 36	0 30	15 38	0 39	10 42	2 9	1 38	0 42	8 41	1 54	30 32	14 8	23 0	22 53	21 2			n.a.
T 17	17 53	0 24	5 6	20 19	1 1	10 21	1 15	8 52	0 30	15 42	0 39	10 41	2 9	1 37	0 42	8 41	1 54	30 32	14 8	23 1	22 53	21 1			n.a.
W18	18 9	4s41	5 2	20 0	1 18	10 48	1 13	9 8	0 29	15 46	0 39	10 40	2 10	1 36	0 42	8 42	1 54	30 33	14 9	23 2	22 53	21 1			n.a.
T 19	18 24	9 42	4 41	19 41	1 34	11 15	1 11	9 24	0 29	15 51	0 39	10 38	2 10	1 35	0 42	8 43	1 54	30 33	14 9	23 3	22 54	21 0			n.a.
F 20	18 39	14 22	4 3	19 21	1 51	11 42	1 9	9 40	0 28	15 55	0 39	10 37	2 10	1 34	0 42	8 44	1 54	30 33	14 9	23 3	22 54	20 59			n.a.
S 21	18 54	18 20	3 10	19 1	2 7	12 9	1 8	9 56	0 28	15 59	0 39	10 36	2 10	1 33	0 42	8 44	1 54	30 34	14 10	23 4	22 54	20 58			n.a.
S 22	19 8	21 15	2 5	18 40	2 23	12 35	1 6	10 12	0 27	16 3	0 39	10 35	2 11	1 32	0 42	8 45	1 54	30 34	14 10	23 4	22 55	20 57			n.a.
M23	19 22	22 51	0 50	18 18	2 39	13 1	1 4	10 28	0 26	16 7	0 39	10 34	2 11	1 32	0 42	8 46	1 54	30 34	14 10	23 5	22 55	20 56			n.a.
T 24	19 36	22 56	0s27	17 57	2 54	13 27	1 2	10 44	0 26	16 11	0 39	10 33	2 11	1 31	0 42	8 47	1 54	30 35	14 11	23 5	22 55	20 56			n.a.
W25	19 49	21 30	1 43	17 37	3 8	13 52	1 0	10 59	0 25	16 15	0 38	10 32	2 11	1 30	0 42	8 47	1 54	30 35	14 11	23 5	22 56	20 55			n.a.
T 26	20 2	18 42	2 52	17 16	3 22	14 18	0 58	11 15	0 25	16 19	0 38	10 31	2 12	1 29	0 42	8 48	1 54	30 35	14 12	23 4	22 56	20 54			n.a.
F 27	20 15	14 49	3 50	16 57	3 34	14 42	0 56	11 30	0 24	16 23	0 38	10 30	2 12	1 28	0 42	8 49	1 54	30 36	14 12	23 4	22 56	20 53			n.a.
S 28	20 27	10 10	4 33	16 39	3 45	15 7	0 53	11 45	0 23	16 27	0 38	10 29	2 12	1 27	0 42	8 49	1 54	30 36	14 12	23 5	22 57	20 52			n.a.
S 29	20 39	5 3	5 0	16 21	3 55	15 31	0 51	12 0	0 23	16 31	0 38	10 28	2 12	1 27	0 42	8 50	1 54	30 37	14 13	23 5	22 57	20 51			n.a.
M30	20 51	0n15	5 10	16 6	4 3	15 55	0 49	12 15	0 22	16 35	0 38	10 27	2 13	1 26	0 42	8 51	1 54	30 37	14 13	23 5	22 58	20 50			n.a.
T 31	21n 2	5n28	5s 2	15n52	4s11	16n18	0s47	12n30	0s21	16n39	0s38	10s26	2s13	1s25	0s42	8n51	1s54	30s37	14s13	23n 6	22n58	20n49			n.a.

Julian Day Number = 1568138.5, Delta T = 04h19m33s
Ecliptic obliquity = 23°44'44, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'05, Lahiri = - 9°45'04 Julian Calendar 1 May 420 BCE == Greg. Calendar 26 Apr. 420 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

JUNE 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 16 19	3♊59'50	9♉12	27°R20	17♉57	4♉11	17♉41	8♓48	28♓ 6	27♈17	13°R12	12°R56	14♋16	6♌18	n.a.	W 1
T 2	16 20 16	4°56'57	22°12	26♉53	19°10	4°52	17°55	8°51	28° 7	27°19	13♒12	12♋50	14°13	6°25	n.a.	T 2
F 3	16 24 12	5°54'05	4♊57	26°29	20°23	5°34	18° 8	8°53	28° 9	27°21	13°11	12°44	14°10	6°32	n.a.	F 3
S 4	16 28 9	6°51'12	17°29	26° 9	21°37	6°15	18°21	8°56	28°11	27°23	13°11	12°40	14° 6	6°38	n.a.	S 4
S 5	16 32 5	7°48'20	29°46	25°54	22°50	6°56	18°35	8°58	28°13	27°25	13°11	12°38	14° 3	6°45	n.a.	S 5
M 6	16 36 2	8°45'28	11♋52	25°42	24° 3	7°37	18°48	9° 0	28°14	27°27	13°10	12°D37	14° 0	6°52	n.a.	M 6
T 7	16 39 59	9°42'36	23°48	25°35	25°16	8°18	19° 1	9° 2	28°16	27°28	13°10	12°37	13°57	6°58	n.a.	T 7
W 8	16 43 55	10°39'44	5♌38	25°D33	26°30	8°59	19°15	9° 4	28°17	27°30	13° 9	12°39	13°54	7° 5	n.a.	W 8
T 9	16 47 52	11°36'53	17°26	25°37	27°43	9°40	19°28	9° 6	28°19	27°32	13° 9	12°40	13°51	7°11	n.a.	T 9
F 10	16 51 48	12°34'01	29°17	25°45	28°56	10°21	19°41	9° 8	28°20	27°34	13° 8	12°42	13°47	7°18	n.a.	F 10
S 11	16 55 45	13°31'09	11♍15	25°59	0♊10	11° 2	19°54	9° 9	28°22	27°35	13° 8	12°R43	13°44	7°25	n.a.	S 11
S 12	16 59 41	14°28'18	23°26	26°18	1°23	11°43	20° 8	9°11	28°23	27°37	13° 7	12°42	13°41	7°31	n.a.	S 12
M13	17 3 38	15°25'26	5♎54	26°42	2°36	12°23	20°21	9°12	28°24	27°39	13° 7	12°41	13°38	7°38	n.a.	M13
T 14	17 7 34	16°22'35	18°42	27°12	3°50	13° 4	20°34	9°14	28°26	27°40	13° 6	12°38	13°35	7°45	n.a.	T 14
W15	17 11 31	17°19'44	1♏54	27°48	5° 3	13°45	20°47	9°15	28°27	27°42	13° 6	12°35	13°31	7°51	n.a.	W15
T 16	17 15 28	18°16'54	15°31	28°28	6°17	14°25	21° 0	9°16	28°28	27°43	13° 5	12°31	13°28	7°58	n.a.	T 16
F 17	17 19 24	19°14'04	29°32	29°14	7°30	15° 5	21°13	9°17	28°29	27°45	13° 4	12°28	13°25	8° 5	n.a.	F 17
S 18	17 23 21	20°11'15	13♐54	0♊ 5	8°44	15°46	21°25	9°18	28°30	27°46	13° 4	12°26	13°22	8°11	n.a.	S 18
S 19	17 27 17	21° 8'26	28°31	1° 2	9°57	16°26	21°38	9°19	28°31	27°48	13° 3	12°24	13°19	8°18	n.a.	S 19
M20	17 31 14	22° 5'38	13♑18	2° 3	11°11	17° 6	21°51	9°20	28°32	27°49	13° 2	12°D24	13°16	8°25	n.a.	M20
T 21	17 35 10	23° 2'51	28° 6	3°10	12°24	17°47	22° 4	9°21	28°33	27°51	13° 2	12°24	13°12	8°31	n.a.	T 21
W22	17 39 7	24° 0'04	12♒50	4°21	13°38	18°27	22°17	9°21	28°34	27°52	13° 1	12°25	13° 9	8°38	n.a.	W22
T 23	17 43 3	24°57'19	27°23	5°38	14°52	19° 7	22°29	9°22	28°35	27°54	13° 0	12°26	13° 6	8°45	n.a.	T 23
F 24	17 47 0	25°54'35	11♓41	6°59	16° 5	19°47	22°42	9°22	28°36	27°55	13° 0	12°27	13° 3	8°51	n.a.	F 24
S 25	17 50 57	26°51'52	25°43	8°25	17°19	20°27	22°54	9°22	28°36	27°57	12°59	12°R28	13° 0	8°58	n.a.	S 25
S 26	17 54 53	27°49'10	9♈27	9°55	18°33	21° 7	23° 7	9°22	28°37	27°58	12°58	12°27	12°57	9° 5	n.a.	S 26
M27	17 58 50	28°46'29	22°53	11°29	19°47	21°47	23°19	9°R22	28°38	27°59	12°57	12°26	12°53	9°11	n.a.	M27
T 28	18 2 46	29°43'49	6♉ 3	13° 8	21° 0	22°27	23°31	9°22	28°38	28° 0	12°56	12°25	12°50	9°18	n.a.	T 28
W29	18 6 43	0♋41'11	18°56	14°50	22°14	23° 6	23°44	9°22	28°39	28° 2	12°55	12°24	12°47	9°25	n.a.	W29
T 30	18 10 39	1♋38'34	1♊36	16♊36	23♊28	23♉46	23♉56	9♓22	28♓40	28♈ 3	12♒55	12♋22	12♋44	9♌31	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n13	10n21	4s38	15n39	4s16	16n41	0s45	12n45	0s21	16n43	0s38	10s26	2s13	1s24	0s42	8n52	1s54	30s38	14s14	23n 6	22n58	20n48		n.a.
T 2	21 24	14 41	4 0	15 29	4 20	17 4	0 42	13 0	0 20	16 47	0 38	10 25	2 14	1 24	0 42	8 53	1 54	30 38	14 14	23 7	22 59	20 48		n.a.
F 3	21 34	18 16	3 11	15 21	4 23	17 26	0 40	13 14	0 20	16 51	0 38	10 24	2 14	1 23	0 42	8 53	1 54	30 39	14 14	23 8	22 59	20 47		n.a.
S 4	21 44	20 57	2 13	15 15	4 24	17 47	0 38	13 29	0 19	16 54	0 38	10 24	2 14	1 22	0 42	8 54	1 54	30 39	14 15	23 8	22 59	20 46		n.a.
S 5	21 53	22 35	1 10	15 12	4 24	18 9	0 35	13 43	0 18	16 58	0 38	10 23	2 14	1 22	0 42	8 54	1 54	30 40	14 15	23 8	23 0	20 45		n.a.
M 6	22 3	23 8	0 4	15 11	4 23	18 29	0 33	13 57	0 18	17 2	0 38	10 22	2 15	1 21	0 42	8 55	1 54	30 40	14 15	23 8	23 0	20 44		n.a.
T 7	22 11	22 37	1n 1	15 12	4 20	18 50	0 31	14 11	0 17	17 6	0 38	10 22	2 15	1 21	0 42	8 56	1 54	30 41	14 16	23 8	23 0	20 43		n.a.
W 8	22 20	21 5	2 3	15 15	4 16	19 10	0 28	14 25	0 16	17 10	0 38	10 21	2 15	1 20	0 42	8 56	1 54	30 41	14 16	23 8	23 1	20 42		n.a.
T 9	22 28	18 39	2 59	15 21	4 10	19 29	0 26	14 39	0 16	17 13	0 37	10 21	2 16	1 19	0 42	8 57	1 54	30 41	14 16	23 8	23 1	20 41		n.a.
F 10	22 36	15 26	3 49	15 30	4 4	19 48	0 24	14 52	0 15	17 17	0 37	10 20	2 16	1 19	0 42	8 57	1 55	30 42	14 17	23 8	23 1	20 40		n.a.
S 11	22 43	11 33	4 28	15 40	3 56	20 6	0 21	15 6	0 14	17 21	0 37	10 20	2 16	1 18	0 42	8 58	1 55	30 42	14 17	23 8	23 2	20 39		n.a.
S 12	22 50	7 10	4 57	15 53	3 48	20 24	0 19	15 19	0 14	17 24	0 37	10 20	2 16	1 18	0 42	8 59	1 55	30 43	14 17	23 8	23 2	20 38		n.a.
M13	22 56	2 24	5 12	16 8	3 39	20 41	0 16	15 33	0 13	17 28	0 37	10 19	2 17	1 17	0 42	8 59	1 55	30 43	14 18	23 8	23 2	20 37		n.a.
T 14	23 2	2s37	5 12	16 24	3 28	20 58	0 14	15 46	0 12	17 31	0 37	10 19	2 17	1 17	0 42	9 0	1 55	30 44	14 18	23 8	23 3	20 36		n.a.
W15	23 8	7 39	4 57	16 43	3 18	21 14	0 11	15 59	0 12	17 35	0 37	10 19	2 17	1 16	0 42	9 0	1 55	30 44	14 18	23 8	23 3	20 35		n.a.
T 16	23 13	12 29	4 24	17 3	3 6	21 29	0 9	16 12	0 11	17 38	0 37	10 19	2 18	1 16	0 42	9 1	1 55	30 45	14 19	23 9	23 3	20 34		n.a.
F 17	23 18	16 49	3 35	17 24	2 54	21 44	0 7	16 24	0 10	17 42	0 37	10 19	2 18	1 15	0 42	9 1	1 55	30 45	14 19	23 9	23 4	20 33		n.a.
S 18	23 23	20 16	2 31	17 48	2 42	21 58	0 4	16 37	0 10	17 45	0 37	10 19	2 18	1 15	0 43	9 2	1 55	30 46	14 19	23 9	23 4	20 32		n.a.
S 19	23 27	22 28	1 16	18 12	2 29	22 12	0 2	16 49	0 9	17 49	0 37	10 18	2 18	1 15	0 43	9 2	1 55	30 46	14 20	23 10	23 4	20 31		n.a.
M20	23 30	23 9	0s 5	18 37	2 16	22 25	0n 1	17 1	0 8	17 52	0 37	10 18	2 19	1 14	0 43	9 3	1 55	30 47	14 20	23 10	23 5	20 30		n.a.
T 21	23 34	22 12	1 26	19 3	2 2	22 37	0 3	17 14	0 8	17 55	0 37	10 18	2 19	1 14	0 43	9 3	1 55	30 47	14 20	23 10	23 5	20 29		n.a.
W22	23 36	19 44	2 40	19 30	1 49	22 49	0 6	17 26	0 7	17 59	0 37	10 19	2 19	1 14	0 43	9 4	1 55	30 48	14 21	23 9	23 5	20 28		n.a.
T 23	23 39	16 2	3 44	19 57	1 35	23 0	0 8	17 37	0 6	18 2	0 37	10 19	2 20	1 13	0 43	9 4	1 55	30 48	14 21	23 9	23 5	20 27		n.a.
F 24	23 41	11 27	4 32	20 25	1 21	23 11	0 10	17 49	0 6	18 5	0 37	10 19	2 20	1 13	0 43	9 5	1 55	30 49	14 21	23 9	23 6	20 26		n.a.
S 25	23 42	6 21	5 3	20 53	1 8	23 21	0 13	18 1	0 5	18 9	0 37	10 19	2 20	1 13	0 43	9 5	1 55	30 49	14 21	23 9	23 6	20 25		n.a.
S 26	23 44	1 3	5 16	21 20	0 54	23 30	0 15	18 12	0 4	18 12	0 37	10 19	2 20	1 12	0 43	9 6	1 55	30 50	14 22	23 9	23 6	20 24		n.a.
M27	23 44	4n12	5 11	21 47	0 41	23 38	0 18	18 23	0 4	18 15	0 37	10 19	2 21	1 12	0 43	9 6	1 55	30 50	14 22	23 9	23 7	20 23		n.a.
T 28	23 45	9 9	4 50	22 13	0 27	23 46	0 20	18 34	0 3	18 18	0 37	10 20	2 21	1 12	0 43	9 6	1 55	30 51	14 22	23 9	23 7	20 22		n.a.
W29	23 45	13 36	4 15	22 38	0 14	23 53	0 22	18 45	0 2	18 21	0 37	10 20	2 21	1 12	0 43	9 7	1 55	30 51	14 22	23 10	23 7	20 21		n.a.
T 30	23n44	17n22	3s27	23n 2	0s 2	23n59	0n25	18n56	0s 2	18n24	0s36	10s20	2s22	1s12	0s43	9n 7	1s56	30s52	14s23	23n10	23n 8	20n20		n.a.

Julian Day Number = 1568169.5, Delta T = 04h19m32s
Ecliptic obliquity = 23°44'43, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°52'00, Lahiri = - 9°45'00 Julian Calendar 1 June 420 BCE == Greg. Calendar 27 May 420 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

JULY 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 14 36	2♋35'58	14♊ 3	18♊25	24♊42	24♉26	24♉ 8	9°R22	28♓40	28♈ 4	12°R54	12°R21	12♋41	9♌38	n.a.	F 1
S 2	18 18 33	3°33'23	26°18	20°17	25°56	25° 5	24°20	9♓21	28°40	28° 5	12♒53	12♋20	12°37	9°45	n.a.	S 2
S 3	18 22 29	4°30'49	8♋23	22°12	27°10	25°45	24°32	9°21	28°41	28° 6	12°52	12°D20	12°34	9°51	n.a.	S 3
M 4	18 26 26	5°28'17	20°21	24° 9	28°24	26°24	24°44	9°20	28°41	28° 8	12°51	12°20	12°31	9°58	n.a.	M 4
T 5	18 30 22	6°25'45	2♌12	26° 8	29°38	27° 4	24°56	9°19	28°41	28° 9	12°50	12°20	12°28	10° 5	n.a.	T 5
W 6	18 34 19	7°23'15	14° 1	28° 9	0♋52	27°43	25° 8	9°18	28°42	28°10	12°49	12°21	12°25	10°11	n.a.	W 6
T 7	18 38 15	8°20'45	25°49	0♋11	2° 6	28°22	25°20	9°17	28°42	28°11	12°48	12°21	12°22	10°18	n.a.	T 7
F 8	18 42 12	9°18'17	7♍40	2°13	3°20	29° 2	25°31	9°16	28°42	28°12	12°47	12°21	12°18	10°25	n.a.	F 8
S 9	18 46 8	10°15'49	19°38	4°16	4°34	29°41	25°43	9°15	28°42	28°13	12°46	12°22	12°15	10°31	n.a.	S 9
S 10	18 50 5	11°13'23	1♎48	6°20	5°48	0♊20	25°55	9°14	28°R42	28°14	12°45	12°22	12°12	10°38	n.a.	S 10
M11	18 54 2	12°10'58	14°13	8°23	7° 2	0°59	26° 6	9°12	28°42	28°15	12°44	12°22	12° 9	10°45	n.a.	M11
T 12	18 57 58	13° 8'33	26°57	10°26	8°16	1°38	26°17	9°11	28°42	28°15	12°43	12°22	12° 6	10°51	n.a.	T 12
W13	19 1 55	14° 6'10	10♏ 6	12°29	9°30	2°17	26°29	9° 9	28°42	28°16	12°42	12°22	12° 3	10°58	n.a.	W13
T 14	19 5 51	15° 3'48	23°40	14°31	10°44	2°56	26°40	9° 7	28°42	28°17	12°41	12°22	11°59	11° 5	n.a.	T 14
F 15	19 9 48	16° 1'27	7♐41	16°32	11°58	3°34	26°51	9° 6	28°41	28°18	12°40	12°22	11°56	11°11	n.a.	F 15
S 16	19 13 44	16°59'08	22° 6	18°32	13°13	4°13	27° 2	9° 4	28°41	28°19	12°39	12°23	11°53	11°18	n.a.	S 16
S 17	19 17 41	17°56'50	6♑54	20°31	14°27	4°52	27°13	9° 2	28°41	28°19	12°38	12°R23	11°50	11°25	n.a.	S 17
M18	19 21 37	18°54'33	21°55	22°29	15°41	5°30	27°24	9° 0	28°40	28°20	12°36	12°23	11°47	11°31	n.a.	M18
T 19	19 25 34	19°52'18	7♒ 3	24°26	16°55	6° 9	27°35	8°57	28°40	28°21	12°35	12°23	11°43	11°38	n.a.	T 19
W20	19 29 31	20°50'04	22° 8	26°21	18°10	6°47	27°45	8°55	28°39	28°21	12°34	12°22	11°40	11°45	n.a.	W20
T 21	19 33 27	21°47'53	7♓ 1	28°16	19°24	7°26	27°56	8°53	28°39	28°22	12°33	12°21	11°37	11°51	n.a.	T 21
F 22	19 37 24	22°45'42	21°36	0♌ 8	20°38	8° 4	28° 6	8°50	28°38	28°22	12°32	12°20	11°34	11°58	n.a.	F 22
S 23	19 41 20	23°43'34	5♈48	2° 0	21°53	8°42	28°17	8°48	28°38	28°23	12°31	12°19	11°31	12° 5	n.a.	S 23
S 24	19 45 17	24°41'28	19°35	3°50	23° 7	9°20	28°27	8°45	28°37	28°23	12°30	12°D18	11°28	12°11	n.a.	S 24
M25	19 49 13	25°39'24	2♉59	5°39	24°21	9°59	28°37	8°42	28°36	28°24	12°28	12°18	11°24	12°18	n.a.	M25
T 26	19 53 10	26°37'21	15°59	7°27	25°36	10°37	28°47	8°40	28°36	28°24	12°27	12°19	11°21	12°25	n.a.	T 26
W27	19 57 6	27°35'21	28°41	9°13	26°50	11°15	28°57	8°37	28°35	28°25	12°26	12°20	11°18	12°31	n.a.	W27
T 28	20 1 3	28°33'23	11♊ 6	10°58	28° 5	11°53	29° 7	8°34	28°34	28°25	12°25	12°21	11°15	12°38	n.a.	T 28
F 29	20 5 0	29°31'26	23°18	12°42	29°19	12°31	29°17	8°31	28°33	28°25	12°24	12°23	11°12	12°45	n.a.	F 29
S 30	20 8 56	0♌29'32	5♋21	14°25	0♌34	13° 8	29°27	8°28	28°32	28°26	12°22	12°24	11° 9	12°51	n.a.	S 30
S 31	20 12 53	1♌27'40	17♋16	16♌ 6	1♌48	13♊46	29♉36	8♓24	28♓31	28♈26	12♒21	12°R24	11♋ 5	12♌58	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n43	20n17	2s31	23n24	0n10	24n 5	0n27	19n 6	0s 1	18n27	0s36	10s21	2s22	1s12	0s43	9n 8	1s56	30s52	14s23	23n10	23n 8	20n19		n.a.
S 2	23 42	22 14	1 28	23 45	0 22	24 10	0 29	19 17	0 0	18 31	0 36	10 21	2 22	1 11	0 43	9 8	1 56	30 53	14 23	23 10	23 8	20 18		n.a.
S 3	23 40	23 7	0 22	24 3	0 32	24 14	0 31	19 27	0n 1	18 34	0 36	10 22	2 23	1 11	0 43	9 8	1 56	30 53	14 23	23 10	23 9	20 17		n.a.
M 4	23 38	22 55	0n44	24 20	0 43	24 18	0 33	19 37	0 1	18 37	0 36	10 22	2 23	1 11	0 43	9 9	1 56	30 54	14 24	23 10	23 9	20 16		n.a.
T 5	23 35	21 41	1 48	24 34	0 52	24 20	0 36	19 47	0 2	18 39	0 36	10 23	2 23	1 11	0 43	9 9	1 56	30 54	14 24	23 10	23 9	20 15		n.a.
W 6	23 32	19 30	2 47	24 45	1 1	24 22	0 38	19 57	0 3	18 42	0 36	10 23	2 23	1 11	0 43	9 9	1 56	30 55	14 24	23 10	23 9	20 14		n.a.
T 7	23 29	16 30	3 39	24 54	1 9	24 24	0 40	20 6	0 3	18 45	0 36	10 24	2 24	1 11	0 43	9 10	1 56	30 55	14 24	23 10	23 10	20 12		n.a.
F 8	23 25	12 50	4 21	25 0	1 16	24 24	0 42	20 16	0 4	18 48	0 36	10 25	2 24	1 11	0 43	9 10	1 56	30 56	14 25	23 10	23 10	20 11		n.a.
S 9	23 21	8 38	4 53	25 3	1 23	24 24	0 44	20 25	0 5	18 51	0 36	10 25	2 24	1 11	0 43	9 10	1 56	30 57	14 25	23 10	23 10	20 10		n.a.
S 10	23 16	4 3	5 12	25 4	1 29	24 23	0 46	20 34	0 6	18 54	0 36	10 26	2 24	1 11	0 43	9 10	1 56	30 57	14 25	23 10	23 11	20 9		n.a.
M11	23 11	0s48	5 18	25 2	1 34	24 21	0 48	20 43	0 6	18 56	0 36	10 27	2 25	1 11	0 43	9 11	1 56	30 58	14 25	23 10	23 11	20 8		n.a.
T 12	23 5	5 45	5 8	24 57	1 38	24 19	0 50	20 52	0 7	18 59	0 36	10 28	2 25	1 11	0 43	9 11	1 56	30 58	14 26	23 10	23 11	20 7		n.a.
W13	22 59	10 35	4 41	24 50	1 41	24 16	0 52	21 1	0 8	19 2	0 36	10 29	2 25	1 11	0 43	9 11	1 56	30 59	14 26	23 10	23 12	20 6		n.a.
T 14	22 53	15 4	3 59	24 40	1 44	24 12	0 54	21 9	0 9	19 5	0 36	10 30	2 26	1 11	0 43	9 11	1 56	30 59	14 26	23 10	23 12	20 5		n.a.
F 15	22 46	18 53	3 1	24 27	1 46	24 7	0 55	21 17	0 9	19 7	0 36	10 31	2 26	1 11	0 43	9 12	1 56	31 0	14 26	23 10	23 12	20 3		n.a.
S 16	22 39	21 40	1 50	24 13	1 47	24 2	0 57	21 25	0 10	19 10	0 36	10 31	2 26	1 12	0 43	9 12	1 56	31 0	14 26	23 10	23 12	20 2		n.a.
S 17	22 31	23 3	0 30	23 56	1 48	23 56	0 59	21 33	0 11	19 12	0 36	10 32	2 26	1 12	0 43	9 12	1 57	31 1	14 26	23 10	23 13	20 1		n.a.
M18	22 24	22 48	0s53	23 37	1 47	23 49	1 1	21 41	0 12	19 15	0 36	10 34	2 27	1 12	0 43	9 12	1 57	31 1	14 27	23 10	23 13	20 0		n.a.
T 19	22 15	20 53	2 13	23 15	1 47	23 41	1 2	21 49	0 12	19 17	0 36	10 35	2 27	1 12	0 44	9 12	1 57	31 2	14 27	23 10	23 13	19 59		n.a.
W20	22 6	17 30	3 23	22 53	1 46	23 33	1 4	21 56	0 13	19 20	0 36	10 36	2 27	1 12	0 44	9 13	1 57	31 2	14 27	23 10	23 14	19 58		n.a.
T 21	21 57	13 3	4 19	22 28	1 44	23 24	1 5	22 3	0 14	19 22	0 36	10 37	2 27	1 13	0 44	9 13	1 57	31 3	14 27	23 10	23 14	19 57		n.a.
F 22	21 48	7 54	4 57	22 2	1 42	23 14	1 7	22 10	0 15	19 25	0 36	10 38	2 28	1 13	0 44	9 13	1 57	31 3	14 27	23 10	23 14	19 55		n.a.
S 23	21 38	2 29	5 15	21 34	1 39	23 4	1 8	22 17	0 15	19 27	0 36	10 39	2 28	1 13	0 44	9 13	1 57	31 4	14 27	23 10	23 14	19 54		n.a.
S 24	21 28	2n55	5 14	21 5	1 36	22 53	1 9	22 24	0 16	19 29	0 36	10 40	2 28	1 13	0 44	9 13	1 57	31 4	14 28	23 10	23 15	19 53		n.a.
M25	21 17	8 1	4 57	20 35	1 32	22 41	1 11	22 30	0 17	19 32	0 36	10 42	2 28	1 14	0 44	9 13	1 57	31 5	14 28	23 10	23 15	19 52		n.a.
T 26	21 6	12 37	4 24	20 3	1 28	22 28	1 12	22 37	0 18	19 34	0 36	10 43	2 29	1 14	0 44	9 13	1 57	31 5	14 28	23 10	23 15	19 51		n.a.
W27	20 55	16 34	3 39	19 31	1 23	22 15	1 13	22 43	0 18	19 36	0 36	10 44	2 29	1 14	0 44	9 13	1 57	31 6	14 28	23 10	23 15	19 49		n.a.
T 28	20 43	19 41	2 45	18 57	1 19	22 1	1 14	22 49	0 19	19 38	0 36	10 46	2 29	1 15	0 44	9 14	1 57	31 6	14 28	23 10	23 16	19 48		n.a.
F 29	20 31	21 51	1 44	18 23	1 13	21 47	1 16	22 55	0 20	19 40	0 36	10 47	2 29	1 15	0 44	9 14	1 57	31 7	14 28	23 10	23 16	19 47		n.a.
S 30	20 18	22 59	0 39	17 48	1 8	21 32	1 17	23 0	0 21	19 43	0 36	10 48	2 30	1 15	0 44	9 14	1 57	31 7	14 28	23 10	23 16	19 46		n.a.
S 31	20n 5	23n 4	0n27	17n12	1n 2	21n16	1n18	23n 6	0n21	19n45	0s36	10s50	2s30	1s16	0s44	9n14	1s57	31s 8	14s28	23n10	23n17	19n45		n.a.

Julian Day Number = 1568199.5, Delta T = 04h19m30s
Ecliptic obliquity = 23°44'43, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'56, Lahiri = - 9°44'56 Julian Calendar 1 July 420 BCE == Greg. Calendar 26 June 420 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

AUGUST 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 16 49	2♌25'49	29♋ 7	17♌46	3♌ 3	14♊24	29♉46	8°R21	28°R30	28♈26	12°R20	12°R23	11♋ 2	13♌ 5	n.a.	M 1
T 2	20 20 46	3°24'00	10♌56	19°25	4°18	15° 1	29°55	8♓18	28♓29	28°26	12♒19	12♋21	10°59	13°11	n.a.	T 2
W 3	20 24 42	4°22'13	22°44	21° 2	5°32	15°39	0♊ 4	8°14	28°28	28°26	12°17	12°18	10°56	13°18	n.a.	W 3
T 4	20 28 39	5°20'28	4♍34	22°38	6°47	16°16	0°13	8°11	28°27	28°27	12°16	12°14	10°53	13°25	n.a.	T 4
F 5	20 32 35	6°18'44	16°29	24°14	8° 1	16°54	0°22	8° 7	28°26	28°27	12°15	12°10	10°49	13°31	n.a.	F 5
S 6	20 36 32	7°17'03	28°30	25°47	9°16	17°31	0°31	8° 3	28°24	28°27	12°14	12° 6	10°46	13°38	n.a.	S 6
S 7	20 40 29	8°15'22	10♎41	27°20	10°31	18° 8	0°40	8° 0	28°23	28°R27	12°12	12° 3	10°43	13°45	n.a.	S 7
M 8	20 44 25	9°13'44	23° 6	28°52	11°45	18°46	0°49	7°56	28°22	28°27	12°11	12° 1	10°40	13°51	n.a.	M 8
T 9	20 48 22	10°12'07	5♏47	0♍22	13° 0	19°23	0°57	7°52	28°20	28°27	12°10	12°D 0	10°37	13°58	n.a.	T 9
W10	20 52 18	11°10'32	18°49	1°51	14°15	20° 0	1° 5	7°48	28°19	28°27	12° 9	12° 0	10°34	14° 5	n.a.	W10
T 11	20 56 15	12° 8'59	2♐14	3°19	15°30	20°37	1°14	7°44	28°17	28°26	12° 7	12° 1	10°30	14°11	n.a.	T 11
F 12	21 0 11	13° 7'28	16° 5	4°46	16°44	21°14	1°22	7°40	28°16	28°26	12° 6	12° 2	10°27	14°18	n.a.	F 12
S 13	21 4 8	14° 5'58	0♑23	6°12	17°59	21°50	1°30	7°36	28°14	28°26	12° 5	12° 4	10°24	14°25	n.a.	S 13
S 14	21 8 4	15° 4'30	15° 5	7°36	19°14	22°27	1°38	7°32	28°13	28°26	12° 4	12°R 4	10°21	14°31	n.a.	S 14
M15	21 12 1	16° 3'04	0♒ 7	8°59	20°29	23° 4	1°45	7°27	28°11	28°26	12° 3	12° 3	10°18	14°38	n.a.	M15
T 16	21 15 57	17° 1'40	15°20	10°21	21°43	23°40	1°53	7°23	28°10	28°25	12° 1	12° 0	10°15	14°45	n.a.	T 16
W17	21 19 54	18° 0'18	0♓36	11°41	22°58	24°17	2° 0	7°19	28° 8	28°25	12° 0	11°56	10°11	14°51	n.a.	W17
T 18	21 23 51	18°58'58	15°44	13° 0	24°13	24°53	2° 8	7°14	28° 6	28°25	11°59	11°51	10° 8	14°58	n.a.	T 18
F 19	21 27 47	19°57'40	0♈33	14°18	25°28	25°30	2°15	7°10	28° 4	28°24	11°58	11°45	10° 5	15° 5	n.a.	F 19
S 20	21 31 44	20°56'24	14°58	15°34	26°43	26° 6	2°22	7° 6	28° 3	28°24	11°56	11°40	10° 2	15°11	n.a.	S 20
S 21	21 35 40	21°55'11	28°55	16°48	27°57	26°42	2°28	7° 1	28° 1	28°24	11°55	11°36	9°59	15°18	n.a.	S 21
M22	21 39 37	22°54'00	12♉23	18° 1	29°12	27°18	2°35	6°57	27°59	28°23	11°54	11°34	9°55	15°25	n.a.	M22
T 23	21 43 33	23°52'52	25°24	19°13	0♍27	27°55	2°42	6°52	27°57	28°23	11°53	11°D33	9°52	15°31	n.a.	T 23
W24	21 47 30	24°51'46	8♊ 1	20°22	1°42	28°31	2°48	6°47	27°55	28°22	11°51	11°34	9°49	15°38	n.a.	W24
T 25	21 51 26	25°50'43	20°20	21°29	2°57	29° 6	2°54	6°43	27°53	28°22	11°50	11°36	9°46	15°45	n.a.	T 25
F 26	21 55 23	26°49'42	2♋25	22°35	4°12	29°42	3° 0	6°38	27°51	28°21	11°49	11°37	9°43	15°51	n.a.	F 26
S 27	21 59 20	27°48'43	14°20	23°38	5°27	0♋18	3° 6	6°33	27°49	28°20	11°48	11°R37	9°40	15°58	n.a.	S 27
S 28	22 3 16	28°47'46	26°10	24°39	6°42	0°54	3°12	6°29	27°47	28°20	11°47	11°36	9°36	16° 5	n.a.	S 28
M29	22 7 13	29°46'52	7♌58	25°37	7°57	1°29	3°18	6°24	27°45	28°19	11°45	11°32	9°33	16°11	n.a.	M29
T 30	22 11 9	0♍46'00	19°46	26°32	9°11	2° 5	3°23	6°19	27°43	28°18	11°44	11°27	9°30	16°18	n.a.	T 30
W31	22 15 6	1♍45'11	1♍37	27♍24	10♍26	2♋40	3♊28	6♓15	27♓41	28♈17	11♒43	11♋19	9♋27	16♌25	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	19n52	22n 5	1n31	16n36	0n56	21n 0	1n18	23n11	0n22	19n47	0s36	10s51	2s30	1s16	0s44	9n14	1s57	31s 8	14s29	23n10	23n17	19n43			n.a.
T 2	19 39	20 8	2 31	15 59	0 50	20 43	1 19	23 16	0 23	19 49	0 36	10 53	2 30	1 17	0 44	9 14	1 58	31 8	14 29	23 10	23 17	19 42			n.a.
W 3	19 25	17 19	3 24	15 21	0 44	20 25	1 20	23 21	0 24	19 51	0 36	10 54	2 30	1 17	0 44	9 14	1 58	31 9	14 29	23 10	23 17	19 41			n.a.
T 4	19 11	13 49	4 9	14 43	0 37	20 7	1 21	23 26	0 25	19 53	0 36	10 56	2 31	1 18	0 44	9 14	1 58	31 9	14 29	23 10	23 18	19 40			n.a.
F 5	18 56	9 44	4 43	14 5	0 30	19 48	1 21	23 31	0 25	19 55	0 36	10 57	2 31	1 18	0 44	9 14	1 58	31 10	14 29	23 11	23 18	19 38			n.a.
S 6	18 41	5 15	5 5	13 27	0 23	19 29	1 22	23 35	0 26	19 57	0 36	10 59	2 31	1 19	0 44	9 14	1 58	31 10	14 29	23 11	23 18	19 37			n.a.
S 7	18 26	0 31	5 14	12 48	0 16	19 9	1 23	23 39	0 27	19 58	0 36	11 1	2 31	1 19	0 44	9 14	1 58	31 11	14 29	23 11	23 18	19 36			n.a.
M 8	18 11	4s20	5 8	12 9	0 8	18 49	1 23	23 43	0 28	20 0	0 35	11 2	2 31	1 20	0 44	9 13	1 58	31 11	14 29	23 12	23 19	19 35			n.a.
T 9	17 55	9 6	4 47	11 30	0 1	18 28	1 24	23 47	0 29	20 2	0 35	11 4	2 32	1 20	0 44	9 13	1 58	31 12	14 29	23 12	23 19	19 33			n.a.
W10	17 39	13 37	4 11	10 50	0s 7	18 6	1 24	23 51	0 29	20 4	0 35	11 6	2 32	1 21	0 44	9 13	1 58	31 12	14 29	23 12	23 19	19 32			n.a.
T 11	17 22	17 35	3 21	10 11	0 15	17 44	1 24	23 55	0 30	20 5	0 35	11 7	2 32	1 22	0 44	9 13	1 58	31 12	14 29	23 12	23 19	19 31			n.a.
F 12	17 5	20 44	2 18	9 32	0 23	17 22	1 24	23 58	0 31	20 7	0 35	11 9	2 32	1 22	0 44	9 13	1 58	31 13	14 29	23 12	23 20	19 30			n.a.
S 13	16 49	22 41	1 4	8 53	0 31	16 59	1 25	24 1	0 32	20 9	0 35	11 11	2 32	1 23	0 44	9 13	1 58	31 13	14 29	23 11	23 20	19 28			n.a.
S 14	16 31	23 9	0s16	8 14	0 39	16 35	1 25	24 4	0 33	20 10	0 35	11 12	2 32	1 24	0 44	9 13	1 58	31 14	14 29	23 11	23 20	19 27			n.a.
M15	16 14	21 58	1 37	7 35	0 47	16 11	1 25	24 7	0 34	20 12	0 35	11 14	2 33	1 24	0 44	9 13	1 58	31 14	14 29	23 11	23 20	19 26			n.a.
T 16	15 56	19 10	2 52	6 56	0 55	15 47	1 25	24 10	0 34	20 13	0 35	11 16	2 33	1 25	0 44	9 13	1 58	31 14	14 29	23 12	23 21	19 24			n.a.
W17	15 38	15 2	3 54	6 18	1 3	15 22	1 25	24 12	0 35	20 15	0 35	11 18	2 33	1 26	0 44	9 12	1 58	31 15	14 29	23 12	23 21	19 23			n.a.
T 18	15 19	9 59	4 39	5 40	1 11	14 57	1 24	24 15	0 36	20 16	0 35	11 19	2 33	1 26	0 44	9 12	1 59	31 15	14 29	23 13	23 21	19 22			n.a.
F 19	15 1	4 26	5 5	5 2	1 19	14 31	1 24	24 17	0 37	20 18	0 35	11 21	2 33	1 27	0 44	9 12	1 59	31 15	14 29	23 13	23 21	19 20			n.a.
S 20	14 42	1n13	5 10	4 25	1 28	14 5	1 24	24 19	0 38	20 19	0 35	11 23	2 33	1 28	0 44	9 12	1 59	31 16	14 29	23 14	23 22	19 19			n.a.
S 21	14 23	6 36	4 57	3 48	1 36	13 38	1 24	24 21	0 39	20 21	0 35	11 25	2 33	1 29	0 44	9 12	1 59	31 16	14 29	23 14	23 22	19 18			n.a.
M22	14 3	11 31	4 27	3 12	1 44	13 12	1 23	24 23	0 39	20 22	0 35	11 27	2 34	1 29	0 44	9 11	1 59	31 17	14 29	23 14	23 22	19 16			n.a.
T 23	13 44	15 43	3 45	2 37	1 52	12 44	1 23	24 24	0 40	20 23	0 35	11 28	2 34	1 30	0 44	9 11	1 59	31 17	14 29	23 14	23 22	19 15			n.a.
W24	13 24	19 6	2 52	2 2	2 0	12 17	1 22	24 25	0 41	20 25	0 35	11 30	2 34	1 31	0 44	9 11	1 59	31 17	14 29	23 14	23 23	19 14			n.a.
T 25	13 4	21 31	1 53	1 28	2 8	11 49	1 21	24 27	0 42	20 26	0 35	11 32	2 34	1 32	0 44	9 11	1 59	31 17	14 29	23 14	23 23	19 12			n.a.
F 26	12 44	22 54	0 50	0 55	2 15	11 21	1 21	24 28	0 43	20 27	0 35	11 34	2 34	1 33	0 44	9 10	1 59	31 18	14 29	23 14	23 23	19 11			n.a.
S 27	12 23	23 12	0n15	0 23	2 23	10 52	1 20	24 29	0 44	20 28	0 35	11 36	2 34	1 33	0 44	9 10	1 59	31 18	14 29	23 14	23 23	19 10			n.a.
S 28	12 2	22 28	1 18	0s 8	2 30	10 24	1 19	24 29	0 45	20 29	0 35	11 38	2 34	1 34	0 44	9 10	1 59	31 18	14 29	23 14	23 24	19 8			n.a.
M29	11 42	20 43	2 17	0 38	2 37	9 54	1 18	24 30	0 46	20 30	0 35	11 40	2 34	1 35	0 44	9 9	1 59	31 19	14 29	23 14	23 24	19 7			n.a.
T 30	11 20	18 5	3 11	1 7	2 44	9 25	1 17	24 30	0 46	20 31	0 35	11 41	2 34	1 36	0 45	9 9	1 59	31 19	14 29	23 15	23 24	19 6			n.a.
W31	10n59	14n42	3n56	1s34	2s51	8n56	1n16	24n30	0n47	20n32	0s35	11s43	2s34	1s37	0s45	9n 9	1s59	31s19	14s29	23n15	23n24	19n 4			n.a.

Julian Day Number = 1568230.5, Delta T = 04h19m29s
Ecliptic obliquity = 23°44'44, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'52, Lahiri = - 9°44'52 Julian Calendar 1 Aug. 420 BCE == Greg. Calendar 27 July 420 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

SEPTEMBER 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 19 2	2♍44'23	13♍34	28♍13	11♍41	3♋15	3♊33	6°R10	27°R39	28°R17	11°R42	11°R 9	9♋24	16♌31	n.a.	T 1
F 2	22 22 59	3°43'37	25°36	28°59	12°56	3°51	3°38	6♓ 5	27♓37	28♈16	11♒41	10♋59	9°21	16°38	n.a.	F 2
S 3	22 26 55	4°42'54	7♎46	29°41	14°11	4°26	3°43	6° 0	27°34	28°15	11°40	10°49	9°17	16°45	n.a.	S 3
S 4	22 30 52	5°42'12	20° 5	0♎18	15°26	5° 1	3°48	5°56	27°32	28°14	11°39	10°40	9°14	16°51	n.a.	S 4
M 5	22 34 48	6°41'33	2♏35	0°50	16°41	5°36	3°52	5°51	27°30	28°13	11°37	10°33	9°11	16°58	n.a.	M 5
T 6	22 38 45	7°40'55	15°19	1°18	17°56	6°11	3°56	5°46	27°28	28°12	11°36	10°28	9° 8	17° 5	n.a.	T 6
W 7	22 42 42	8°40'20	28°18	1°40	19°11	6°45	4° 0	5°41	27°25	28°11	11°35	10°26	9° 5	17°11	n.a.	W 7
T 8	22 46 38	9°39'46	11♐37	1°56	20°26	7°20	4° 4	5°36	27°23	28°10	11°34	10°D25	9° 1	17°18	n.a.	T 8
F 9	22 50 35	10°39'14	25°17	2° 6	21°41	7°54	4° 8	5°32	27°21	28° 9	11°33	10°26	8°58	17°25	n.a.	F 9
S 10	22 54 31	11°38'44	9♑20	2°R 8	22°56	8°29	4°11	5°27	27°18	28° 8	11°32	10°R26	8°55	17°31	n.a.	S 10
S 11	22 58 28	12°38'16	23°46	2° 3	24°11	9° 3	4°15	5°22	27°16	28° 7	11°31	10°25	8°52	17°38	n.a.	S 11
M12	23 2 24	13°37'50	8♒33	1°51	25°26	9°37	4°18	5°18	27°14	28° 6	11°30	10°23	8°49	17°45	n.a.	M12
T 13	23 6 21	14°37'26	23°36	1°30	26°41	10°12	4°21	5°13	27°11	28° 5	11°29	10°17	8°46	17°52	n.a.	T 13
W14	23 10 17	15°37'03	8♓46	1° 0	27°56	10°46	4°24	5° 8	27° 9	28° 4	11°28	10° 9	8°42	17°58	n.a.	W14
T 15	23 14 14	16°36'43	23°52	0°22	29°11	11°20	4°26	5° 4	27° 7	28° 3	11°27	10° 0	8°39	18° 5	n.a.	T 15
F 16	23 18 11	17°36'25	8♈46	29♍35	0♎26	11°53	4°29	4°59	27° 4	28° 2	11°26	9°49	8°36	18°12	n.a.	F 16
S 17	23 22 7	18°36'09	23°18	28°41	1°41	12°27	4°31	4°54	27° 2	28° 0	11°25	9°39	8°33	18°18	n.a.	S 17
S 18	23 26 4	19°35'55	7♉22	27°39	2°56	13° 1	4°33	4°50	26°59	27°59	11°24	9°31	8°30	18°25	n.a.	S 18
M19	23 30 0	20°35'44	20°57	26°32	4°11	13°34	4°35	4°45	26°57	27°58	11°23	9°25	8°26	18°32	n.a.	M19
T 20	23 33 57	21°35'35	4♊ 3	25°19	5°26	14° 8	4°36	4°41	26°54	27°57	11°22	9°22	8°23	18°38	n.a.	T 20
W21	23 37 53	22°35'28	16°43	24° 4	6°41	14°41	4°38	4°36	26°52	27°55	11°21	9°20	8°20	18°45	n.a.	W21
T 22	23 41 50	23°35'24	29° 2	22°49	7°56	15°14	4°39	4°32	26°50	27°54	11°20	9°D20	8°17	18°52	n.a.	T 22
F 23	23 45 46	24°35'22	11♋ 6	21°35	9°11	15°47	4°40	4°28	26°47	27°53	11°20	9°R20	8°14	18°58	n.a.	F 23
S 24	23 49 43	25°35'22	22°59	20°25	10°26	16°20	4°41	4°23	26°45	27°51	11°19	9°20	8°11	19° 5	n.a.	S 24
S 25	23 53 39	26°35'25	4♌47	19°21	11°40	16°53	4°41	4°19	26°42	27°50	11°18	9°17	8° 7	19°12	n.a.	S 25
M26	23 57 36	27°35'30	16°35	18°25	12°55	17°26	4°42	4°15	26°40	27°48	11°17	9°12	8° 4	19°18	n.a.	M26
T 27	0 1 33	28°35'37	28°25	17°38	14°10	17°58	4°42	4°11	26°37	27°47	11°16	9° 3	8° 1	19°25	n.a.	T 27
W28	0 5 29	29°35'46	10♍22	17° 3	15°25	18°30	4°R42	4° 7	26°35	27°46	11°16	8°52	7°58	19°32	n.a.	W28
T 29	0 9 26	0♎35'57	22°27	16°38	16°40	19° 3	4°42	4° 3	26°32	27°44	11°15	8°39	7°55	19°38	n.a.	T 29
F 30	0 13 22	1♎36'10	4♎41	16♍25	17♎55	19♋35	4♊41	3♓59	26♓30	27♈43	11♒14	8♋25	7♋52	19♌45	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n38	10n42	4n31	1s59	2s57	8n26	1n15	24n31	0n48	20n33	0s35	11s45	2s34	1s38	0s45	9n 9	1s59	31s19	14s28	23n16	23n24	19n 3		n.a.
F 2	10 16	6 16	4 55	2 23	3 3	7 56	1 14	24 31	0 49	20 34	0 35	11 47	2 34	1 39	0 45	9 8	1 59	31 20	14 28	23 17	23 25	19 1		n.a.
S 3	9 54	1 32	5 5	2 45	3 9	7 25	1 13	24 30	0 50	20 35	0 35	11 49	2 35	1 39	0 45	9 8	1 59	31 20	14 28	23 18	23 25	19 0		n.a.
S 4	9 32	3s18	5 1	3 4	3 14	6 55	1 12	24 30	0 51	20 36	0 35	11 51	2 35	1 40	0 45	9 7	2 0	31 20	14 28	23 19	23 25	18 59		n.a.
M 5	9 10	8 6	4 43	3 21	3 18	6 24	1 11	24 29	0 52	20 37	0 35	11 52	2 35	1 41	0 45	9 7	2 0	31 20	14 28	23 19	23 25	18 57		n.a.
T 6	8 48	12 38	4 11	3 36	3 22	5 53	1 9	24 29	0 53	20 38	0 35	11 54	2 35	1 42	0 45	9 7	2 0	31 21	14 28	23 20	23 26	18 56		n.a.
W 7	8 25	16 42	3 26	3 48	3 25	5 22	1 8	24 28	0 54	20 39	0 35	11 56	2 35	1 43	0 45	9 6	2 0	31 21	14 28	23 20	23 26	18 54		n.a.
T 8	8 3	20 2	2 28	3 56	3 27	4 51	1 7	24 27	0 55	20 39	0 35	11 58	2 35	1 44	0 45	9 6	2 0	31 21	14 28	23 20	23 26	18 53		n.a.
F 9	7 40	22 20	1 20	4 1	3 28	4 20	1 5	24 26	0 56	20 40	0 35	12 0	2 35	1 45	0 45	9 6	2 0	31 21	14 27	23 20	23 26	18 52		n.a.
S 10	7 17	23 19	0 6	4 2	3 28	3 49	1 3	24 25	0 57	20 41	0 35	12 1	2 35	1 46	0 45	9 5	2 0	31 21	14 27	23 20	23 26	18 50		n.a.
S 11	6 54	22 47	1s11	3 59	3 27	3 17	1 2	24 23	0 58	20 41	0 35	12 3	2 35	1 47	0 45	9 5	2 0	31 22	14 27	23 20	23 27	18 49		n.a.
M12	6 31	20 40	2 24	3 51	3 24	2 45	1 0	24 22	0 59	20 42	0 35	12 5	2 35	1 48	0 45	9 4	2 0	31 22	14 27	23 20	23 27	18 47		n.a.
T 13	6 8	17 6	3 29	3 39	3 20	2 14	0 58	24 20	0 59	20 43	0 35	12 7	2 35	1 49	0 45	9 4	2 0	31 22	14 27	23 20	23 27	18 46		n.a.
W14	5 44	12 23	4 19	3 22	3 14	1 42	0 57	24 18	1 0	20 43	0 35	12 8	2 35	1 50	0 45	9 3	2 0	31 22	14 27	23 21	23 27	18 44		n.a.
T 15	5 21	6 54	4 51	3 0	3 7	1 10	0 55	24 17	1 1	20 44	0 35	12 10	2 35	1 51	0 45	9 3	2 0	31 22	14 27	23 22	23 28	18 43		n.a.
F 16	4 57	1 7	5 3	2 33	2 58	0 38	0 53	24 15	1 2	20 44	0 35	12 12	2 35	1 52	0 45	9 2	2 0	31 22	14 26	23 23	23 28	18 41		n.a.
S 17	4 34	4n37	4 54	2 1	2 47	0 6	0 51	24 12	1 3	20 44	0 35	12 14	2 35	1 53	0 45	9 2	2 0	31 22	14 26	23 23	23 28	18 40		n.a.
S 18	4 10	9 55	4 28	1 24	2 33	0s26	0 49	24 10	1 4	20 45	0 35	12 15	2 35	1 54	0 45	9 1	2 0	31 23	14 26	23 24	23 28	18 38		n.a.
M19	3 46	14 34	3 47	0 43	2 18	0 58	0 47	24 8	1 5	20 45	0 35	12 17	2 35	1 55	0 45	9 1	2 0	31 23	14 26	23 24	23 28	18 37		n.a.
T 20	3 23	18 21	2 56	0n 2	2 2	1 30	0 45	24 5	1 6	20 45	0 35	12 18	2 35	1 56	0 45	9 0	2 0	31 23	14 26	23 25	23 29	18 35		n.a.
W21	2 59	21 8	1 57	0 48	1 43	2 1	0 43	24 3	1 7	20 46	0 35	12 20	2 34	1 57	0 45	9 0	2 0	31 23	14 25	23 25	23 29	18 34		n.a.
T 22	2 35	22 50	0 54	1 36	1 24	2 33	0 41	24 0	1 8	20 46	0 35	12 22	2 34	1 58	0 45	8 59	2 0	31 23	14 25	23 25	23 29	18 32		n.a.
F 23	2 11	23 26	0n 9	2 24	1 4	3 5	0 39	23 57	1 9	20 46	0 35	12 23	2 34	1 59	0 45	8 59	2 0	31 23	14 25	23 25	23 29	18 31		n.a.
S 24	1 46	22 56	1 12	3 11	0 43	3 37	0 37	23 54	1 10	20 46	0 35	12 25	2 34	1 59	0 45	8 58	2 0	31 23	14 25	23 25	23 29	18 29		n.a.
S 25	1 22	21 25	2 11	3 55	0 23	4 9	0 34	23 51	1 12	20 47	0 35	12 26	2 34	2 0	0 45	8 58	2 0	31 23	14 25	23 25	23 30	18 28		n.a.
M26	0 58	18 59	3 4	4 36	0 2	4 40	0 32	23 48	1 13	20 47	0 35	12 28	2 34	2 1	0 45	8 57	2 0	31 23	14 24	23 25	23 30	18 26		n.a.
T 27	0 34	15 44	3 49	5 12	0n17	5 12	0 30	23 44	1 14	20 47	0 35	12 29	2 34	2 2	0 45	8 57	2 0	31 23	14 24	23 26	23 30	18 25		n.a.
W28	0 10	11 50	4 24	5 43	0 35	5 43	0 28	23 41	1 15	20 47	0 35	12 31	2 34	2 3	0 45	8 56	2 1	31 23	14 24	23 27	23 30	18 23		n.a.
T 29	0s14	7 26	4 48	6 8	0 52	6 15	0 25	23 37	1 16	20 47	0 35	12 32	2 34	2 4	0 45	8 56	2 1	31 23	14 24	23 28	23 30	18 22		n.a.
F 30	0s39	2n41	4n59	6n27	1n 7	6s46	0n23	23n34	1n17	20n47	0s35	12s33	2s34	2s 5	0s45	8n55	2s 1	31s23	14s23	23n29	23n31	18n20		n.a.

Julian Day Number = 1568261.5, Delta T = 04h19m28s
Ecliptic obliquity = 23°44'45, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'48, Lahiri = - 9°44'47 Julian Calendar 1 Sept. 420 BCE == Greg. Calendar 27 Aug. 420 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

OCTOBER 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 17 19	2♎36'24	17♎ 5	16°D24	19♎10	20♋ 7	4°R41	3°R55	26°R27	27°R41	11°R13	8°R10	7♋48	19♌52	n.a.	S 1
S 2	0 21 15	3°36'41	29°39	16♍34	20°25	20°39	4♊40	3♓51	26♓25	27♈40	11♒13	7♋57	7°45	19°58	n.a.	S 2
M 3	0 25 12	4°37'00	12♏24	16°54	21°40	21°11	4°39	3°47	26°23	27°38	11°12	7°47	7°42	20° 5	n.a.	M 3
T 4	0 29 8	5°37'20	25°20	17°24	22°55	21°42	4°38	3°44	26°20	27°37	11°11	7°39	7°39	20°12	n.a.	T 4
W 5	0 33 5	6°37'42	8♐27	18° 2	24°10	22°14	4°36	3°40	26°18	27°35	11°11	7°35	7°36	20°18	n.a.	W 5
T 6	0 37 2	7°38'05	21°48	18°49	25°25	22°45	4°35	3°37	26°15	27°33	11°10	7°33	7°32	20°25	n.a.	T 6
F 7	0 40 58	8°38'31	5♑24	19°43	26°40	23°16	4°33	3°33	26°13	27°32	11°10	7°32	7°29	20°32	n.a.	F 7
S 8	0 44 55	9°38'57	19°17	20°43	27°55	23°47	4°31	3°30	26°11	27°30	11° 9	7°32	7°26	20°39	n.a.	S 8
S 9	0 48 51	10°39'25	3♒27	21°49	29°10	24°18	4°29	3°26	26° 8	27°29	11° 9	7°31	7°23	20°45	n.a.	S 9
M10	0 52 48	11°39'54	17°53	23° 0	0♏25	24°48	4°27	3°23	26° 6	27°27	11° 8	7°28	7°20	20°52	n.a.	M10
T 11	0 56 44	12°40'25	2♓33	24°14	1°40	25°19	4°24	3°20	26° 4	27°25	11° 8	7°21	7°17	20°59	n.a.	T 11
W12	1 0 41	13°40'57	17°21	25°32	2°54	25°49	4°21	3°17	26° 1	27°24	11° 7	7°12	7°13	21° 5	n.a.	W12
T 13	1 4 37	14°41'31	2♈10	26°53	4° 9	26°19	4°18	3°14	25°59	27°22	11° 7	7° 1	7°10	21°12	n.a.	T 13
F 14	1 8 34	15°42'06	16°50	28°16	5°24	26°49	4°15	3°11	25°57	27°21	11° 6	6°49	7° 7	21°19	n.a.	F 14
S 15	1 12 31	16°42'43	1♉14	29°42	6°39	27°19	4°12	3° 8	25°54	27°19	11° 6	6°38	7° 4	21°25	n.a.	S 15
S 16	1 16 27	17°43'22	15°16	1♎ 9	7°54	27°49	4° 8	3° 6	25°52	27°17	11° 5	6°28	7° 1	21°32	n.a.	S 16
M17	1 20 24	18°44'02	28°52	2°38	9° 9	28°18	4° 5	3° 3	25°50	27°16	11° 5	6°20	6°57	21°39	n.a.	M17
T 18	1 24 20	19°44'44	12♊ 1	4° 8	10°23	28°48	4° 1	3° 1	25°48	27°14	11° 5	6°15	6°54	21°45	n.a.	T 18
W19	1 28 17	20°45'28	24°45	5°39	11°38	29°17	3°57	2°58	25°46	27°12	11° 4	6°13	6°51	21°52	n.a.	W19
T 20	1 32 13	21°46'13	7♋ 8	7°10	12°53	29°46	3°52	2°56	25°43	27°10	11° 4	6°D13	6°48	21°59	n.a.	T 20
F 21	1 36 10	22°47'01	19°14	8°43	14° 8	0♌15	3°48	2°54	25°41	27° 9	11° 4	6°R13	6°45	22° 5	n.a.	F 21
S 22	1 40 6	23°47'50	1♌ 9	10°15	15°23	0°43	3°43	2°52	25°39	27° 7	11° 4	6°13	6°42	22°12	n.a.	S 22
S 23	1 44 3	24°48'40	12°58	11°49	16°37	1°11	3°38	2°50	25°37	27° 5	11° 3	6°11	6°38	22°19	n.a.	S 23
M24	1 48 0	25°49'32	24°47	13°22	17°52	1°40	3°33	2°48	25°35	27° 4	11° 3	6° 7	6°35	22°25	n.a.	M24
T 25	1 51 56	26°50'26	6♍40	14°56	19° 7	2° 8	3°28	2°46	25°33	27° 2	11° 3	6° 0	6°32	22°32	n.a.	T 25
W26	1 55 53	27°51'21	18°42	16°30	20°22	2°35	3°23	2°44	25°31	27° 0	11° 3	5°51	6°29	22°39	n.a.	W26
T 27	1 59 49	28°52'18	0♎55	18° 4	21°37	3° 3	3°17	2°43	25°29	26°59	11° 3	5°40	6°26	22°45	n.a.	T 27
F 28	2 3 46	29°53'15	13°21	19°38	22°51	3°30	3°12	2°41	25°27	26°57	11° 3	5°27	6°23	22°52	n.a.	F 28
S 29	2 7 42	0♏54'15	26° 1	21°12	24° 6	3°57	3° 6	2°40	25°25	26°55	11° 3	5°15	6°19	22°59	n.a.	S 29
S 30	2 11 39	1°55'15	8♏54	22°46	25°21	4°24	3° 0	2°38	25°24	26°53	11° 3	5° 3	6°16	23° 6	n.a.	S 30
M31	2 15 35	2♏56'16	22♏ 0	24♎20	26♏36	4♌50	2♊54	2♓37	25♓22	26♈52	11°D 3	4♋54	6♋13	23♌12	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s 3	2s14	4n56	6n40	1n20	7s17	0n21	23n30	1n18	20n47	0s35	12s35	2s34	2s 6	0s45	8n55	2s 1	31s23	14s23	23n29	23n31	18n19		n.a.
S 2	1 27	7 9	4 39	6 47	1 32	7 48	0 18	23 26	1 19	20 46	0 35	12 36	2 34	2 7	0 45	8 54	2 1	31 23	14 23	23 30	23 31	18 17		n.a.
M 3	1 51	11 50	4 8	6 48	1 42	8 19	0 16	23 22	1 20	20 46	0 35	12 37	2 33	2 8	0 45	8 53	2 1	31 23	14 23	23 31	23 31	18 16		n.a.
T 4	2 16	16 3	3 23	6 44	1 51	8 49	0 13	23 18	1 21	20 46	0 35	12 39	2 33	2 9	0 45	8 53	2 1	31 23	14 22	23 31	23 31	18 14		n.a.
W 5	2 40	19 34	2 27	6 36	1 58	9 19	0 11	23 14	1 22	20 46	0 35	12 40	2 33	2 10	0 45	8 52	2 1	31 23	14 22	23 32	23 31	18 13		n.a.
T 6	3 4	22 7	1 22	6 22	2 4	9 49	0 8	23 10	1 23	20 46	0 35	12 41	2 33	2 11	0 45	8 52	2 1	31 23	14 22	23 32	23 32	18 11		n.a.
F 7	3 28	23 27	0 11	6 4	2 8	10 19	0 6	23 6	1 25	20 45	0 35	12 42	2 33	2 12	0 45	8 51	2 1	31 23	14 22	23 32	23 32	18 9		n.a.
S 8	3 52	23 21	1s 2	5 43	2 11	10 49	0 3	23 2	1 26	20 45	0 35	12 43	2 33	2 13	0 45	8 50	2 1	31 23	14 21	23 32	23 32	18 8		n.a.
S 9	4 16	21 46	2 12	5 19	2 12	11 18	0 1	22 57	1 27	20 45	0 34	12 44	2 33	2 14	0 45	8 50	2 1	31 23	14 21	23 32	23 32	18 6		n.a.
M10	4 40	18 46	3 16	4 51	2 13	11 47	0s 2	22 53	1 28	20 44	0 34	12 45	2 33	2 15	0 44	8 49	2 1	31 23	14 21	23 32	23 32	18 5		n.a.
T 11	5 4	14 32	4 7	4 21	2 13	12 16	0 4	22 49	1 29	20 44	0 34	12 46	2 32	2 16	0 44	8 49	2 1	31 22	14 21	23 32	23 33	18 3		n.a.
W12	5 28	9 23	4 43	3 49	2 12	12 45	0 7	22 44	1 30	20 43	0 34	12 47	2 32	2 17	0 44	8 48	2 1	31 22	14 20	23 33	23 33	18 2		n.a.
T 13	5 52	3 42	4 59	3 15	2 10	13 13	0 10	22 39	1 32	20 43	0 34	12 48	2 32	2 18	0 44	8 47	2 1	31 22	14 20	23 33	23 33	18 0		n.a.
F 14	6 15	2n 9	4 56	2 39	2 8	13 41	0 12	22 35	1 33	20 42	0 34	12 49	2 32	2 19	0 44	8 47	2 1	31 22	14 20	23 34	23 33	17 58		n.a.
S 15	6 39	7 47	4 34	2 1	2 5	14 8	0 15	22 30	1 34	20 42	0 34	12 50	2 32	2 19	0 44	8 46	2 1	31 22	14 19	23 35	23 33	17 57		n.a.
S 16	7 2	12 53	3 55	1 23	2 1	14 36	0 17	22 25	1 35	20 41	0 34	12 51	2 32	2 20	0 44	8 46	2 1	31 22	14 19	23 35	23 33	17 55		n.a.
M17	7 26	17 10	3 4	0 44	1 57	15 2	0 20	22 20	1 37	20 40	0 34	12 52	2 31	2 21	0 44	8 45	2 1	31 22	14 19	23 36	23 34	17 54		n.a.
T 18	7 49	20 28	2 5	0 4	1 53	15 29	0 23	22 15	1 38	20 40	0 34	12 53	2 31	2 22	0 44	8 44	2 1	31 21	14 19	23 36	23 34	17 52		n.a.
W19	8 12	22 38	1 0	0s37	1 48	15 55	0 25	22 11	1 39	20 39	0 34	12 53	2 31	2 23	0 44	8 44	2 1	31 21	14 18	23 36	23 34	17 50		n.a.
T 20	8 35	23 38	0n 5	1 19	1 43	16 21	0 28	22 6	1 40	20 38	0 34	12 54	2 31	2 24	0 44	8 43	2 1	31 21	14 18	23 36	23 34	17 49		n.a.
F 21	8 58	23 29	1 9	2 1	1 37	16 46	0 30	22 1	1 42	20 38	0 34	12 55	2 31	2 25	0 44	8 43	2 1	31 21	14 18	23 36	23 34	17 47		n.a.
S 22	9 21	22 15	2 8	2 43	1 32	17 11	0 33	21 56	1 43	20 37	0 34	12 55	2 31	2 25	0 44	8 42	2 1	31 21	14 17	23 36	23 34	17 45		n.a.
S 23	9 44	20 3	3 2	3 25	1 26	17 35	0 35	21 50	1 44	20 36	0 34	12 56	2 30	2 26	0 44	8 41	2 1	31 20	14 17	23 36	23 35	17 44		n.a.
M24	10 6	17 0	3 48	4 7	1 20	17 59	0 38	21 45	1 45	20 35	0 34	12 56	2 30	2 27	0 44	8 41	2 1	31 20	14 17	23 36	23 35	17 42		n.a.
T 25	10 29	13 15	4 24	4 50	1 13	18 22	0 40	21 40	1 47	20 34	0 34	12 57	2 30	2 28	0 44	8 40	2 1	31 20	14 17	23 36	23 35	17 40		n.a.
W26	10 51	8 57	4 49	5 32	1 7	18 45	0 43	21 35	1 48	20 33	0 34	12 57	2 30	2 29	0 44	8 39	2 1	31 20	14 16	23 37	23 35	17 39		n.a.
T 27	11 13	4 14	5 1	6 14	1 1	19 8	0 45	21 30	1 49	20 32	0 33	12 58	2 30	2 29	0 44	8 39	2 1	31 19	14 16	23 37	23 35	17 37		n.a.
F 28	11 35	0s45	4 59	6 56	0 54	19 29	0 48	21 25	1 51	20 31	0 33	12 58	2 29	2 30	0 44	8 38	2 1	31 19	14 16	23 38	23 35	17 35		n.a.
S 29	11 56	5 47	4 43	7 38	0 47	19 51	0 50	21 20	1 52	20 30	0 33	12 58	2 29	2 31	0 44	8 38	2 1	31 19	14 15	23 38	23 36	17 34		n.a.
S 30	12 18	10 40	4 12	8 20	0 41	20 12	0 53	21 15	1 54	20 29	0 33	12 59	2 29	2 32	0 44	8 37	2 1	31 19	14 15	23 39	23 36	17 32		n.a.
M31	12s39	15s10	3n27	9s 1	0n34	20s32	0s55	21n 9	1n55	20n28	0s33	12s59	2s29	2s32	0s44	8n36	2s 1	31s18	14s15	23n39	23n36	17n30		n.a.

Julian Day Number = 1568291.5, Delta T = 04h19m27s
Ecliptic obliquity = 23°44'45, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'44, Lahiri = - 9°44'43 Julian Calendar 1 Oct. 420 BCE == Greg. Calendar 26 Sept. 420 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

NOVEMBER 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 19 32	3♏57'19	5♐17	25♎54	27♏50	5♌17	2°R48	2°R36	25°R20	26°R50	11♒ 3	4°R48	6♋10	23♌19	n.a.	T 1
W 2	2 23 29	4°58'22	18°45	27°28	29° 5	5°43	2♊41	2♓35	25♓18	26♈48	11° 3	4♋44	6° 7	23°26	n.a.	W 2
T 3	2 27 25	5°59'27	2♑21	29° 2	0♐20	6° 9	2°35	2°34	25°17	26°47	11° 3	4°D43	6° 3	23°32	n.a.	T 3
F 4	2 31 22	7° 0'32	16° 7	0♏36	1°34	6°34	2°28	2°34	25°15	26°45	11° 3	4°43	6° 0	23°39	n.a.	F 4
S 5	2 35 18	8° 1'38	0♒ 2	2°10	2°49	6°59	2°21	2°33	25°13	26°43	11° 3	4°44	5°57	23°46	n.a.	S 5
S 6	2 39 15	9° 2'44	14° 5	3°45	4° 4	7°24	2°15	2°32	25°12	26°42	11° 3	4°R44	5°54	23°52	n.a.	S 6
M 7	2 43 11	10° 3'51	28°17	5°19	5°18	7°49	2° 8	2°32	25°10	26°40	11° 3	4°43	5°51	23°59	n.a.	M 7
T 8	2 47 8	11° 4'58	12♓35	6°53	6°33	8°14	2° 0	2°32	25° 9	26°38	11° 4	4°39	5°48	24° 6	n.a.	T 8
W 9	2 51 4	12° 6'05	26°56	8°27	7°47	8°38	1°53	2°31	25° 7	26°37	11° 4	4°33	5°44	24°12	n.a.	W 9
T 10	2 55 1	13° 7'14	11♈15	10° 1	9° 2	9° 2	1°46	2°D31	25° 6	26°35	11° 4	4°25	5°41	24°19	n.a.	T 10
F 11	2 58 58	14° 8'23	25°29	11°35	10°17	9°25	1°39	2°31	25° 4	26°34	11° 4	4°16	5°38	24°26	n.a.	F 11
S 12	3 2 54	15° 9'32	9♉31	13°10	11°31	9°49	1°31	2°32	25° 3	26°32	11° 5	4° 8	5°35	24°33	n.a.	S 12
S 13	3 6 51	16°10'42	23°16	14°44	12°46	10°12	1°23	2°32	25° 2	26°30	11° 5	4° 0	5°32	24°39	n.a.	S 13
M14	3 10 47	17°11'53	6♊41	16°19	14° 0	10°34	1°16	2°32	25° 0	26°29	11° 5	3°55	5°29	24°46	n.a.	M14
T 15	3 14 44	18°13'04	19°44	17°53	15°15	10°57	1° 8	2°33	24°59	26°27	11° 6	3°52	5°25	24°53	n.a.	T 15
W16	3 18 40	19°14'17	2♋27	19°28	16°29	11°19	1° 0	2°33	24°58	26°26	11° 6	3°D51	5°22	24°59	n.a.	W16
T 17	3 22 37	20°15'29	14°51	21° 3	17°43	11°40	0°52	2°34	24°57	26°24	11° 6	3°51	5°19	25° 6	n.a.	T 17
F 18	3 26 33	21°16'43	26°59	22°38	18°58	12° 2	0°45	2°35	24°56	26°23	11° 7	3°53	5°16	25°13	n.a.	F 18
S 19	3 30 30	22°17'57	8♌56	24°13	20°12	12°23	0°37	2°36	24°55	26°21	11° 7	3°54	5°13	25°19	n.a.	S 19
S 20	3 34 27	23°19'12	20°48	25°49	21°27	12°43	0°29	2°37	24°54	26°20	11° 8	3°R55	5° 9	25°26	n.a.	S 20
M21	3 38 23	24°20'27	2♍38	27°24	22°41	13° 3	0°20	2°38	24°53	26°18	11° 8	3°55	5° 6	25°33	n.a.	M21
T 22	3 42 20	25°21'43	14°33	29° 0	23°55	13°23	0°12	2°39	24°52	26°17	11° 9	3°53	5° 3	25°39	n.a.	T 22
W23	3 46 16	26°22'59	26°36	0♐36	25°10	13°43	0° 4	2°40	24°51	26°15	11° 9	3°49	5° 0	25°46	n.a.	W23
T 24	3 50 13	27°24'16	8♎53	2°13	26°24	14° 2	29♉56	2°42	24°50	26°14	11°10	3°44	4°57	25°53	n.a.	T 24
F 25	3 54 9	28°25'33	21°26	3°49	27°38	14°20	29°48	2°44	24°50	26°13	11°11	3°37	4°54	26° 0	n.a.	F 25
S 26	3 58 6	29°26'51	4♏17	5°26	28°52	14°39	29°40	2°45	24°49	26°11	11°11	3°31	4°50	26° 6	n.a.	S 26
S 27	4 2 2	0♐28'08	17°26	7° 3	0♑ 7	14°57	29°32	2°47	24°48	26°10	11°12	3°25	4°47	26°13	n.a.	S 27
M28	4 5 59	1°29'26	0♐53	8°41	1°21	15°14	29°24	2°49	24°48	26° 8	11°13	3°21	4°44	26°20	n.a.	M28
T 29	4 9 56	2°30'44	14°35	10°18	2°35	15°31	29°15	2°51	24°47	26° 7	11°13	3°18	4°41	26°26	n.a.	T 29
W30	4 13 52	3♐32'02	28♐30	11♐56	3♑49	15♌47	29♉ 7	2♓53	24♓47	26♈ 6	11♒14	3°D16	4♋38	26♌33	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s 0	19s 0	2n30	9s42	0n27	20s52	0s57	21n 4	1n56	20n27	0s33	12s59	2s29	2s33	0s44	8n36	2s 1	31s18	14s14	23n39	23n36	17n29		n.a.
W 2	13 21	21 52	1 24	10 23	0 21	21 11	1 0	20 59	1 58	20 26	0 33	12 59	2 28	2 34	0 44	8 35	2 1	31 18	14 14	23 40	23 36	17 27		n.a.
T 3	13 41	23 31	0 13	11 3	0 14	21 29	1 2	20 54	1 59	20 24	0 33	12 59	2 28	2 34	0 44	8 35	2 1	31 17	14 14	23 40	23 36	17 25		n.a.
F 4	14 2	23 46	1s 1	11 43	0 7	21 47	1 4	20 49	2 1	20 23	0 33	12 59	2 28	2 35	0 44	8 34	2 1	31 17	14 13	23 40	23 36	17 24		n.a.
S 5	14 22	22 32	2 11	12 22	0 0	22 4	1 6	20 44	2 2	20 22	0 33	12 59	2 28	2 36	0 44	8 33	2 1	31 17	14 13	23 40	23 37	17 22		n.a.
S 6	14 42	19 55	3 15	13 1	0s 6	22 21	1 8	20 39	2 4	20 21	0 33	12 59	2 27	2 36	0 44	8 33	2 1	31 16	14 13	23 40	23 37	17 20		n.a.
M 7	15 1	16 4	4 7	13 40	0 13	22 37	1 11	20 34	2 5	20 19	0 33	12 59	2 27	2 37	0 44	8 32	2 1	31 16	14 13	23 40	23 37	17 18		n.a.
T 8	15 21	11 17	4 44	14 17	0 19	22 52	1 13	20 29	2 7	20 18	0 32	12 59	2 27	2 37	0 44	8 32	2 1	31 16	14 12	23 40	23 37	17 17		n.a.
W 9	15 40	5 52	5 4	14 54	0 26	23 7	1 15	20 24	2 8	20 17	0 32	12 59	2 27	2 38	0 44	8 31	2 1	31 15	14 12	23 40	23 37	17 15		n.a.
T 10	15 59	0 9	5 4	15 31	0 32	23 21	1 17	20 19	2 10	20 15	0 32	12 59	2 27	2 38	0 44	8 31	2 1	31 15	14 12	23 40	23 37	17 13		n.a.
F 11	16 17	5n33	4 46	16 7	0 38	23 34	1 19	20 14	2 11	20 14	0 32	12 59	2 26	2 39	0 44	8 30	2 1	31 15	14 11	23 41	23 37	17 12		n.a.
S 12	16 35	10 53	4 10	16 42	0 44	23 47	1 21	20 9	2 13	20 12	0 32	12 58	2 26	2 39	0 44	8 29	2 1	31 14	14 11	23 41	23 38	17 10		n.a.
S 13	16 53	15 35	3 21	17 16	0 50	23 59	1 23	20 4	2 14	20 11	0 32	12 58	2 26	2 40	0 44	8 29	2 1	31 14	14 11	23 41	23 38	17 8		n.a.
M14	17 11	19 23	2 21	17 49	0 56	24 10	1 24	19 59	2 16	20 10	0 32	12 58	2 26	2 40	0 44	8 28	2 1	31 13	14 10	23 41	23 38	17 6		n.a.
T 15	17 28	22 5	1 16	18 22	1 2	24 21	1 26	19 55	2 18	20 8	0 32	12 57	2 25	2 41	0 44	8 28	2 1	31 13	14 10	23 41	23 38	17 5		n.a.
W16	17 45	23 36	0 8	18 54	1 8	24 30	1 28	19 50	2 19	20 7	0 31	12 57	2 25	2 41	0 44	8 27	2 1	31 13	14 10	23 41	23 38	17 3		n.a.
T 17	18 2	23 53	0n59	19 25	1 13	24 39	1 29	19 46	2 21	20 5	0 31	12 57	2 25	2 42	0 43	8 27	2 0	31 12	14 9	23 41	23 38	17 1		n.a.
F 18	18 19	23 2	2 2	19 55	1 18	24 48	1 31	19 41	2 23	20 4	0 31	12 56	2 25	2 42	0 43	8 26	2 0	31 12	14 9	23 41	23 38	16 59		n.a.
S 19	18 35	21 7	2 59	20 25	1 23	24 55	1 33	19 37	2 24	20 2	0 31	12 55	2 25	2 42	0 43	8 26	2 0	31 11	14 9	23 41	23 38	16 57		n.a.
S 20	18 50	18 20	3 47	20 53	1 28	25 2	1 34	19 32	2 26	20 0	0 31	12 55	2 24	2 43	0 43	8 25	2 0	31 11	14 9	23 41	23 39	16 56		n.a.
M21	19 6	14 48	4 26	21 20	1 33	25 8	1 36	19 28	2 28	19 59	0 31	12 54	2 24	2 43	0 43	8 25	2 0	31 10	14 8	23 41	23 39	16 54		n.a.
T 22	19 21	10 40	4 53	21 46	1 37	25 13	1 37	19 24	2 30	19 57	0 31	12 54	2 24	2 44	0 43	8 24	2 0	31 10	14 8	23 41	23 39	16 52		n.a.
W23	19 36	6 4	5 8	22 11	1 41	25 17	1 38	19 20	2 31	19 56	0 31	12 53	2 24	2 44	0 43	8 24	2 0	31 10	14 8	23 41	23 39	16 50		n.a.
T 24	19 50	1 10	5 10	22 35	1 45	25 21	1 39	19 16	2 33	19 54	0 30	12 52	2 23	2 44	0 43	8 23	2 0	31 9	14 7	23 42	23 39	16 48		n.a.
F 25	20 4	3s53	4 56	22 58	1 49	25 24	1 41	19 12	2 35	19 52	0 30	12 51	2 23	2 44	0 43	8 23	2 0	31 9	14 7	23 42	23 39	16 47		n.a.
S 26	20 17	8 55	4 28	23 20	1 52	25 26	1 42	19 8	2 37	19 51	0 30	12 51	2 23	2 45	0 43	8 22	2 0	31 8	14 7	23 42	23 39	16 45		n.a.
S 27	20 31	13 40	3 44	23 40	1 56	25 27	1 43	19 5	2 38	19 49	0 30	12 50	2 23	2 45	0 43	8 22	2 0	31 8	14 6	23 42	23 39	16 43		n.a.
M28	20 43	17 52	2 48	23 59	1 58	25 28	1 44	19 1	2 40	19 48	0 30	12 49	2 23	2 45	0 43	8 21	2 0	31 7	14 6	23 42	23 40	16 41		n.a.
T 29	20 56	21 11	1 41	24 16	2 1	25 28	1 45	18 58	2 42	19 46	0 30	12 48	2 22	2 45	0 43	8 21	2 0	31 7	14 6	23 42	23 40	16 39		n.a.
W30	21s 8	23s18	0n26	24s32	2s 3	25s27	1s45	18n55	2n44	19n44	0s29	12s47	2s22	2s45	0s43	8n21	2s 0	31s 6	14s 6	23n42	23n40	16n38		n.a.

Julian Day Number = 1568322.5, Delta T = 04h19m26s
Ecliptic obliquity = 23°44'45, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'40, Lahiri = - 9°44'39 Julian Calendar 1 Nov. 420 BCE == Greg. Calendar 27 Oct. 420 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 420 BCE
geocentric

DECEMBER 420 BCE (-419) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 17 49	4♐33'20	12♉33	13♐34	5♉ 3	16♌ 3	28°R59	2♓55	24°R46	26°R 5	11♒15	3♋16	4♋35	26♌40	n.a.	T 1
F 2	4 21 45	5°34'37	26°43	15°12	6°17	16°19	28♉51	2°58	24♓46	26♈ 3	11°16	3°18	4°31	26°46	n.a.	F 2
S 3	4 25 42	6°35'54	10♒55	16°50	7°31	16°34	28°43	3° 0	24°46	26° 2	11°16	3°19	4°28	26°53	n.a.	S 3
S 4	4 29 38	7°37'11	25° 7	18°28	8°45	16°49	28°35	3° 3	24°45	26° 1	11°17	3°21	4°25	27° 0	n.a.	S 4
M 5	4 33 35	8°38'27	9♓17	20° 6	9°59	17° 3	28°27	3° 5	24°45	26° 0	11°18	3°R21	4°22	27° 6	n.a.	M 5
T 6	4 37 32	9°39'42	23°23	21°45	11°13	17°16	28°19	3° 8	24°45	25°59	11°19	3°20	4°19	27°13	n.a.	T 6
W 7	4 41 28	10°40'56	7♈24	23°22	12°27	17°29	28°12	3°11	24°45	25°58	11°20	3°19	4°15	27°20	n.a.	W 7
T 8	4 45 25	11°42'10	21°18	25° 0	13°41	17°42	28° 4	3°14	24°45	25°56	11°21	3°16	4°12	27°27	n.a.	T 8
F 9	4 49 21	12°43'23	5♉ 2	26°37	14°55	17°54	27°56	3°17	24°D45	25°55	11°22	3°13	4° 9	27°33	n.a.	F 9
S 10	4 53 18	13°44'36	18°34	28°13	16° 9	18° 5	27°49	3°20	24°45	25°54	11°23	3°10	4° 6	27°40	n.a.	S 10
S 11	4 57 14	14°45'48	1♊53	29°49	17°22	18°16	27°41	3°23	24°45	25°53	11°24	3° 7	4° 3	27°47	n.a.	S 11
M12	5 1 11	15°47'00	14°58	1♉23	18°36	18°26	27°34	3°27	24°45	25°52	11°25	3° 5	4° 0	27°53	n.a.	M12
T 13	5 5 7	16°48'11	27°46	2°56	19°50	18°36	27°26	3°30	24°45	25°51	11°26	3°D 5	3°56	28° 0	n.a.	T 13
W14	5 9 4	17°49'21	10♋20	4°27	21° 3	18°45	27°19	3°34	24°46	25°51	11°27	3° 5	3°53	28° 7	n.a.	W14
T 15	5 13 1	18°50'32	22°39	5°56	22°17	18°54	27°12	3°37	24°46	25°50	11°28	3° 5	3°50	28°13	n.a.	T 15
F 16	5 16 57	19°51'41	4♌45	7°22	23°30	19° 2	27° 5	3°41	24°46	25°49	11°29	3° 7	3°47	28°20	n.a.	F 16
S 17	5 20 54	20°52'50	16°43	8°46	24°44	19° 9	26°58	3°45	24°47	25°48	11°30	3° 8	3°44	28°27	n.a.	S 17
S 18	5 24 50	21°53'58	28°35	10° 5	25°57	19°15	26°52	3°49	24°47	25°47	11°31	3° 9	3°41	28°34	n.a.	S 18
M19	5 28 47	22°55'06	10♍26	11°20	27°10	19°21	26°45	3°53	24°48	25°46	11°32	3°10	3°37	28°40	n.a.	M19
T 20	5 32 43	23°56'13	22°20	12°31	28°24	19°27	26°38	3°57	24°48	25°46	11°33	3°R10	3°34	28°47	n.a.	T 20
W21	5 36 40	24°57'20	4♎23	13°35	29°37	19°31	26°32	4° 1	24°49	25°45	11°34	3°10	3°31	28°54	n.a.	W21
T 22	5 40 36	25°58'26	16°38	14°33	0♒50	19°35	26°26	4° 5	24°49	25°44	11°36	3°10	3°28	29° 0	n.a.	T 22
F 23	5 44 33	26°59'31	29°11	15°23	2° 3	19°38	26°20	4°10	24°50	25°44	11°37	3° 9	3°25	29° 7	n.a.	F 23
S 24	5 48 30	28° 0'36	12♏ 4	16° 5	3°16	19°41	26°14	4°14	24°51	25°43	11°38	3° 8	3°21	29°14	n.a.	S 24
S 25	5 52 26	29° 1'39	25°19	16°38	4°29	19°43	26° 8	4°19	24°52	25°42	11°39	3° 8	3°18	29°20	n.a.	S 25
M26	5 56 23	0♑ 2'42	8♐58	17° 1	5°42	19°44	26° 2	4°23	24°53	25°42	11°40	3° 7	3°15	29°27	n.a.	M26
T 27	6 0 19	1° 3'45	22°59	17°13	6°55	19°R44	25°57	4°28	24°53	25°41	11°42	3° 7	3°12	29°34	n.a.	T 27
W28	6 4 16	2° 4'46	7♑17	17°R15	8° 8	19°44	25°52	4°33	24°54	25°41	11°43	3°D 7	3° 9	29°41	n.a.	W28
T 29	6 8 12	3° 5'46	21°49	17° 5	9°21	19°42	25°46	4°38	24°55	25°40	11°44	3°R 7	3° 6	29°47	n.a.	T 29
F 30	6 12 9	4° 6'44	6♒29	16°43	10°34	19°40	25°41	4°43	24°57	25°40	11°46	3° 7	3° 2	29°54	n.a.	F 30
S 31	6 16 6	5♑ 7'41	21♒ 8	16♑11	11♒46	19♌38	25♉37	4♓48	24♓58	25♈40	11♒47	3♋ 7	2♋59	0♍ 1	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21 s19	23 s59	0 s51	24 s47	2 s 4	25 s25	1 s46	18n52	2n46	19n43	0 s29	12 s46	2 s22	2 s45	0 s43	8n20	2 s 0	31 s 6	14 s 5	23n42	23n40	16n36			n.a.
F 2	21 31	23 8	2 5	25 0	2 6	25 22	1 47	18 49	2 48	19 41	0 29	12 45	2 22	2 46	0 43	8 20	2 0	31 5	14 5	23 42	23 40	16 34			n.a.
S 3	21 41	20 47	3 12	25 11	2 7	25 19	1 47	18 46	2 50	19 39	0 29	12 44	2 21	2 46	0 43	8 19	2 0	31 5	14 5	23 42	23 40	16 32			n.a.
S 4	21 52	17 11	4 7	25 21	2 7	25 15	1 48	18 43	2 52	19 38	0 29	12 42	2 21	2 46	0 43	8 19	2 0	31 4	14 5	23 42	23 40	16 30			n.a.
M 5	22 2	12 37	4 47	25 29	2 7	25 10	1 48	18 41	2 54	19 36	0 29	12 41	2 21	2 46	0 43	8 19	2 0	31 4	14 4	23 42	23 40	16 28			n.a.
T 6	22 11	7 23	5 10	25 35	2 6	25 4	1 49	18 38	2 56	19 35	0 29	12 40	2 21	2 46	0 43	8 18	2 0	31 3	14 4	23 42	23 40	16 26			n.a.
W 7	22 20	1 49	5 14	25 40	2 5	24 58	1 49	18 36	2 58	19 33	0 28	12 39	2 21	2 46	0 43	8 18	2 0	31 3	14 4	23 42	23 41	16 25			n.a.
T 8	22 29	3n48	4 59	25 42	2 3	24 51	1 49	18 34	3 0	19 32	0 28	12 38	2 20	2 46	0 43	8 17	2 0	31 2	14 3	23 42	23 41	16 23			n.a.
F 9	22 37	9 10	4 28	25 43	2 1	24 43	1 49	18 32	3 2	19 30	0 28	12 36	2 20	2 46	0 43	8 17	2 0	31 2	14 3	23 42	23 41	16 21			n.a.
S 10	22 45	14 2	3 41	25 42	1 58	24 34	1 50	18 31	3 4	19 28	0 28	12 35	2 20	2 46	0 43	8 17	1 59	31 1	14 3	23 42	23 41	16 19			n.a.
S 11	22 52	18 8	2 44	25 39	1 54	24 25	1 49	18 29	3 6	19 27	0 28	12 33	2 20	2 46	0 43	8 17	1 59	31 1	14 3	23 42	23 41	16 17			n.a.
M12	22 59	21 15	1 38	25 34	1 50	24 14	1 49	18 28	3 8	19 25	0 27	12 32	2 20	2 46	0 42	8 16	1 59	31 0	14 2	23 43	23 41	16 15			n.a.
T 13	23 5	23 14	0 29	25 27	1 45	24 4	1 49	18 27	3 10	19 24	0 27	12 31	2 19	2 45	0 42	8 16	1 59	31 0	14 2	23 43	23 41	16 13			n.a.
W14	23 11	24 0	0n40	25 19	1 39	23 52	1 49	18 26	3 12	19 22	0 27	12 29	2 19	2 45	0 42	8 16	1 59	30 59	14 2	23 43	23 41	16 11			n.a.
T 15	23 16	23 34	1 46	25 8	1 32	23 40	1 49	18 25	3 14	19 21	0 27	12 28	2 19	2 45	0 42	8 15	1 59	30 58	14 2	23 43	23 41	16 10			n.a.
F 16	23 21	22 1	2 47	24 56	1 24	23 27	1 48	18 25	3 16	19 19	0 27	12 26	2 19	2 45	0 42	8 15	1 59	30 58	14 1	23 43	23 41	16 8			n.a.
S 17	23 26	19 30	3 39	24 42	1 15	23 13	1 48	18 25	3 19	19 18	0 27	12 24	2 18	2 45	0 42	8 15	1 59	30 57	14 1	23 42	23 42	16 6			n.a.
S 18	23 30	16 11	4 21	24 27	1 5	22 59	1 47	18 24	3 21	19 17	0 26	12 23	2 18	2 45	0 42	8 15	1 59	30 57	14 1	23 42	23 42	16 4			n.a.
M19	23 33	12 15	4 53	24 10	0 55	22 44	1 46	18 25	3 23	19 15	0 26	12 21	2 18	2 44	0 42	8 14	1 59	30 56	14 1	23 42	23 42	16 2			n.a.
T 20	23 36	7 50	5 11	23 52	0 43	22 28	1 45	18 25	3 25	19 14	0 26	12 19	2 18	2 44	0 42	8 14	1 59	30 56	14 1	23 42	23 42	16 0			n.a.
W21	23 39	3 5	5 17	23 32	0 30	22 12	1 45	18 26	3 27	19 13	0 26	12 18	2 18	2 44	0 42	8 14	1 59	30 55	14 0	23 42	23 42	15 58			n.a.
T 22	23 41	1 s53	5 8	23 13	0 16	21 55	1 44	18 26	3 29	19 11	0 26	12 16	2 18	2 43	0 42	8 14	1 59	30 55	14 0	23 42	23 42	15 56			n.a.
F 23	23 43	6 53	4 45	22 52	0 1	21 37	1 43	18 27	3 32	19 10	0 25	12 14	2 17	2 43	0 42	8 14	1 59	30 54	14 0	23 42	23 42	15 54			n.a.
S 24	23 44	11 44	4 7	22 32	0n14	21 19	1 41	18 29	3 34	19 9	0 25	12 12	2 17	2 43	0 42	8 13	1 59	30 54	14 0	23 42	23 42	15 52			n.a.
S 25	23 45	16 11	3 15	22 11	0 31	21 0	1 40	18 30	3 36	19 8	0 25	12 10	2 17	2 42	0 42	8 13	1 59	30 53	14 0	23 42	23 42	15 50			n.a.
M26	23 45	19 56	2 10	21 51	0 48	20 41	1 39	18 32	3 38	19 7	0 25	12 8	2 17	2 42	0 42	8 13	1 59	30 52	13 59	23 43	23 42	15 48			n.a.
T 27	23 44	22 37	0 56	21 32	1 6	20 21	1 37	18 34	3 41	19 5	0 25	12 7	2 17	2 42	0 42	8 13	1 58	30 52	13 59	23 43	23 42	15 46			n.a.
W28	23 44	23 56	0 s23	21 13	1 24	20 1	1 36	18 36	3 43	19 4	0 24	12 5	2 16	2 41	0 42	8 13	1 58	30 51	13 59	23 43	23 42	15 45			n.a.
T 29	23 43	23 38	1 42	20 56	1 43	19 40	1 34	18 39	3 45	19 3	0 24	12 3	2 16	2 41	0 42	8 13	1 58	30 51	13 59	23 43	23 43	15 43			n.a.
F 30	23 41	21 43	2 55	20 41	2 1	19 18	1 33	18 41	3 47	19 2	0 24	12 1	2 16	2 40	0 42	8 13	1 58	30 50	13 59	23 43	23 43	15 41			n.a.
S 31	23 s39	18 s21	3 s56	20 s27	2n19	18 s56	1 s31	18n44	3n49	19n 1	0 s24	11 s59	2 s16	2 s40	0 s42	8n13	1 s58	30 s50	13 s58	23n43	23n43	15n39			n.a.

Julian Day Number = 1568352.5, Delta T = 04h19m25s
Ecliptic obliquity = 23°44'45, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'36, Lahiri = - 9°44'35 Julian Calendar 1 Dec. 420 BCE == Greg. Calendar 26 Nov. 420 BCE

The year -419 astronomical counting style corresponds to year 420 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

JANUARY 419 BCE (-418) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 20 2	6♉ 8'37	5♓42	15°R29	12♒59	19°R34	25°R32	4♓53	24♓59	25°R39	11♒48	3°R 7	2♋56	0♍ 7	n.a.	S 1
M 2	6 23 59	7° 9'31	20° 6	14♉37	14°11	19♌30	25♉27	4°58	25° 0	25♈39	11°50	3♋ 6	2°53	0°14	n.a.	M 2
T 3	6 27 55	8°10'23	4♈16	13°38	15°24	19°25	25°23	5° 3	25° 1	25°39	11°51	3°D 6	2°50	0°21	n.a.	T 3
W 4	6 31 52	9°11'14	18°11	12°32	16°36	19°19	25°19	5° 9	25° 3	25°38	11°52	3° 6	2°47	0°27	n.a.	W 4
T 5	6 35 48	10°12'03	1♉49	11°23	17°48	19°12	25°15	5°14	25° 4	25°38	11°54	3° 6	2°43	0°34	n.a.	T 5
F 6	6 39 45	11°12'50	15°12	10°11	19° 0	19° 5	25°11	5°20	25° 5	25°38	11°55	3° 7	2°40	0°41	n.a.	F 6
S 7	6 43 41	12°13'36	28°20	8°59	20°12	18°56	25° 8	5°25	25° 7	25°38	11°57	3° 8	2°37	0°48	n.a.	S 7
S 8	6 47 38	13°14'20	11♊14	7°49	21°24	18°47	25° 5	5°31	25° 8	25°38	11°58	3° 9	2°34	0°54	n.a.	S 8
M 9	6 51 35	14°15'03	23°55	6°42	22°36	18°38	25° 1	5°37	25°10	25°38	11°59	3°10	2°31	1° 1	n.a.	M 9
T 10	6 55 31	15°15'44	6♋25	5°40	23°48	18°27	24°58	5°42	25°12	25°38	12° 1	3°R10	2°27	1° 8	n.a.	T 10
W11	6 59 28	16°16'23	18°43	4°45	25° 0	18°16	24°56	5°48	25°13	25°D38	12° 2	3° 9	2°24	1°14	n.a.	W11
T 12	7 3 24	17°17'01	0♌53	3°56	26°11	18° 4	24°53	5°54	25°15	25°38	12° 4	3° 8	2°21	1°21	n.a.	T 12
F 13	7 7 21	18°17'37	12°54	3°15	27°23	17°51	24°51	6° 0	25°17	25°38	12° 5	3° 6	2°18	1°28	n.a.	F 13
S 14	7 11 17	19°18'11	24°50	2°42	28°34	17°37	24°48	6° 6	25°18	25°38	12° 7	3° 3	2°15	1°34	n.a.	S 14
S 15	7 15 14	20°18'44	6♍42	2°16	29°45	17°23	24°46	6°12	25°20	25°38	12° 8	3° 1	2°12	1°41	n.a.	S 15
M16	7 19 10	21°19'16	18°33	1°58	0♓56	17° 8	24°45	6°18	25°22	25°38	12°10	2°58	2° 8	1°48	n.a.	M16
T 17	7 23 7	22°19'46	0♎27	1°48	2° 7	16°52	24°43	6°25	25°24	25°38	12°11	2°56	2° 5	1°55	n.a.	T 17
W18	7 27 4	23°20'15	12°28	1°D45	3°18	16°36	24°42	6°31	25°26	25°39	12°13	2°54	2° 2	2° 1	n.a.	W18
T 19	7 31 0	24°20'42	24°40	1°49	4°29	16°18	24°40	6°37	25°28	25°39	12°14	2°D54	1°59	2° 8	n.a.	T 19
F 20	7 34 57	25°21'07	7♏ 7	1°59	5°40	16° 1	24°39	6°43	25°30	25°39	12°16	2°54	1°56	2°15	n.a.	F 20
S 21	7 38 53	26°21'31	19°55	2°16	6°50	15°42	24°39	6°50	25°32	25°40	12°17	2°55	1°52	2°21	n.a.	S 21
S 22	7 42 50	27°21'54	3♐ 7	2°38	8° 1	15°23	24°38	6°56	25°34	25°40	12°19	2°57	1°49	2°28	n.a.	S 22
M23	7 46 46	28°22'15	16°45	3° 6	9°11	15° 4	24°38	7° 3	25°36	25°40	12°20	2°59	1°46	2°35	n.a.	M23
T 24	7 50 43	29°22'34	0♑50	3°38	10°22	14°43	24°37	7°10	25°39	25°41	12°22	2°R59	1°43	2°42	n.a.	T 24
W25	7 54 39	0♒22'52	15°20	4°15	11°32	14°23	24°D37	7°16	25°41	25°41	12°24	2°59	1°40	2°48	n.a.	W25
T 26	7 58 36	1°23'08	0♒10	4°56	12°42	14° 2	24°38	7°23	25°43	25°42	12°25	2°57	1°37	2°55	n.a.	T 26
F 27	8 2 33	2°23'22	15°13	5°41	13°51	13°40	24°38	7°30	25°45	25°42	12°27	2°54	1°33	3° 2	n.a.	F 27
S 28	8 6 29	3°23'34	0♓19	6°29	15° 1	13°18	24°39	7°36	25°48	25°43	12°28	2°49	1°30	3° 8	n.a.	S 28
S 29	8 10 26	4°23'44	15°19	7°21	16°11	12°56	24°39	7°43	25°50	25°43	12°30	2°45	1°27	3°15	n.a.	S 29
M30	8 14 22	5°23'51	0♈ 4	8°16	17°20	12°33	24°40	7°50	25°53	25°44	12°31	2°40	1°24	3°22	n.a.	M30
T 31	8 18 19	6♒23'57	14♈29	9♉14	18♓29	12♌10	24♉42	7♓57	25♓55	25♈45	12♒33	2♋37	1♋21	3♍29	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s36	13s54	4s42	20s15	2n36	18s33	1s29	18n48	3n52	19n 0	0s24	11s57	2s16	2s39	0s42	8n13	1s58	30s49	13s58	23n43	23n43	15n37		n.a.
M 2	23 33	8 42	5 9	20 6	2 51	18 10	1 27	18 51	3 54	19 0	0 23	11 54	2 16	2 39	0 42	8 13	1 58	30 48	13 58	23 43	23 43	15 35		n.a.
T 3	23 29	3 7	5 17	19 58	3 5	17 47	1 25	18 55	3 56	18 59	0 23	11 52	2 15	2 38	0 42	8 12	1 58	30 48	13 58	23 43	23 43	15 33		n.a.
W 4	23 25	2n30	5 6	19 52	3 18	17 23	1 23	18 59	3 58	18 58	0 23	11 50	2 15	2 38	0 42	8 12	1 58	30 47	13 58	23 43	23 43	15 31		n.a.
T 5	23 21	7 54	4 38	19 48	3 28	16 59	1 21	19 3	4 0	18 57	0 23	11 48	2 15	2 37	0 42	8 12	1 58	30 47	13 58	23 43	23 43	15 29		n.a.
F 6	23 16	12 51	3 56	19 46	3 36	16 34	1 19	19 7	4 2	18 56	0 23	11 46	2 15	2 37	0 41	8 12	1 58	30 46	13 58	23 43	23 43	15 27		n.a.
S 7	23 11	17 6	3 1	19 46	3 41	16 9	1 16	19 12	4 4	18 56	0 22	11 44	2 15	2 36	0 41	8 12	1 58	30 46	13 57	23 42	23 43	15 25		n.a.
S 8	23 5	20 27	1 59	19 47	3 44	15 43	1 14	19 17	4 6	18 55	0 22	11 41	2 15	2 35	0 41	8 12	1 58	30 45	13 57	23 42	23 43	15 23		n.a.
M 9	22 58	22 45	0 51	19 50	3 45	15 17	1 12	19 22	4 8	18 55	0 22	11 39	2 14	2 35	0 41	8 13	1 58	30 45	13 57	23 42	23 43	15 21		n.a.
T 10	22 52	23 53	0n18	19 54	3 44	14 50	1 9	19 27	4 10	18 54	0 22	11 37	2 14	2 34	0 41	8 13	1 57	30 44	13 57	23 42	23 43	15 19		n.a.
W11	22 44	23 49	1 25	19 59	3 40	14 24	1 6	19 32	4 12	18 54	0 22	11 34	2 14	2 33	0 41	8 13	1 57	30 43	13 57	23 42	23 43	15 17		n.a.
T 12	22 37	22 37	2 27	20 6	3 35	13 57	1 3	19 38	4 14	18 53	0 21	11 32	2 14	2 33	0 41	8 13	1 57	30 43	13 57	23 42	23 43	15 15		n.a.
F 13	22 29	20 23	3 22	20 14	3 28	13 29	1 1	19 44	4 16	18 53	0 21	11 30	2 14	2 32	0 41	8 13	1 57	30 42	13 57	23 43	23 44	15 13		n.a.
S 14	22 20	17 18	4 8	20 23	3 20	13 1	0 58	19 50	4 18	18 52	0 21	11 27	2 14	2 31	0 41	8 13	1 57	30 42	13 57	23 43	23 44	15 11		n.a.
S 15	22 11	13 32	4 43	20 32	3 11	12 33	0 55	19 56	4 19	18 52	0 21	11 25	2 14	2 30	0 41	8 13	1 57	30 41	13 56	23 43	23 44	15 9		n.a.
M16	22 2	9 15	5 5	20 43	3 1	12 5	0 52	20 2	4 21	18 52	0 21	11 23	2 13	2 29	0 41	8 13	1 57	30 41	13 56	23 43	23 44	15 6		n.a.
T 17	21 52	4 37	5 15	20 53	2 51	11 36	0 49	20 9	4 23	18 52	0 20	11 20	2 13	2 29	0 41	8 13	1 57	30 40	13 56	23 43	23 44	15 4		n.a.
W18	21 42	0s13	5 11	21 5	2 39	11 8	0 45	20 15	4 24	18 52	0 20	11 18	2 13	2 28	0 41	8 13	1 57	30 40	13 56	23 43	23 44	15 2		n.a.
T 19	21 31	5 8	4 53	21 16	2 28	10 38	0 42	20 22	4 26	18 51	0 20	11 15	2 13	2 27	0 41	8 14	1 57	30 39	13 56	23 43	23 44	15 0		n.a.
F 20	21 20	9 58	4 21	21 28	2 16	10 9	0 39	20 29	4 27	18 51	0 20	11 13	2 13	2 26	0 41	8 14	1 57	30 39	13 56	23 43	23 44	14 58		n.a.
S 21	21 9	14 30	3 35	21 40	2 4	9 39	0 35	20 36	4 28	18 51	0 20	11 10	2 13	2 25	0 41	8 14	1 57	30 38	13 56	23 43	23 44	14 56		n.a.
S 22	20 57	18 29	2 37	21 51	1 52	9 10	0 32	20 43	4 30	18 51	0 19	11 7	2 13	2 24	0 41	8 14	1 57	30 37	13 56	23 43	23 44	14 54		n.a.
M23	20 45	21 37	1 28	22 2	1 40	8 40	0 28	20 50	4 31	18 52	0 19	11 5	2 13	2 24	0 41	8 14	1 57	30 37	13 56	23 43	23 44	14 52		n.a.
T 24	20 33	23 33	0 12	22 14	1 28	8 9	0 25	20 57	4 32	18 52	0 19	11 2	2 13	2 23	0 41	8 15	1 56	30 36	13 56	23 43	23 44	14 50		n.a.
W25	20 20	23 58	1s 7	22 24	1 16	7 39	0 21	21 4	4 33	18 52	0 19	11 0	2 12	2 22	0 41	8 15	1 56	30 36	13 56	23 43	23 44	14 48		n.a.
T 26	20 6	22 43	2 24	22 34	1 5	7 9	0 17	21 11	4 34	18 52	0 19	10 57	2 12	2 21	0 41	8 15	1 56	30 35	13 56	23 43	23 44	14 46		n.a.
F 27	19 53	19 50	3 31	22 44	0 53	6 38	0 13	21 18	4 34	18 52	0 18	10 54	2 12	2 20	0 41	8 15	1 56	30 35	13 56	23 43	23 44	14 44		n.a.
S 28	19 39	15 36	4 24	22 53	0 42	6 7	0 9	21 26	4 35	18 53	0 18	10 52	2 12	2 19	0 41	8 16	1 56	30 34	13 56	23 43	23 44	14 42		n.a.
S 29	19 24	10 26	4 58	23 1	0 31	5 36	0 5	21 33	4 36	18 53	0 18	10 49	2 12	2 18	0 41	8 16	1 56	30 34	13 56	23 43	23 44	14 40		n.a.
M30	19 10	4 44	5 12	23 8	0 21	5 5	0 1	21 40	4 36	18 53	0 18	10 46	2 12	2 17	0 41	8 16	1 56	30 33	13 56	23 43	23 44	14 37		n.a.
T 31	18s55	1n 5	5s 6	23s15	0n10	4s34	0n 3	21n47	4n37	18n54	0s18	10s44	2s12	2s16	0s41	8n17	1s56	30s33	13s56	23n43	23n44	14n35		n.a.

Julian Day Number = 1568383.5, Delta T = 04h19m23s
Ecliptic obliquity = 23°44'45, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'31, Lahiri = - 9°44'31 Julian Calendar 1 Jan. 419 BCE == Greg. Calendar 27 Dec. 420 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

FEBRUARY 419 BCE (-418) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 22 15	7♒23'59	28♈30	10♉15	19♓38	11°R47	24♉43	8♓ 4	25♓58	25♈46	12♒35	2°R35	1♋18	3♍35	n.a.	W 1
T 2	8 26 12	8°24'00	12♉ 7	11°18	20°47	11♏24	24°44	8°11	26° 0	25°46	12°36	2°D35	1°14	3°42	n.a.	T 2
F 3	8 30 8	9°23'59	25°22	12°24	21°56	11° 0	24°46	8°18	26° 3	25°47	12°38	2♋36	1°11	3°49	n.a.	F 3
S 4	8 34 5	10°23'55	8♊16	13°31	23° 4	10°37	24°48	8°25	26° 5	25°48	12°39	2°38	1° 8	3°55	n.a.	S 4
S 5	8 38 2	11°23'49	20°53	14°41	24°13	10°13	24°50	8°32	26° 8	25°49	12°41	2°39	1° 5	4° 2	n.a.	S 5
M 6	8 41 58	12°23'40	3♋18	15°53	25°21	9°50	24°53	8°39	26°11	25°50	12°43	2°R40	1° 2	4° 9	n.a.	M 6
T 7	8 45 55	13°23'29	15°31	17° 7	26°29	9°26	24°55	8°47	26°13	25°50	12°44	2°39	0°58	4°15	n.a.	T 7
W 8	8 49 51	14°23'17	27°36	18°23	27°37	9° 3	24°58	8°54	26°16	25°51	12°46	2°36	0°55	4°22	n.a.	W 8
T 9	8 53 48	15°23'01	9♌36	19°40	28°45	8°39	25° 1	9° 1	26°19	25°52	12°47	2°31	0°52	4°29	n.a.	T 9
F 10	8 57 44	16°22'44	21°31	20°59	29°52	8°16	25° 4	9° 8	26°22	25°53	12°49	2°24	0°49	4°36	n.a.	F 10
S 11	9 1 41	17°22'25	3♍24	22°20	0♈59	7°53	25° 7	9°16	26°24	25°54	12°51	2°16	0°46	4°42	n.a.	S 11
S 12	9 5 37	18°22'03	15°16	23°42	2° 6	7°30	25°11	9°23	26°27	25°56	12°52	2° 6	0°43	4°49	n.a.	S 12
M13	9 9 34	19°21'40	27° 8	25° 6	3°13	7° 8	25°14	9°30	26°30	25°57	12°54	1°57	0°39	4°56	n.a.	M13
T 14	9 13 31	20°21'14	9♎ 4	26°31	4°20	6°46	25°18	9°38	26°33	25°58	12°55	1°50	0°36	5° 2	n.a.	T 14
W15	9 17 27	21°20'47	21° 6	27°58	5°26	6°24	25°22	9°45	26°36	25°59	12°57	1°43	0°33	5° 9	n.a.	W15
T 16	9 21 24	22°20'18	3♏17	29°26	6°32	6° 3	25°26	9°53	26°39	26° 0	12°59	1°39	0°30	5°16	n.a.	T 16
F 17	9 25 20	23°19'46	15°42	0♒55	7°38	5°42	25°30	10° 0	26°42	26° 1	13° 0	1°37	0°27	5°23	n.a.	F 17
S 18	9 29 17	24°19'13	28°24	2°26	8°44	5°22	25°35	10° 8	26°45	26° 3	13° 2	1°D37	0°24	5°29	n.a.	S 18
S 19	9 33 13	25°18'39	11♐29	3°59	9°49	5° 2	25°40	10°15	26°48	26° 4	13° 3	1°38	0°20	5°36	n.a.	S 19
M20	9 37 10	26°18'02	24°58	5°32	10°54	4°42	25°45	10°23	26°51	26° 5	13° 5	1°R38	0°17	5°43	n.a.	M20
T 21	9 41 6	27°17'24	8♑56	7° 7	11°59	4°24	25°50	10°30	26°54	26° 6	13° 6	1°38	0°14	5°49	n.a.	T 21
W22	9 45 3	28°16'43	23°22	8°44	13° 4	4° 6	25°55	10°38	26°57	26° 8	13° 8	1°36	0°11	5°56	n.a.	W22
T 23	9 48 59	29°16'01	8♒13	10°21	14° 8	3°48	26° 0	10°45	27° 0	26° 9	13°10	1°32	0° 8	6° 3	n.a.	T 23
F 24	9 52 56	0♓15'16	23°23	12° 1	15°12	3°31	26° 6	10°53	27° 3	26°11	13°11	1°25	0° 4	6°10	n.a.	F 24
S 25	9 56 53	1°14'29	8♓41	13°41	16°16	3°15	26°11	11° 1	27° 6	26°12	13°13	1°17	0° 1	6°16	n.a.	S 25
S 26	10 0 49	2°13'41	23°58	15°23	17°20	3° 0	26°17	11° 8	27°10	26°13	13°14	1° 8	29♊58	6°23	n.a.	S 26
M27	10 4 46	3°12'49	9♈ 1	17° 6	18°23	2°45	26°23	11°16	27°13	26°15	13°16	0°59	29°55	6°30	n.a.	M27
T 28	10 8 42	4♓11'56	23♈42	18♒51	19♈26	2♏31	26♉29	11♓24	27♓16	26♈16	13♒17	0♋51	29♊52	6♍36	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s39	6n42	4s41	23s20	0n 0	4s 3	0n 7	21n54	4n37	18n54	0s17	10s41	2s12	2s15	0s41	8n17	1s56	30s32	13s56	23n43	23n44	14n33		n.a.
T 2	18 24	11 51	4 1	23 25	0s 9	3 32	0 11	22 1	4 37	18 55	0 17	10 38	2 12	2 14	0 41	8 17	1 56	30 32	13 56	23 43	23 44	14 31		n.a.
F 3	18 8	16 17	3 9	23 28	0 19	3 1	0 15	22 7	4 37	18 56	0 17	10 36	2 12	2 13	0 41	8 18	1 56	30 31	13 56	23 43	23 44	14 29		n.a.
S 4	17 51	19 51	2 9	23 31	0 28	2 29	0 19	22 14	4 37	18 56	0 17	10 33	2 12	2 12	0 41	8 18	1 56	30 31	13 56	23 43	23 44	14 27		n.a.
S 5	17 35	22 22	1 4	23 32	0 37	1 58	0 24	22 20	4 37	18 57	0 17	10 30	2 11	2 10	0 40	8 18	1 56	30 30	13 56	23 43	23 44	14 25		n.a.
M 6	17 18	23 46	0n 3	23 32	0 45	1 26	0 28	22 27	4 36	18 58	0 17	10 27	2 11	2 9	0 40	8 19	1 56	30 30	13 56	23 43	23 45	14 23		n.a.
T 7	17 1	23 59	1 9	23 31	0 53	0 55	0 32	22 33	4 36	18 59	0 16	10 24	2 11	2 8	0 40	8 19	1 56	30 29	13 56	23 43	23 45	14 21		n.a.
W 8	16 43	23 3	2 11	23 28	1 1	0 24	0 37	22 39	4 36	18 59	0 16	10 22	2 11	2 7	0 40	8 19	1 55	30 29	13 56	23 43	23 45	14 18		n.a.
T 9	16 26	21 4	3 6	23 25	1 8	0n 8	0 41	22 45	4 35	19 0	0 16	10 19	2 11	2 6	0 40	8 20	1 55	30 29	13 56	23 43	23 45	14 16		n.a.
F 10	16 8	18 11	3 53	23 20	1 15	0 39	0 46	22 50	4 34	19 1	0 16	10 16	2 11	2 5	0 40	8 20	1 55	30 28	13 56	23 43	23 45	14 14		n.a.
S 11	15 49	14 34	4 30	23 13	1 22	1 10	0 51	22 55	4 33	19 2	0 16	10 13	2 11	2 4	0 40	8 21	1 55	30 28	13 56	23 44	23 45	14 12		n.a.
S 12	15 31	10 23	4 54	23 5	1 28	1 41	0 55	23 1	4 32	19 3	0 15	10 10	2 11	2 3	0 40	8 21	1 55	30 27	13 56	23 44	23 45	14 10		n.a.
M13	15 12	5 49	5 6	22 56	1 34	2 12	1 0	23 6	4 31	19 4	0 15	10 7	2 11	2 1	0 40	8 22	1 55	30 27	13 56	23 44	23 45	14 8		n.a.
T 14	14 53	1 1	5 5	22 45	1 40	2 43	1 4	23 10	4 30	19 5	0 15	10 4	2 11	2 0	0 40	8 22	1 55	30 26	13 56	23 44	23 45	14 6		n.a.
W15	14 34	3s52	4 50	22 33	1 45	3 14	1 9	23 15	4 29	19 6	0 15	10 2	2 11	1 59	0 40	8 23	1 55	30 26	13 56	23 44	23 45	14 3		n.a.
T 16	14 15	8 40	4 22	22 19	1 49	3 45	1 14	23 19	4 28	19 8	0 15	9 59	2 11	1 58	0 40	8 23	1 55	30 26	13 56	23 44	23 45	14 1		n.a.
F 17	13 55	13 13	3 41	22 3	1 54	4 16	1 19	23 23	4 26	19 9	0 15	9 56	2 11	1 57	0 40	8 24	1 55	30 25	13 56	23 44	23 45	13 59		n.a.
S 18	13 35	17 19	2 49	21 47	1 58	4 47	1 23	23 27	4 25	19 10	0 14	9 53	2 11	1 55	0 40	8 24	1 55	30 25	13 56	23 44	23 45	13 57		n.a.
S 19	13 15	20 42	1 46	21 28	2 1	5 17	1 28	23 30	4 23	19 11	0 14	9 50	2 11	1 54	0 40	8 25	1 55	30 24	13 57	23 44	23 45	13 55		n.a.
M20	12 55	23 3	0 36	21 8	2 4	5 47	1 33	23 33	4 21	19 13	0 14	9 47	2 11	1 53	0 40	8 25	1 55	30 24	13 57	23 44	23 45	13 52		n.a.
T 21	12 34	24 5	0s39	20 46	2 7	6 17	1 38	23 36	4 20	19 14	0 14	9 44	2 11	1 52	0 40	8 26	1 55	30 24	13 57	23 44	23 45	13 50		n.a.
W22	12 13	23 34	1 54	20 23	2 9	6 47	1 42	23 39	4 18	19 16	0 14	9 41	2 11	1 50	0 40	8 26	1 55	30 23	13 57	23 44	23 45	13 48		n.a.
T 23	11 53	21 23	3 3	19 58	2 11	7 17	1 47	23 41	4 16	19 17	0 14	9 38	2 11	1 49	0 40	8 27	1 55	30 23	13 57	23 44	23 45	13 46		n.a.
F 24	11 31	17 40	4 0	19 31	2 12	7 47	1 52	23 44	4 14	19 18	0 13	9 35	2 11	1 48	0 40	8 27	1 54	30 22	13 57	23 44	23 45	13 44		n.a.
S 25	11 10	12 45	4 41	19 3	2 13	8 16	1 57	23 45	4 12	19 20	0 13	9 32	2 11	1 46	0 40	8 28	1 54	30 22	13 57	23 44	23 45	13 41		n.a.
S 26	10 49	7 2	5 2	18 33	2 13	8 45	2 2	23 47	4 10	19 21	0 13	9 29	2 11	1 45	0 40	8 29	1 54	30 22	13 57	23 44	23 45	13 39		n.a.
M27	10 27	0 59	5 1	18 1	2 13	9 14	2 6	23 49	4 8	19 23	0 13	9 26	2 11	1 44	0 40	8 29	1 54	30 21	13 57	23 45	23 45	13 37		n.a.
T 28	10s 6	4n59	4s40	17s28	2s12	9n43	2n11	23n50	4n 5	19n25	0s13	9s23	2s11	1s43	0s40	8n30	1s54	30s21	13s58	23n45	23n45	13n35		n.a.

Julian Day Number = 1568414.5, Delta T = 04h19m22s
Ecliptic obliquity = 23°44'45, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'27, Lahiri = - 9°44'27 Julian Calendar 1 Feb. 419 BCE == Greg. Calendar 27 Jan. 419 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

MARCH 419 BCE (-418) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 12 39	5♓11'00	7♉56	20♒37	20♈29	2°R18	26♉35	11♓31	27♓19	26♈18	13♒19	0°R46	29♊49	6♍43	n.a.	W 1
T 2	10 16 35	6°10'01	21°40	22°24	21°31	2♌ 5	26°42	11°39	27°23	26°20	13°20	0♋43	29°45	6°50	n.a.	T 2
F 3	10 20 32	7° 9'00	4♊57	24°13	22°33	1°53	26°48	11°47	27°26	26°21	13°22	0°D42	29°42	6°57	n.a.	F 3
S 4	10 24 28	8° 7'57	17°49	26° 3	23°34	1°42	26°55	11°54	27°29	26°23	13°23	0°42	29°39	7° 3	n.a.	S 4
S 5	10 28 25	9° 6'52	0♋21	27°55	24°35	1°32	27° 2	12° 2	27°32	26°24	13°25	0°R43	29°36	7°10	n.a.	S 5
M 6	10 32 22	10° 5'44	12°37	29°48	25°36	1°23	27° 9	12°10	27°36	26°26	13°26	0°42	29°33	7°17	n.a.	M 6
T 7	10 36 18	11° 4'34	24°42	1♓42	26°37	1°14	27°16	12°17	27°39	26°28	13°28	0°39	29°30	7°23	n.a.	T 7
W 8	10 40 15	12° 3'21	6♌39	3°38	27°37	1° 7	27°24	12°25	27°42	26°29	13°29	0°34	29°26	7°30	n.a.	W 8
T 9	10 44 11	13° 2'06	18°32	5°36	28°36	1° 0	27°31	12°33	27°46	26°31	13°30	0°26	29°23	7°37	n.a.	T 9
F 10	10 48 8	14° 0'49	0♍23	7°34	29°36	0°53	27°39	12°40	27°49	26°33	13°32	0°16	29°20	7°44	n.a.	F 10
S 11	10 52 4	14°59'30	12°15	9°35	0♉34	0°48	27°46	12°48	27°52	26°35	13°33	0° 3	29°17	7°50	n.a.	S 11
S 12	10 56 1	15°58'08	24° 9	11°36	1°33	0°43	27°54	12°56	27°56	26°36	13°35	29♊49	29°14	7°57	n.a.	S 12
M13	10 59 57	16°56'45	6♎ 5	13°39	2°30	0°40	28° 2	13° 3	27°59	26°38	13°36	29°36	29°10	8° 4	n.a.	M13
T 14	11 3 54	17°55'19	18° 7	15°42	3°28	0°37	28°10	13°11	28° 2	26°40	13°37	29°23	29° 7	8°10	n.a.	T 14
W15	11 7 50	18°53'52	0♏15	17°47	4°25	0°34	28°18	13°19	28° 6	26°42	13°39	29°13	29° 4	8°17	n.a.	W15
T 16	11 11 47	19°52'23	12°31	19°53	5°21	0°33	28°27	13°26	28° 9	26°44	13°40	29° 6	29° 1	8°24	n.a.	T 16
F 17	11 15 44	20°50'52	24°59	21°59	6°17	0°32	28°35	13°34	28°13	26°46	13°41	29° 1	28°58	8°31	n.a.	F 17
S 18	11 19 40	21°49'19	7♐41	24° 6	7°12	0°D32	28°44	13°42	28°16	26°48	13°43	28°59	28°55	8°37	n.a.	S 18
S 19	11 23 37	22°47'45	20°42	26°14	8° 7	0°33	28°53	13°49	28°20	26°49	13°44	28°58	28°51	8°44	n.a.	S 19
M20	11 27 33	23°46'09	4♑ 5	28°21	9° 1	0°34	29° 1	13°57	28°23	26°51	13°45	28°58	28°48	8°51	n.a.	M20
T 21	11 31 30	24°44'32	17°52	0♈29	9°54	0°36	29°10	14° 5	28°26	26°53	13°47	28°58	28°45	8°57	n.a.	T 21
W22	11 35 26	25°42'52	2♒ 7	2°35	10°47	0°39	29°19	14°12	28°30	26°55	13°48	28°55	28°42	9° 4	n.a.	W22
T 23	11 39 23	26°41'12	16°46	4°42	11°39	0°43	29°29	14°20	28°33	26°57	13°49	28°50	28°39	9°11	n.a.	T 23
F 24	11 43 19	27°39'29	1♓46	6°47	12°31	0°47	29°38	14°27	28°37	26°59	13°50	28°42	28°35	9°18	n.a.	F 24
S 25	11 47 16	28°37'44	16°59	8°51	13°22	0°52	29°47	14°35	28°40	27° 1	13°52	28°32	28°32	9°24	n.a.	S 25
S 26	11 51 13	29°35'58	2♈14	10°53	14°12	0°58	29°57	14°43	28°44	27° 3	13°53	28°21	28°29	9°31	n.a.	S 26
M27	11 55 9	0♈34'10	17°21	12°53	15° 1	1° 4	0♊ 6	14°50	28°47	27° 5	13°54	28°10	28°26	9°38	n.a.	M27
T 28	11 59 6	1°32'20	2♉ 8	14°51	15°50	1°11	0°16	14°58	28°50	27° 7	13°55	28° 0	28°23	9°44	n.a.	T 28
W29	12 3 2	2°30'28	16°30	16°46	16°38	1°19	0°26	15° 5	28°54	27°10	13°56	27°53	28°20	9°51	n.a.	W29
T 30	12 6 59	3°28'34	0♊23	18°39	17°25	1°27	0°36	15°12	28°57	27°12	13°57	27°49	28°16	9°58	n.a.	T 30
F 31	12 10 55	4♈26'37	13♊46	20♈28	18♉11	1♌36	0♊46	15♓20	29♓ 1	27♈14	13♒58	27♊47	28♊13	10♍ 5	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	9s44	10n30	4s 3	16s52	2s11	10n12	2n16	23n51	4n 3	19n26	0s13	9s21	2s11	1s41	0s40	8n30	1s54	30s21	13s58	23n45	23n45	13n33			n.a.
T 2	9 22	15 19	3 12	16 16	2 10	10 40	2 21	23 51	4 1	19 28	0 12	9 18	2 11	1 40	0 40	8 31	1 54	30 20	13 58	23 45	23 45	13 30			n.a.
F 3	9 0	19 13	2 13	15 37	2 7	11 8	2 26	23 52	3 59	19 30	0 12	9 15	2 11	1 39	0 40	8 32	1 54	30 20	13 58	23 45	23 45	13 28			n.a.
S 4	8 38	22 3	1 8	14 57	2 5	11 35	2 30	23 52	3 56	19 31	0 12	9 12	2 11	1 37	0 40	8 32	1 54	30 20	13 58	23 45	23 45	13 26			n.a.
S 5	8 15	23 43	0 2	14 15	2 2	12 3	2 35	23 52	3 54	19 33	0 12	9 9	2 11	1 36	0 40	8 33	1 54	30 19	13 58	23 45	23 45	13 24			n.a.
M 6	7 53	24 11	1n 3	13 31	1 58	12 30	2 40	23 52	3 51	19 35	0 12	9 6	2 11	1 35	0 40	8 34	1 54	30 19	13 59	23 45	23 45	13 21			n.a.
T 7	7 30	23 29	2 4	12 46	1 54	12 57	2 45	23 52	3 49	19 37	0 12	9 3	2 11	1 33	0 40	8 34	1 54	30 19	13 59	23 45	23 45	13 19			n.a.
W 8	7 8	21 43	2 58	11 59	1 49	13 23	2 49	23 51	3 47	19 39	0 11	9 0	2 11	1 32	0 40	8 35	1 54	30 19	13 59	23 45	23 45	13 17			n.a.
T 9	6 45	19 1	3 45	11 11	1 43	13 49	2 54	23 50	3 44	19 40	0 11	8 57	2 11	1 31	0 40	8 36	1 54	30 18	13 59	23 45	23 45	13 15			n.a.
F 10	6 22	15 32	4 21	10 20	1 37	14 15	2 58	23 49	3 42	19 42	0 11	8 54	2 11	1 29	0 40	8 36	1 54	30 18	13 59	23 45	23 45	13 12			n.a.
S 11	5 59	11 27	4 46	9 29	1 31	14 40	3 3	23 48	3 39	19 44	0 11	8 51	2 11	1 28	0 40	8 37	1 54	30 18	13 59	23 45	23 45	13 10			n.a.
S 12	5 36	6 55	4 59	8 36	1 24	15 5	3 7	23 46	3 37	19 46	0 11	8 48	2 11	1 26	0 40	8 38	1 54	30 18	14 0	23 45	23 45	13 8			n.a.
M13	5 13	2 6	4 58	7 41	1 17	15 30	3 12	23 45	3 34	19 48	0 11	8 45	2 11	1 25	0 40	8 38	1 54	30 17	14 0	23 45	23 45	13 6			n.a.
T 14	4 50	2s49	4 45	6 45	1 9	15 54	3 16	23 43	3 32	19 50	0 11	8 42	2 11	1 24	0 40	8 39	1 54	30 17	14 0	23 45	23 45	13 3			n.a.
W15	4 27	7 41	4 18	5 48	1 0	16 18	3 21	23 41	3 29	19 52	0 10	8 39	2 11	1 22	0 40	8 40	1 54	30 17	14 0	23 45	23 45	13 1			n.a.
T 16	4 4	12 19	3 39	4 50	0 51	16 41	3 25	23 39	3 26	19 54	0 10	8 36	2 11	1 21	0 40	8 40	1 53	30 17	14 0	23 45	23 45	12 59			n.a.
F 17	3 40	16 31	2 49	3 51	0 42	17 4	3 29	23 37	3 24	19 56	0 10	8 33	2 11	1 20	0 40	8 41	1 53	30 16	14 1	23 45	23 45	12 57			n.a.
S 18	3 17	20 4	1 50	2 52	0 32	17 26	3 33	23 34	3 21	19 58	0 10	8 30	2 11	1 18	0 40	8 42	1 53	30 16	14 1	23 45	23 44	12 54			n.a.
S 19	2 54	22 41	0 44	1 51	0 22	17 48	3 37	23 31	3 19	20 0	0 10	8 27	2 11	1 17	0 40	8 43	1 53	30 16	14 1	23 45	23 44	12 52			n.a.
M20	2 30	24 8	0s27	0 50	0 11	18 10	3 41	23 29	3 16	20 2	0 10	8 24	2 11	1 15	0 40	8 43	1 53	30 16	14 1	23 45	23 44	12 50			n.a.
T 21	2 7	24 9	1 38	0n11	0 1	18 31	3 45	23 26	3 14	20 4	0 10	8 21	2 11	1 14	0 40	8 44	1 53	30 16	14 2	23 45	23 44	12 47			n.a.
W22	1 43	22 38	2 45	1 12	0n10	18 52	3 49	23 23	3 11	20 7	0 9	8 19	2 11	1 13	0 40	8 45	1 53	30 16	14 2	23 45	23 44	12 45			n.a.
T 23	1 20	19 34	3 44	2 13	0 21	19 12	3 53	23 19	3 9	20 9	0 9	8 16	2 11	1 11	0 40	8 46	1 53	30 15	14 2	23 44	23 44	12 43			n.a.
F 24	0 57	15 9	4 28	3 13	0 32	19 32	3 56	23 16	3 6	20 11	0 9	8 13	2 12	1 10	0 40	8 46	1 53	30 15	14 2	23 44	23 44	12 40			n.a.
S 25	0 33	9 42	4 54	4 13	0 43	19 51	4 0	23 12	3 4	20 13	0 9	8 10	2 12	1 9	0 40	8 47	1 53	30 15	14 3	23 44	23 44	12 38			n.a.
S 26	0 10	3 40	4 59	5 11	0 54	20 10	4 3	23 9	3 1	20 15	0 9	8 7	2 12	1 7	0 40	8 48	1 53	30 15	14 3	23 44	23 44	12 36			n.a.
M27	0n14	2n32	4 44	6 9	1 5	20 28	4 7	23 5	2 59	20 17	0 9	8 4	2 12	1 6	0 40	8 49	1 53	30 15	14 3	23 44	23 44	12 33			n.a.
T 28	0 37	8 29	4 9	7 5	1 15	20 46	4 10	23 1	2 56	20 20	0 9	8 1	2 12	1 4	0 40	8 49	1 53	30 15	14 3	23 44	23 44	12 31			n.a.
W29	1 1	13 48	3 19	7 59	1 25	21 3	4 13	22 57	2 54	20 22	0 9	7 58	2 12	1 3	0 40	8 50	1 53	30 15	14 4	23 44	23 44	12 29			n.a.
T 30	1 24	18 13	2 19	8 51	1 35	21 20	4 16	22 53	2 52	20 24	0 8	7 55	2 12	1 2	0 40	8 51	1 53	30 15	14 4	23 44	23 44	12 26			n.a.
F 31	1n47	21n32	1s13	9n42	1n44	21n36	4n19	22n48	2n49	20n26	0s 8	7s53	2s12	1s 0	0s40	8n52	1s53	30s14	14s 4	23n44	23n44	12n24			n.a.

Julian Day Number = 1568442.5, Delta T = 04h19m21s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'23, Lahiri = - 9°44'23 Julian Calendar 1 March 419 BCE == Greg. Calendar 24 Feb. 419 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

APRIL 419 BCE (-418) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 14 52	5♈24'39	26♊42	22♈14	18♉56	1♌46	0♊56	15♓27	29♓ 4	27♈16	14♒ 0	27°D46	28♊10	10♍11	n.a.	S 1
S 2	12 18 48	6°22'39	9♋16	23°57	19°41	1°56	1° 6	15°35	29° 8	27°18	14° 1	27°R46	28° 7	10°18	n.a.	S 2
M 3	12 22 45	7°20'37	21°31	25°37	20°24	2° 7	1°17	15°42	29°11	27°20	14° 2	27♊46	28° 4	10°25	n.a.	M 3
T 4	12 26 42	8°18'33	3♌34	27°13	21° 6	2°18	1°27	15°49	29°14	27°22	14° 3	27°43	28° 1	10°31	n.a.	T 4
W 5	12 30 38	9°16'27	15°29	28°45	21°48	2°30	1°38	15°57	29°18	27°24	14° 4	27°39	27°57	10°38	n.a.	W 5
T 6	12 34 35	10°14'19	27°20	0♉13	22°28	2°42	1°48	16° 4	29°21	27°27	14° 5	27°31	27°54	10°45	n.a.	T 6
F 7	12 38 31	11°12'10	9♍11	1°38	23° 7	2°55	1°59	16°11	29°25	27°29	14° 6	27°21	27°51	10°52	n.a.	F 7
S 8	12 42 28	12° 9'58	21° 4	2°58	23°45	3° 9	2°10	16°18	29°28	27°31	14° 7	27° 9	27°48	10°58	n.a.	S 8
S 9	12 46 24	13° 7'45	3♎ 2	4°15	24°22	3°23	2°20	16°26	29°31	27°33	14° 8	26°56	27°45	11° 5	n.a.	S 9
M10	12 50 21	14° 5'30	15° 6	5°27	24°57	3°38	2°31	16°33	29°35	27°35	14° 9	26°43	27°41	11°12	n.a.	M10
T 11	12 54 17	15° 3'14	27°17	6°36	25°31	3°53	2°42	16°40	29°38	27°37	14° 9	26°31	27°38	11°18	n.a.	T 11
W12	12 58 14	16° 0'56	9♏36	7°40	26° 4	4° 8	2°53	16°47	29°41	27°40	14°10	26°22	27°35	11°25	n.a.	W12
T 13	13 2 10	16°58'37	22° 4	8°39	26°35	4°24	3° 4	16°54	29°45	27°42	14°11	26°15	27°32	11°32	n.a.	T 13
F 14	13 6 7	17°56'17	4♐43	9°35	27° 5	4°41	3°16	17° 1	29°48	27°44	14°12	26°10	27°29	11°39	n.a.	F 14
S 15	13 10 4	18°53'55	17°34	10°26	27°34	4°58	3°27	17° 8	29°51	27°46	14°13	26° 8	27°26	11°45	n.a.	S 15
S 16	13 14 0	19°51'32	0♑41	11°12	28° 0	5°15	3°38	17°15	29°54	27°49	14°14	26°D 8	27°22	11°52	n.a.	S 16
M17	13 17 57	20°49'09	14° 4	11°54	28°26	5°33	3°50	17°22	29°58	27°51	14°14	26°R 8	27°19	11°59	n.a.	M17
T 18	13 21 53	21°46'44	27°47	12°32	28°49	5°51	4° 1	17°29	0♈ 1	27°53	14°15	26° 8	27°16	12° 5	n.a.	T 18
W19	13 25 50	22°44'18	11♒51	13° 5	29°11	6°10	4°13	17°35	0° 4	27°55	14°16	26° 7	27°13	12°12	n.a.	W19
T 20	13 29 46	23°41'51	26°16	13°33	29°31	6°29	4°25	17°42	0° 7	27°57	14°17	26° 3	27°10	12°19	n.a.	T 20
F 21	13 33 43	24°39'23	10♓58	13°56	29°49	6°49	4°36	17°49	0°11	28° 0	14°17	25°57	27° 7	12°26	n.a.	F 21
S 22	13 37 39	25°36'54	25°52	14°15	0♊ 5	7° 9	4°48	17°55	0°14	28° 2	14°18	25°50	27° 3	12°32	n.a.	S 22
S 23	13 41 36	26°34'24	10♈50	14°29	0°19	7°29	5° 0	18° 2	0°17	28° 4	14°19	25°41	27° 0	12°39	n.a.	S 23
M24	13 45 33	27°31'53	25°43	14°38	0°32	7°50	5°12	18° 9	0°20	28° 6	14°19	25°32	26°57	12°46	n.a.	M24
T 25	13 49 29	28°29'21	10♉22	14°R42	0°42	8°11	5°24	18°15	0°23	28° 9	14°20	25°25	26°54	12°52	n.a.	T 25
W26	13 53 26	29°26'47	24°40	14°42	0°50	8°33	5°36	18°22	0°26	28°11	14°21	25°19	26°51	12°59	n.a.	W26
T 27	13 57 22	0♉24'13	8♊33	14°37	0°56	8°55	5°48	18°28	0°30	28°13	14°21	25°15	26°47	13° 6	n.a.	T 27
F 28	14 1 19	1°21'37	21°59	14°28	0°59	9°17	6° 0	18°34	0°33	28°15	14°22	25°D14	26°44	13°13	n.a.	F 28
S 29	14 5 15	2°19'00	4♋58	14°15	1°R 0	9°40	6°12	18°41	0°36	28°18	14°22	25°15	26°41	13°19	n.a.	S 29
S 30	14 9 12	3♉16'21	17♋36	13♉58	0♊59	10♌ 3	6♊25	18♓47	0♈39	28♈20	14♒23	25♊16	26♊38	13♍26	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n11	23n37	0s 6	10n31	1n53	21n52	4n22	22n44	2n47	20n29	0s 8	7s50	2s12	0s59	0s40	8n53	1s53	30s14	14s 5	23n44	23n44	12n22		n.a.
S 2	2 34	24 25	1n 0	11 17	2 1	22 6	4 24	22 39	2 45	20 31	0 8	7 47	2 12	0 57	0 40	8 53	1 53	30 14	14 5	23 44	23 44	12 19		n.a.
M 3	2 57	24 1	2 2	12 1	2 9	22 21	4 26	22 34	2 42	20 33	0 8	7 44	2 12	0 56	0 40	8 54	1 53	30 14	14 5	23 44	23 44	12 17		n.a.
T 4	3 20	22 28	2 57	12 43	2 15	22 35	4 29	22 30	2 40	20 35	0 8	7 41	2 12	0 55	0 40	8 55	1 53	30 14	14 5	23 44	23 44	12 15		n.a.
W 5	3 43	19 57	3 44	13 22	2 21	22 48	4 31	22 25	2 38	20 38	0 8	7 39	2 13	0 53	0 40	8 56	1 53	30 14	14 6	23 43	23 44	12 12		n.a.
T 6	4 6	16 37	4 21	13 59	2 27	23 1	4 33	22 19	2 35	20 40	0 7	7 36	2 13	0 52	0 40	8 57	1 53	30 14	14 6	23 43	23 44	12 10		n.a.
F 7	4 29	12 38	4 46	14 33	2 31	23 12	4 34	22 14	2 33	20 42	0 7	7 33	2 13	0 51	0 40	8 57	1 53	30 14	14 6	23 43	23 44	12 8		n.a.
S 8	4 52	8 9	4 59	15 5	2 35	23 24	4 36	22 9	2 31	20 44	0 7	7 30	2 13	0 49	0 40	8 58	1 53	30 14	14 7	23 43	23 44	12 5		n.a.
S 9	5 15	3 20	4 59	15 34	2 38	23 35	4 37	22 3	2 29	20 47	0 7	7 28	2 13	0 48	0 40	8 59	1 53	30 14	14 7	23 43	23 44	12 3		n.a.
M10	5 38	1s38	4 46	16 1	2 40	23 45	4 38	21 58	2 26	20 49	0 7	7 25	2 13	0 47	0 40	9 0	1 53	30 14	14 7	23 42	23 44	12 1		n.a.
T 11	6 0	6 37	4 19	16 25	2 41	23 54	4 39	21 52	2 24	20 51	0 7	7 22	2 13	0 45	0 40	9 1	1 53	30 14	14 8	23 42	23 43	11 58		n.a.
W12	6 23	11 24	3 40	16 46	2 41	24 3	4 40	21 46	2 22	20 54	0 7	7 20	2 13	0 44	0 40	9 1	1 53	30 14	14 8	23 42	23 43	11 56		n.a.
T 13	6 45	15 47	2 50	17 5	2 40	24 11	4 40	21 40	2 20	20 56	0 7	7 17	2 14	0 43	0 40	9 2	1 53	30 14	14 8	23 42	23 43	11 53		n.a.
F 14	7 7	19 32	1 51	17 22	2 38	24 18	4 41	21 34	2 18	20 58	0 6	7 14	2 14	0 41	0 40	9 3	1 53	30 14	14 9	23 41	23 43	11 51		n.a.
S 15	7 30	22 24	0 45	17 36	2 36	24 25	4 41	21 28	2 16	21 1	0 6	7 12	2 14	0 40	0 40	9 4	1 53	30 14	14 9	23 41	23 43	11 49		n.a.
S 16	7 52	24 9	0s24	17 47	2 32	24 31	4 40	21 21	2 14	21 3	0 6	7 9	2 14	0 39	0 40	9 5	1 53	30 14	14 9	23 41	23 43	11 46		n.a.
M17	8 14	24 33	1 34	17 56	2 27	24 36	4 40	21 15	2 12	21 5	0 6	7 6	2 14	0 37	0 40	9 5	1 53	30 14	14 10	23 41	23 43	11 44		n.a.
T 18	8 36	23 29	2 40	18 2	2 22	24 41	4 39	21 8	2 10	21 8	0 6	7 4	2 14	0 36	0 40	9 6	1 53	30 14	14 10	23 41	23 43	11 41		n.a.
W19	8 57	20 57	3 38	18 6	2 15	24 44	4 37	21 2	2 8	21 10	0 6	7 1	2 14	0 35	0 40	9 7	1 53	30 15	14 10	23 41	23 43	11 39		n.a.
T 20	9 19	17 3	4 24	18 8	2 7	24 47	4 36	20 55	2 6	21 12	0 6	6 59	2 15	0 33	0 40	9 8	1 53	30 15	14 11	23 41	23 43	11 37		n.a.
F 21	9 40	12 4	4 54	18 7	1 59	24 49	4 34	20 48	2 4	21 14	0 6	6 56	2 15	0 32	0 40	9 9	1 53	30 15	14 11	23 41	23 43	11 34		n.a.
S 22	10 2	6 18	5 4	18 3	1 49	24 51	4 32	20 41	2 2	21 17	0 6	6 54	2 15	0 31	0 40	9 10	1 53	30 15	14 11	23 41	23 43	11 32		n.a.
S 23	10 23	0 9	4 54	17 57	1 38	24 51	4 29	20 33	2 0	21 19	0 5	6 51	2 15	0 30	0 40	9 10	1 53	30 15	14 12	23 40	23 43	11 29		n.a.
M24	10 44	5n59	4 23	17 49	1 27	24 51	4 26	20 26	1 58	21 21	0 5	6 49	2 15	0 28	0 40	9 11	1 53	30 15	14 12	23 40	23 43	11 27		n.a.
T 25	11 4	11 42	3 36	17 38	1 14	24 50	4 22	20 19	1 56	21 24	0 5	6 46	2 15	0 27	0 40	9 12	1 53	30 15	14 12	23 40	23 43	11 24		n.a.
W26	11 25	16 39	2 36	17 25	1 1	24 48	4 19	20 11	1 54	21 26	0 5	6 44	2 16	0 26	0 40	9 13	1 53	30 15	14 13	23 40	23 42	11 22		n.a.
T 27	11 46	20 33	1 28	17 10	0 47	24 45	4 14	20 3	1 52	21 28	0 5	6 42	2 16	0 25	0 40	9 14	1 53	30 16	14 13	23 40	23 42	11 20		n.a.
F 28	12 6	23 13	0 18	16 53	0 32	24 41	4 10	19 56	1 50	21 30	0 5	6 39	2 16	0 23	0 40	9 14	1 53	30 16	14 13	23 40	23 42	11 17		n.a.
S 29	12 26	24 31	0n52	16 35	0 16	24 36	4 5	19 48	1 48	21 33	0 5	6 37	2 16	0 22	0 40	9 15	1 53	30 16	14 14	23 40	23 42	11 15		n.a.
S 30	12n46	24n31	1n57	16n14	0s 0	24n31	3n59	19n40	1n47	21n35	0s 5	6s35	2s16	0s21	0s40	9n16	1s53	30s16	14s14	23n40	23n42	11n12		n.a.

Julian Day Number = 1568473.5, Delta T = 04h19m20s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'19, Lahiri = - 9°44'19 Julian Calendar 1 Apr. 419 BCE == Greg. Calendar 27 March 419 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

MAY 419 BCE (-418) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 13 8	4♉13'42	29♋54	13°R37	0°R56	10♌26	6♊37	18♓53	0♈42	28♈22	14♒23	25°R16	26♊35	13♍33	n.a.	M 1
T 2	14 17 5	5°11'01	11♌59	13♉13	0♊50	10°50	6°49	18°59	0°45	28°24	14°24	25♊16	26°32	13°40	n.a.	T 2
W 3	14 21 2	6° 8'19	23°55	12°46	0°42	11°14	7° 2	19° 5	0°48	28°27	14°24	25°14	26°28	13°46	n.a.	W 3
T 4	14 24 58	7° 5'36	5♍47	12°17	0°31	11°38	7°14	19°12	0°51	28°29	14°24	25°11	26°25	13°53	n.a.	T 4
F 5	14 28 55	8° 2'51	17°39	11°45	0°18	12° 3	7°27	19°17	0°53	28°31	14°25	25° 5	26°22	14° 0	n.a.	F 5
S 6	14 32 51	9° 0'06	29°36	11°13	0° 2	12°28	7°39	19°23	0°56	28°33	14°25	24°58	26°19	14° 6	n.a.	S 6
S 7	14 36 48	9°57'20	11♎39	10°39	29♉44	12°53	7°52	19°29	0°59	28°36	14°25	24°50	26°16	14°13	n.a.	S 7
M 8	14 40 44	10°54'32	23°51	10° 6	29°24	13°19	8° 5	19°35	1° 2	28°38	14°26	24°42	26°12	14°20	n.a.	M 8
T 9	14 44 41	11°51'44	6♏14	9°32	29° 1	13°45	8°17	19°41	1° 5	28°40	14°26	24°35	26° 9	14°27	n.a.	T 9
W10	14 48 37	12°48'56	18°47	9° 0	28°37	14°11	8°30	19°46	1° 8	28°42	14°26	24°29	26° 6	14°33	n.a.	W10
T 11	14 52 34	13°46'06	1♐33	8°29	28°10	14°37	8°43	19°52	1°10	28°44	14°27	24°25	26° 3	14°40	n.a.	T 11
F 12	14 56 31	14°43'17	14°30	8° 0	27°42	15° 4	8°56	19°58	1°13	28°47	14°27	24°22	26° 0	14°47	n.a.	F 12
S 13	15 0 27	15°40'27	27°39	7°33	27°11	15°31	9° 8	20° 3	1°16	28°49	14°27	24°D22	25°57	14°53	n.a.	S 13
S 14	15 4 24	16°37'36	11♑ 1	7°10	26°39	15°58	9°21	20° 8	1°18	28°51	14°27	24°23	25°53	15° 0	n.a.	S 14
M15	15 8 20	17°34'45	24°37	6°50	26° 6	16°25	9°34	20°14	1°21	28°53	14°27	24°24	25°50	15° 7	n.a.	M15
T 16	15 12 17	18°31'54	8♒25	6°33	25°31	16°53	9°47	20°19	1°24	28°55	14°27	24°26	25°47	15°14	n.a.	T 16
W17	15 16 13	19°29'03	22°27	6°21	24°56	17°21	10° 0	20°24	1°26	28°57	14°28	24°R26	25°44	15°20	n.a.	W17
T 18	15 20 10	20°26'11	6♓42	6°12	24°19	17°49	10°13	20°29	1°29	28°59	14°28	24°25	25°41	15°27	n.a.	T 18
F 19	15 24 7	21°23'20	21° 7	6°D 8	23°42	18°18	10°26	20°34	1°31	29° 2	14°28	24°22	25°38	15°34	n.a.	F 19
S 20	15 28 3	22°20'28	5♈38	6° 9	23° 5	18°46	10°39	20°39	1°34	29° 4	14°28	24°19	25°34	15°41	n.a.	S 20
S 21	15 32 0	23°17'36	20°10	6°14	22°27	19°15	10°52	20°44	1°36	29° 6	14°R28	24°14	25°31	15°47	n.a.	S 21
M22	15 35 56	24°14'45	4♉39	6°23	21°50	19°44	11° 5	20°49	1°38	29° 8	14°28	24°10	25°28	15°54	n.a.	M22
T 23	15 39 53	25°11'53	18°56	6°38	21°13	20°14	11°19	20°54	1°41	29°10	14°28	24° 6	25°25	16° 1	n.a.	T 23
W24	15 43 49	26° 9'01	2♊57	6°57	20°36	20°43	11°32	20°59	1°43	29°12	14°28	24° 4	25°22	16° 7	n.a.	W24
T 25	15 47 46	27° 6'08	16°39	7°21	20° 1	21°13	11°45	21° 3	1°45	29°14	14°28	24° 2	25°18	16°14	n.a.	T 25
F 26	15 51 42	28° 3'16	29°59	7°50	19°26	21°43	11°58	21° 8	1°48	29°16	14°27	24°D 2	25°15	16°21	n.a.	F 26
S 27	15 55 39	29° 0'23	12♋57	8°23	18°53	22°14	12°11	21°12	1°50	29°18	14°27	24° 3	25°12	16°28	n.a.	S 27
S 28	15 59 36	29°57'30	25°34	9° 1	18°21	22°44	12°25	21°16	1°52	29°20	14°27	24° 5	25° 9	16°34	n.a.	S 28
M29	16 3 32	0♊54'36	7♌54	9°43	17°50	23°15	12°38	21°21	1°54	29°22	14°27	24° 6	25° 6	16°41	n.a.	M29
T 30	16 7 29	1°51'43	20° 1	10°30	17°22	23°46	12°51	21°25	1°56	29°24	14°27	24° 8	25° 3	16°48	n.a.	T 30
W31	16 11 25	2♊48'49	1♍59	11♉21	16♉55	24♌17	13♊ 5	21♓29	1♈58	29♈26	14♒27	24°R 8	24♊59	16♍54	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	13n 5	23n17	2n55	15n52	0s17	24n24	3n53	19n32	1n45	21n37	0s 4	6s32	2s16	0s20	0s40	9n17	1s53	30s16	14s14	23n40	23n42	11n10			n.a.
T 2	13 25	21 0	3 44	15 28	0 34	24 16	3 46	19 23	1 43	21 39	0 4	6 30	2 17	0 19	0 40	9 18	1 53	30 16	14 15	23 40	23 42	11 7			n.a.
W 3	13 44	17 51	4 23	15 4	0 51	24 8	3 39	19 15	1 41	21 42	0 4	6 28	2 17	0 17	0 40	9 18	1 53	30 17	14 15	23 40	23 42	11 5			n.a.
T 4	14 3	13 59	4 50	14 39	1 8	23 58	3 32	19 6	1 39	21 44	0 4	6 26	2 17	0 16	0 40	9 19	1 53	30 17	14 15	23 39	23 42	11 2			n.a.
F 5	14 22	9 36	5 5	14 13	1 25	23 47	3 23	18 58	1 38	21 46	0 4	6 23	2 17	0 15	0 40	9 20	1 53	30 17	14 16	23 39	23 42	11 0			n.a.
S 6	14 41	4 50	5 6	13 47	1 41	23 35	3 15	18 49	1 36	21 48	0 4	6 21	2 17	0 14	0 40	9 21	1 53	30 17	14 16	23 39	23 42	10 58			n.a.
S 7	14 59	0s 9	4 54	13 21	1 58	23 22	3 6	18 40	1 34	21 50	0 4	6 19	2 18	0 13	0 40	9 22	1 53	30 18	14 17	23 39	23 42	10 55			n.a.
M 8	15 17	5 12	4 29	12 55	2 14	23 8	2 56	18 31	1 33	21 53	0 4	6 17	2 18	0 12	0 40	9 22	1 53	30 18	14 17	23 38	23 41	10 53			n.a.
T 9	15 35	10 8	3 51	12 30	2 29	22 53	2 46	18 22	1 31	21 55	0 4	6 15	2 18	0 11	0 40	9 23	1 53	30 18	14 17	23 38	23 41	10 50			n.a.
W10	15 53	14 44	3 1	12 7	2 43	22 37	2 35	18 12	1 29	21 57	0 3	6 13	2 18	0 9	0 40	9 24	1 53	30 18	14 18	23 38	23 41	10 48			n.a.
T 11	16 10	18 46	2 1	11 44	2 56	22 21	2 24	18 3	1 28	21 59	0 3	6 11	2 18	0 8	0 40	9 25	1 53	30 19	14 18	23 38	23 41	10 45			n.a.
F 12	16 28	21 57	0 53	11 23	3 8	22 3	2 12	17 54	1 26	22 1	0 3	6 9	2 19	0 7	0 40	9 25	1 53	30 19	14 18	23 37	23 41	10 43			n.a.
S 13	16 45	24 1	0s18	11 4	3 19	21 44	2 0	17 44	1 24	22 3	0 3	6 7	2 19	0 6	0 40	9 26	1 53	30 19	14 19	23 37	23 41	10 40			n.a.
S 14	17 1	24 46	1 29	10 47	3 29	21 24	1 48	17 34	1 23	22 5	0 3	6 5	2 19	0 5	0 40	9 27	1 53	30 19	14 19	23 38	23 41	10 38			n.a.
M15	17 18	24 3	2 37	10 33	3 37	21 4	1 35	17 24	1 21	22 7	0 3	6 3	2 19	0 4	0 40	9 28	1 53	30 20	14 19	23 38	23 41	10 35			n.a.
T 16	17 34	21 52	3 37	10 20	3 45	20 43	1 22	17 14	1 20	22 9	0 3	6 1	2 20	0 3	0 40	9 28	1 53	30 20	14 20	23 38	23 41	10 33			n.a.
W17	17 50	18 22	4 25	10 11	3 51	20 21	1 9	17 4	1 18	22 11	0 3	5 59	2 20	0 2	0 40	9 29	1 53	30 20	14 20	23 38	23 41	10 30			n.a.
T 18	18 5	13 45	4 57	10 3	3 56	19 59	0 55	16 54	1 17	22 13	0 3	5 57	2 20	0 1	0 40	9 30	1 53	30 21	14 21	23 38	23 40	10 28			n.a.
F 19	18 20	8 19	5 11	9 59	3 59	19 36	0 41	16 44	1 15	22 15	0 2	5 55	2 20	0 0	0 40	9 31	1 53	30 21	14 21	23 37	23 40	10 25			n.a.
S 20	18 35	2 24	5 6	9 57	4 1	19 13	0 27	16 33	1 14	22 17	0 2	5 54	2 20	0n 1	0 40	9 31	1 53	30 21	14 21	23 37	23 40	10 23			n.a.
S 21	18 50	3n39	4 41	9 58	4 2	18 50	0 13	16 23	1 12	22 19	0 2	5 52	2 21	0 2	0 40	9 32	1 53	30 22	14 22	23 37	23 40	10 20			n.a.
M22	19 4	9 30	3 58	10 1	4 2	18 27	0s 1	16 12	1 11	22 21	0 2	5 50	2 21	0 3	0 40	9 33	1 53	30 22	14 22	23 37	23 40	10 18			n.a.
T 23	19 19	14 47	3 0	10 7	4 1	18 3	0 15	16 1	1 9	22 23	0 2	5 49	2 21	0 4	0 40	9 34	1 53	30 22	14 22	23 37	23 40	10 15			n.a.
W24	19 32	19 10	1 53	10 15	3 58	17 40	0 29	15 50	1 8	22 25	0 2	5 47	2 21	0 5	0 40	9 34	1 53	30 23	14 23	23 37	23 40	10 13			n.a.
T 25	19 46	22 24	0 40	10 26	3 55	17 17	0 42	15 39	1 6	22 27	0 2	5 45	2 22	0 5	0 40	9 35	1 53	30 23	14 23	23 37	23 40	10 10			n.a.
F 26	19 59	24 17	0n33	10 40	3 51	16 55	0 56	15 28	1 5	22 29	0 2	5 44	2 22	0 6	0 40	9 36	1 53	30 24	14 24	23 37	23 40	10 7			n.a.
S 27	20 12	24 48	1 42	10 55	3 46	16 33	1 9	15 17	1 3	22 31	0 2	5 42	2 22	0 7	0 40	9 36	1 53	30 24	14 24	23 37	23 39	10 5			n.a.
S 28	20 24	24 0	2 45	11 13	3 40	16 12	1 22	15 5	1 2	22 33	0 2	5 41	2 22	0 8	0 40	9 37	1 53	30 24	14 24	23 37	23 39	10 2			n.a.
M29	20 36	22 2	3 38	11 33	3 33	15 51	1 35	14 54	1 0	22 35	0 1	5 39	2 23	0 9	0 40	9 38	1 53	30 25	14 25	23 37	23 39	10 0			n.a.
T 30	20 48	19 7	4 21	11 55	3 25	15 31	1 47	14 42	0 59	22 37	0 1	5 38	2 23	0 10	0 40	9 38	1 53	30 25	14 25	23 37	23 39	9 57			n.a.
W31	20n59	15n26	4n52	12n19	3s17	15n12	1s59	14n30	0n58	22n38	0s 1	5s36	2s23	0n11	0s40	9n39	1s53	30s26	14s25	23n37	23n39	9n55			n.a.

Julian Day Number = 1568503.5, Delta T = 04h19m19s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'15, Lahiri = - 9°44'14 Julian Calendar 1 May 419 BCE == Greg. Calendar 26 Apr. 419 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

JUNE 419 BCE (-418) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 15 22	3♊45'54	13♍53	12♉17	16°R30	24♌48	13♊18	21♓33	2♈ 0	29♈28	14°R26	24°R 8	24♊56	17♍ 1	n.a.	T 1
F 2	16 19 18	4°43'00	25°47	13°17	16♉ 7	25°20	13°31	21°37	2° 2	29°30	14♒26	24♊ 6	24°53	17° 8	n.a.	F 2
S 3	16 23 15	5°40'05	7♎45	14°21	15°47	25°51	13°45	21°41	2° 4	29°32	14°26	24° 4	24°50	17°15	n.a.	S 3
S 4	16 27 11	6°37'11	19°53	15°30	15°29	26°23	13°58	21°45	2° 6	29°34	14°25	24° 2	24°47	17°21	n.a.	S 4
M 5	16 31 8	7°34'16	2♏11	16°42	15°13	26°55	14°11	21°48	2° 8	29°35	14°25	23°59	24°44	17°28	n.a.	M 5
T 6	16 35 5	8°31'21	14°44	17°59	14°59	27°28	14°25	21°52	2°10	29°37	14°25	23°57	24°40	17°35	n.a.	T 6
W 7	16 39 1	9°28'27	27°32	19°20	14°48	28° 0	14°38	21°55	2°12	29°39	14°24	23°56	24°37	17°42	n.a.	W 7
T 8	16 42 58	10°25'33	10♐36	20°45	14°39	28°33	14°52	21°59	2°13	29°41	14°24	23°55	24°34	17°48	n.a.	T 8
F 9	16 46 54	11°22'39	23°55	22°13	14°33	29° 5	15° 5	22° 2	2°15	29°43	14°23	23°D54	24°31	17°55	n.a.	F 9
S 10	16 50 51	12°19'46	7♑29	23°46	14°29	29°38	15°18	22° 5	2°17	29°45	14°23	23°54	24°28	18° 2	n.a.	S 10
S 11	16 54 47	13°16'53	21°15	25°22	14°D28	0♍11	15°32	22° 8	2°18	29°46	14°23	23°55	24°24	18° 8	n.a.	S 11
M12	16 58 44	14°14'01	5♒12	27° 1	14°28	0°45	15°45	22°11	2°20	29°48	14°22	23°56	24°21	18°15	n.a.	M12
T 13	17 2 41	15°11'09	19°17	28°45	14°31	1°18	15°59	22°14	2°21	29°50	14°22	23°57	24°18	18°22	n.a.	T 13
W14	17 6 37	16° 8'18	3♓28	0♊31	14°37	1°52	16°12	22°17	2°23	29°51	14°21	23°57	24°15	18°29	n.a.	W14
T 15	17 10 34	17° 5'28	17°42	2°21	14°44	2°26	16°25	22°20	2°24	29°53	14°20	23°R57	24°12	18°35	n.a.	T 15
F 16	17 14 30	18° 2'39	1♈56	4°14	14°54	2°59	16°39	22°23	2°26	29°55	14°20	23°57	24° 9	18°42	n.a.	F 16
S 17	17 18 27	18°59'50	16° 9	6° 9	15° 6	3°34	16°52	22°25	2°27	29°56	14°19	23°57	24° 5	18°49	n.a.	S 17
S 18	17 22 23	19°57'03	0♉17	8° 7	15°19	4° 8	17° 6	22°28	2°28	29°58	14°19	23°56	24° 2	18°55	n.a.	S 18
M19	17 26 20	20°54'16	14°18	10° 7	15°35	4°42	17°19	22°30	2°29	29°59	14°18	23°56	23°59	19° 2	n.a.	M19
T 20	17 30 16	21°51'31	28° 8	12° 9	15°53	5°17	17°32	22°32	2°31	0♉ 1	14°17	23°56	23°56	19° 9	n.a.	T 20
W21	17 34 13	22°48'46	11♊45	14°13	16°12	5°52	17°46	22°34	2°32	0° 3	14°17	23°56	23°53	19°16	n.a.	W21
T 22	17 38 10	23°46'02	25° 7	16°17	16°34	6°26	17°59	22°36	2°33	0° 4	14°16	23°56	23°50	19°22	n.a.	T 22
F 23	17 42 6	24°43'19	8♋12	18°23	16°57	7° 2	18°13	22°38	2°34	0° 6	14°15	23°56	23°46	19°29	n.a.	F 23
S 24	17 46 3	25°40'36	21° 0	20°29	17°21	7°37	18°26	22°40	2°35	0° 7	14°15	23°56	23°43	19°36	n.a.	S 24
S 25	17 49 59	26°37'55	3♌33	22°36	17°48	8°12	18°39	22°42	2°36	0° 8	14°14	23°55	23°40	19°43	n.a.	S 25
M26	17 53 56	27°35'14	15°51	24°43	18°16	8°48	18°53	22°44	2°37	0°10	14°13	23°55	23°37	19°49	n.a.	M26
T 27	17 57 52	28°32'33	27°57	26°49	18°45	9°23	19° 6	22°45	2°38	0°11	14°12	23°54	23°34	19°56	n.a.	T 27
W28	18 1 49	29°29'53	9♍55	28°55	19°16	9°59	19°19	22°47	2°39	0°13	14°11	23°54	23°30	20° 3	n.a.	W28
T 29	18 5 45	0♋27'14	21°49	1♋ 0	19°48	10°35	19°32	22°48	2°39	0°14	14°11	23°54	23°27	20° 9	n.a.	T 29
F 30	18 9 42	1♋24'36	3♎43	3♋ 5	20♉21	11♍11	19♊46	22♓49	2♈40	0♉15	14♒10	23°D54	23♊24	20♍16	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n10	11n10	5n10	12n45	3s 8	14n54	2s10	14n18	0n56	22n40	0s 1	5s35	2s23	0n11	0s40	9n40	1s53	30s26	14s26	23n37	23n39	9n52		n.a.
F 2	21 21	6 30	5 15	13 12	2 58	14 37	2 22	14 6	0 55	22 42	0 1	5 34	2 24	0 12	0 41	9 40	1 53	30 26	14 26	23 37	23 39	9 50		n.a.
S 3	21 32	1 34	5 6	13 41	2 48	14 21	2 32	13 54	0 54	22 44	0 1	5 32	2 24	0 13	0 41	9 41	1 53	30 27	14 26	23 37	23 39	9 47		n.a.
S 4	21 42	3s30	4 44	14 11	2 38	14 6	2 42	13 42	0 52	22 45	0 1	5 31	2 24	0 14	0 41	9 42	1 53	30 27	14 27	23 37	23 38	9 44		n.a.
M 5	21 51	8 31	4 8	14 42	2 27	13 52	2 52	13 30	0 51	22 47	0 1	5 30	2 25	0 14	0 41	9 42	1 53	30 28	14 27	23 36	23 38	9 42		n.a.
T 6	22 0	13 17	3 20	15 15	2 15	13 39	3 1	13 17	0 50	22 49	0 1	5 29	2 25	0 15	0 41	9 43	1 53	30 28	14 27	23 36	23 38	9 39		n.a.
W 7	22 9	17 35	2 21	15 48	2 3	13 28	3 10	13 5	0 48	22 50	0 0	5 28	2 25	0 16	0 41	9 44	1 53	30 29	14 28	23 36	23 38	9 37		n.a.
T 8	22 18	21 7	1 13	16 23	1 51	13 18	3 18	12 52	0 47	22 52	0 0	5 26	2 25	0 16	0 41	9 44	1 53	30 29	14 28	23 36	23 38	9 34		n.a.
F 9	22 26	23 36	0s 0	16 58	1 39	13 8	3 25	12 39	0 46	22 54	0 0	5 25	2 26	0 17	0 41	9 45	1 53	30 29	14 28	23 36	23 38	9 32		n.a.
S 10	22 34	24 46	1 14	17 33	1 27	13 0	3 33	12 26	0 44	22 55	0 0	5 24	2 26	0 18	0 41	9 45	1 53	30 30	14 29	23 36	23 38	9 29		n.a.
S 11	22 41	24 26	2 26	18 9	1 14	12 53	3 39	12 13	0 43	22 57	0 0	5 23	2 26	0 18	0 41	9 46	1 53	30 30	14 29	23 36	23 38	9 26		n.a.
M12	22 48	22 35	3 29	18 45	1 2	12 48	3 46	12 0	0 42	22 58	0n 0	5 22	2 26	0 19	0 41	9 47	1 54	30 31	14 29	23 36	23 37	9 24		n.a.
T 13	22 55	19 21	4 21	19 20	0 49	12 43	3 51	11 47	0 41	23 0	0 0	5 22	2 27	0 20	0 41	9 47	1 54	30 31	14 30	23 36	23 37	9 21		n.a.
W14	23 1	14 58	4 57	19 55	0 37	12 40	3 57	11 34	0 39	23 1	0 0	5 21	2 27	0 20	0 41	9 48	1 54	30 32	14 30	23 36	23 37	9 19		n.a.
T 15	23 7	9 44	5 15	20 30	0 24	12 37	4 2	11 20	0 38	23 3	0 0	5 20	2 27	0 21	0 41	9 48	1 54	30 32	14 30	23 36	23 37	9 16		n.a.
F 16	23 12	4 0	5 14	21 4	0 12	12 36	4 6	11 7	0 37	23 4	0 0	5 19	2 28	0 21	0 41	9 49	1 54	30 33	14 31	23 36	23 37	9 13		n.a.
S 17	23 17	1n56	4 53	21 36	0 0	12 35	4 10	10 53	0 36	23 6	0 1	5 18	2 28	0 22	0 41	9 49	1 54	30 33	14 31	23 36	23 37	9 11		n.a.
S 18	23 22	7 44	4 15	22 7	0n11	12 35	4 14	10 39	0 35	23 7	0 1	5 18	2 28	0 22	0 41	9 50	1 54	30 34	14 31	23 36	23 37	9 8		n.a.
M19	23 26	13 7	3 22	22 37	0 22	12 37	4 17	10 25	0 33	23 9	0 1	5 17	2 28	0 23	0 41	9 50	1 54	30 34	14 32	23 36	23 36	9 6		n.a.
T 20	23 30	17 45	2 18	23 5	0 33	12 39	4 20	10 11	0 32	23 10	0 1	5 16	2 29	0 23	0 41	9 51	1 54	30 35	14 32	23 36	23 36	9 3		n.a.
W21	23 33	21 23	1 7	23 30	0 43	12 42	4 23	9 57	0 31	23 11	0 1	5 16	2 29	0 24	0 41	9 51	1 54	30 35	14 32	23 36	23 36	9 0		n.a.
T 22	23 36	23 46	0n 7	23 53	0 52	12 46	4 25	9 43	0 30	23 13	0 1	5 15	2 29	0 24	0 41	9 52	1 54	30 36	14 33	23 36	23 36	8 58		n.a.
F 23	23 38	24 47	1 18	24 14	1 1	12 51	4 27	9 29	0 29	23 14	0 1	5 15	2 30	0 24	0 41	9 52	1 54	30 36	14 33	23 36	23 36	8 55		n.a.
S 24	23 40	24 28	2 24	24 32	1 9	12 56	4 29	9 15	0 27	23 15	0 1	5 14	2 30	0 25	0 41	9 53	1 54	30 37	14 33	23 36	23 36	8 53		n.a.
S 25	23 42	22 53	3 22	24 48	1 16	13 2	4 30	9 0	0 26	23 17	0 1	5 14	2 30	0 25	0 41	9 53	1 54	30 37	14 33	23 36	23 36	8 50		n.a.
M26	23 43	20 15	4 10	25 1	1 22	13 9	4 31	8 46	0 25	23 18	0 1	5 13	2 30	0 25	0 41	9 54	1 54	30 38	14 34	23 36	23 35	8 47		n.a.
T 27	23 44	16 47	4 45	25 11	1 28	13 16	4 32	8 31	0 24	23 19	0 2	5 13	2 31	0 26	0 41	9 54	1 54	30 38	14 34	23 36	23 35	8 45		n.a.
W28	23 45	12 40	5 7	25 18	1 33	13 24	4 33	8 17	0 23	23 20	0 2	5 13	2 31	0 26	0 41	9 55	1 54	30 39	14 34	23 36	23 35	8 42		n.a.
T 29	23 45	8 7	5 16	25 22	1 38	13 32	4 33	8 2	0 22	23 21	0 2	5 12	2 31	0 26	0 41	9 55	1 54	30 39	14 35	23 36	23 35	8 39		n.a.
F 30	23n44	3n16	5n12	25n24	1n41	13n41	4s33	7n47	0n21	23n23	0n 2	5s12	2s32	0n27	0s41	9n55	1s54	30s40	14s35	23n36	23n35	8n37		n.a.

Julian Day Number = 1568534.5, Delta T = 04h19m17s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'11, Lahiri = - 9°44'10 Julian Calendar 1 June 419 BCE == Greg. Calendar 27 May 419 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

JULY 419 BCE (-418) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 13 39	2♋21'58	15♎41	5♋ 8	20♉56	11♍47	19♊59	22♓50	2♈41	0♉16	14°R 9	23♊54	23♊21	20♍23	n.a.	S 1
S 2	18 17 35	3°19'22	27°49	7°11	21°32	12°23	20°12	22°51	2°41	0°18	14♒ 8	23°54	23°18	20°30	n.a.	S 2
M 3	18 21 32	4°16'46	10♏10	9°12	22° 9	13° 0	20°25	22°52	2°42	0°19	14° 7	23°55	23°15	20°36	n.a.	M 3
T 4	18 25 28	5°14'11	22°48	11°11	22°48	13°36	20°39	22°53	2°43	0°20	14° 6	23°56	23°11	20°43	n.a.	T 4
W 5	18 29 25	6°11'37	5♐46	13°10	23°27	14°13	20°52	22°54	2°43	0°21	14° 5	23°57	23° 8	20°50	n.a.	W 5
T 6	18 33 21	7° 9'04	19° 5	15° 7	24° 8	14°50	21° 5	22°54	2°43	0°22	14° 4	23°R58	23° 5	20°57	n.a.	T 6
F 7	18 37 18	8° 6'32	2♑44	17° 2	24°49	15°27	21°18	22°55	2°44	0°23	14° 3	23°58	23° 2	21° 3	n.a.	F 7
S 8	18 41 14	9° 4'02	16°43	18°56	25°32	16° 4	21°31	22°55	2°44	0°25	14° 2	23°57	22°59	21°10	n.a.	S 8
S 9	18 45 11	10° 1'32	0♒56	20°49	26°16	16°41	21°44	22°56	2°44	0°26	14° 2	23°55	22°56	21°17	n.a.	S 9
M10	18 49 8	10°59'04	15°21	22°40	27° 0	17°18	21°57	22°56	2°45	0°27	14° 1	23°53	22°52	21°23	n.a.	M10
T 11	18 53 4	11°56'38	29°50	24°29	27°46	17°56	22°10	22°R56	2°45	0°28	14° 0	23°51	22°49	21°30	n.a.	T 11
W12	18 57 1	12°54'13	14♓19	26°17	28°32	18°33	22°23	22°56	2°45	0°29	13°58	23°49	22°46	21°37	n.a.	W12
T 13	19 0 57	13°51'50	28°43	28° 4	29°19	19°11	22°36	22°56	2°45	0°29	13°57	23°47	22°43	21°44	n.a.	T 13
F 14	19 4 54	14°49'28	12♈58	29°49	0♊ 7	19°49	22°49	22°56	2°R45	0°30	13°56	23°D47	22°40	21°50	n.a.	F 14
S 15	19 8 50	15°47'08	27° 2	1♌32	0°56	20°27	23° 2	22°55	2°45	0°31	13°55	23°47	22°36	21°57	n.a.	S 15
S 16	19 12 47	16°44'50	10♉53	3°15	1°45	21° 5	23°14	22°55	2°45	0°32	13°54	23°48	22°33	22° 4	n.a.	S 16
M17	19 16 43	17°42'33	24°31	4°55	2°35	21°43	23°27	22°54	2°45	0°33	13°53	23°50	22°30	22°11	n.a.	M17
T 18	19 20 40	18°40'19	7♊56	6°35	3°26	22°21	23°40	22°54	2°45	0°34	13°52	23°51	22°27	22°17	n.a.	T 18
W19	19 24 37	19°38'06	21° 8	8°12	4°18	23° 0	23°53	22°53	2°45	0°34	13°51	23°R52	22°24	22°24	n.a.	W19
T 20	19 28 33	20°35'55	4♋ 7	9°49	5°10	23°38	24° 5	22°52	2°44	0°35	13°50	23°51	22°21	22°31	n.a.	T 20
F 21	19 32 30	21°33'46	16°53	11°24	6° 2	24°17	24°18	22°51	2°44	0°36	13°49	23°50	22°17	22°37	n.a.	F 21
S 22	19 36 26	22°31'38	29°27	12°58	6°56	24°56	24°31	22°50	2°44	0°36	13°48	23°47	22°14	22°44	n.a.	S 22
S 23	19 40 23	23°29'31	11♌50	14°30	7°50	25°35	24°43	22°49	2°43	0°37	13°46	23°42	22°11	22°51	n.a.	S 23
M24	19 44 19	24°27'27	24° 1	16° 1	8°44	26°14	24°56	22°47	2°43	0°37	13°45	23°37	22° 8	22°58	n.a.	M24
T 25	19 48 16	25°25'23	6♍ 4	17°30	9°39	26°53	25° 8	22°46	2°42	0°38	13°44	23°32	22° 5	23° 4	n.a.	T 25
W26	19 52 13	26°23'21	18° 0	18°58	10°35	27°32	25°20	22°45	2°42	0°39	13°43	23°26	22° 2	23°11	n.a.	W26
T 27	19 56 9	27°21'21	29°52	20°24	11°31	28°11	25°33	22°43	2°41	0°39	13°42	23°22	21°58	23°18	n.a.	T 27
F 28	20 0 6	28°19'22	11♎45	21°50	12°28	28°51	25°45	22°41	2°41	0°39	13°41	23°19	21°55	23°25	n.a.	F 28
S 29	20 4 2	29°17'25	23°41	23°13	13°25	29°30	25°57	22°39	2°40	0°40	13°39	23°18	21°52	23°31	n.a.	S 29
S 30	20 7 59	0♌15'29	5♏46	24°35	14°22	0♎10	26° 9	22°38	2°39	0°40	13°38	23°D18	21°49	23°38	n.a.	S 30
M31	20 11 55	1♌13'35	18♏ 5	25♌56	15♊20	0♎50	26♊21	22♓36	2♈38	0♉41	13♒37	23♊19	21♊46	23♍45	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n43	1s44	4n54	25n23	1n44	13n50	4s33	7n32	0n20	23n24	0n 2	5s12	2s32	0n27	0s41	9n56	1s54	30s40	14s35	23n36	23n35	8n34		n.a.
S 2	23 42	6 45	4 23	25 19	1 46	14 0	4 32	7 17	0 18	23 25	0 2	5 12	2 32	0 27	0 41	9 56	1 54	30 41	14 35	23 36	23 34	8 31		n.a.
M 3	23 41	11 35	3 39	25 13	1 48	14 10	4 32	7 2	0 17	23 26	0 2	5 12	2 33	0 27	0 41	9 57	1 55	30 41	14 36	23 36	23 34	8 29		n.a.
T 4	23 38	16 4	2 44	25 4	1 49	14 21	4 31	6 47	0 16	23 27	0 2	5 12	2 33	0 27	0 41	9 57	1 55	30 42	14 36	23 36	23 34	8 26		n.a.
W 5	23 36	19 55	1 39	24 53	1 49	14 31	4 30	6 31	0 15	23 28	0 2	5 12	2 33	0 28	0 41	9 57	1 55	30 42	14 36	23 36	23 34	8 23		n.a.
T 6	23 33	22 51	0 27	24 40	1 48	14 43	4 28	6 16	0 14	23 29	0 3	5 12	2 33	0 28	0 42	9 58	1 55	30 43	14 36	23 36	23 34	8 21		n.a.
F 7	23 30	24 31	0s48	24 25	1 47	14 54	4 27	6 0	0 13	23 30	0 3	5 12	2 34	0 28	0 42	9 58	1 55	30 44	14 37	23 36	23 34	8 18		n.a.
S 8	23 26	24 43	2 2	24 8	1 46	15 6	4 25	5 45	0 12	23 31	0 3	5 12	2 34	0 28	0 42	9 58	1 55	30 44	14 37	23 36	23 33	8 15		n.a.
S 9	23 22	23 18	3 10	23 49	1 44	15 18	4 24	5 29	0 11	23 32	0 3	5 12	2 34	0 28	0 42	9 59	1 55	30 45	14 37	23 36	23 33	8 13		n.a.
M10	23 17	20 22	4 7	23 29	1 41	15 30	4 22	5 14	0 10	23 33	0 3	5 12	2 35	0 28	0 42	9 59	1 55	30 45	14 37	23 36	23 33	8 10		n.a.
T 11	23 12	16 9	4 48	23 6	1 38	15 42	4 20	4 58	0 9	23 34	0 3	5 12	2 35	0 28	0 42	9 59	1 55	30 46	14 38	23 36	23 33	8 7		n.a.
W12	23 7	11 0	5 10	22 43	1 34	15 54	4 17	4 42	0 8	23 35	0 3	5 13	2 35	0 28	0 42	9 59	1 55	30 46	14 38	23 36	23 33	8 5		n.a.
T 13	23 1	5 18	5 14	22 17	1 30	16 7	4 15	4 26	0 7	23 35	0 3	5 13	2 36	0 28	0 42	10 0	1 55	30 47	14 38	23 36	23 33	8 2		n.a.
F 14	22 55	0n38	4 57	21 51	1 26	16 19	4 12	4 10	0 6	23 36	0 3	5 13	2 36	0 28	0 42	10 0	1 55	30 47	14 38	23 36	23 32	7 59		n.a.
S 15	22 48	6 27	4 23	21 23	1 21	16 32	4 10	3 54	0 5	23 37	0 3	5 14	2 36	0 28	0 42	10 0	1 55	30 48	14 38	23 36	23 32	7 57		n.a.
S 16	22 41	11 53	3 35	20 55	1 16	16 45	4 7	3 38	0 4	23 38	0 4	5 14	2 36	0 28	0 42	10 0	1 55	30 48	14 39	23 36	23 32	7 54		n.a.
M17	22 33	16 39	2 34	20 25	1 10	16 57	4 4	3 22	0 3	23 39	0 4	5 15	2 37	0 28	0 42	10 1	1 55	30 49	14 39	23 36	23 32	7 51		n.a.
T 18	22 26	20 29	1 26	19 55	1 5	17 10	4 1	3 6	0 2	23 39	0 4	5 15	2 37	0 28	0 42	10 1	1 55	30 49	14 39	23 36	23 32	7 49		n.a.
W19	22 17	23 12	0 15	19 23	0 58	17 23	3 58	2 50	0 1	23 40	0 4	5 16	2 37	0 28	0 42	10 1	1 55	30 50	14 39	23 36	23 31	7 46		n.a.
T 20	22 9	24 37	0n56	18 51	0 52	17 35	3 55	2 33	0s 0	23 41	0 4	5 16	2 38	0 28	0 42	10 1	1 56	30 50	14 39	23 36	23 31	7 43		n.a.
F 21	22 0	24 42	2 3	18 18	0 45	17 48	3 51	2 17	0 1	23 41	0 4	5 17	2 38	0 28	0 42	10 1	1 56	30 51	14 39	23 36	23 31	7 41		n.a.
S 22	21 50	23 30	3 2	17 45	0 38	18 0	3 48	2 1	0 2	23 42	0 4	5 18	2 38	0 27	0 42	10 2	1 56	30 51	14 40	23 36	23 31	7 38		n.a.
S 23	21 40	21 11	3 52	17 11	0 31	18 13	3 44	1 44	0 3	23 43	0 4	5 18	2 38	0 27	0 42	10 2	1 56	30 52	14 40	23 36	23 31	7 35		n.a.
M24	21 30	17 56	4 31	16 37	0 23	18 25	3 41	1 28	0 4	23 43	0 4	5 19	2 39	0 27	0 42	10 2	1 56	30 52	14 40	23 35	23 31	7 32		n.a.
T 25	21 20	13 59	4 57	16 2	0 16	18 37	3 37	1 11	0 5	23 44	0 5	5 20	2 39	0 27	0 42	10 2	1 56	30 53	14 40	23 35	23 30	7 30		n.a.
W26	21 9	9 32	5 10	15 27	0 8	18 48	3 33	0 54	0 6	23 44	0 5	5 21	2 39	0 27	0 42	10 2	1 56	30 53	14 40	23 35	23 30	7 27		n.a.
T 27	20 57	4 46	5 9	14 52	0s 0	19 0	3 29	0 38	0 7	23 45	0 5	5 22	2 40	0 26	0 42	10 2	1 56	30 54	14 40	23 35	23 30	7 24		n.a.
F 28	20 46	0s11	4 55	14 17	0 8	19 11	3 25	0 21	0 8	23 46	0 5	5 23	2 40	0 26	0 42	10 2	1 56	30 54	14 40	23 35	23 30	7 22		n.a.
S 29	20 34	5 9	4 29	13 41	0 17	19 22	3 21	0 4	0 9	23 46	0 5	5 24	2 40	0 26	0 42	10 2	1 56	30 55	14 41	23 34	23 30	7 19		n.a.
S 30	20 21	10 0	3 50	13 6	0 25	19 33	3 17	0s13	0 9	23 47	0 5	5 25	2 40	0 25	0 42	10 3	1 56	30 55	14 41	23 34	23 29	7 16		n.a.
M31	20n 9	14s33	3n 0	12n30	0s34	19n44	3s13	0s29	0s10	23n47	0n 5	5s26	2s41	0n25	0s42	10n 3	1s56	30s56	14s41	23n34	23n29	7n13		n.a.

Julian Day Number = 1568564.5, Delta T = 04h19m16s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'07, Lahiri = - 9°44'06 Julian Calendar 1 July 419 BCE == Greg. Calendar 26 June 419 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

AUGUST 419 BCE (-418) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 15 52	2♌11'42	0♐42	27♌15	16♊19	1♎29	26♊33	22°R33	2°R37	0♉41	13°R36	23♊20	21♊42	23♍51	n.a.	T 1
W 2	20 19 48	3° 9'51	13°41	28°32	17°17	2° 9	26°45	22♓31	2♈37	0°41	13♒35	23°22	21°39	23°58	n.a.	W 2
T 3	20 23 45	4° 8'02	27° 6	29°47	18°17	2°49	26°57	22°29	2°36	0°41	13°33	23°R22	21°36	24° 5	n.a.	T 3
F 4	20 27 41	5° 6'14	10♑57	1♍ 1	19°16	3°30	27° 9	22°27	2°35	0°42	13°32	23°21	21°33	24°12	n.a.	F 4
S 5	20 31 38	6° 4'28	25°13	2°13	20°16	4°10	27°21	22°24	2°34	0°42	13°31	23°17	21°30	24°18	n.a.	S 5
S 6	20 35 35	7° 2'44	9♒50	3°23	21°17	4°50	27°33	22°22	2°33	0°42	13°30	23°12	21°27	24°25	n.a.	S 6
M 7	20 39 31	8° 1'02	24°40	4°31	22°18	5°31	27°44	22°19	2°32	0°42	13°28	23° 6	21°23	24°32	n.a.	M 7
T 8	20 43 28	8°59'21	9♓37	5°37	23°19	6°11	27°56	22°16	2°30	0°42	13°27	22°59	21°20	24°38	n.a.	T 8
W 9	20 47 24	9°57'43	24°30	6°41	24°20	6°52	28° 7	22°13	2°29	0°42	13°26	22°52	21°17	24°45	n.a.	W 9
T 10	20 51 21	10°56'07	9♈12	7°42	25°22	7°33	28°19	22°10	2°28	0°R42	13°25	22°47	21°14	24°52	n.a.	T 10
F 11	20 55 17	11°54'33	23°38	8°41	26°24	8°13	28°30	22° 7	2°27	0°42	13°23	22°44	21°11	24°59	n.a.	F 11
S 12	20 59 14	12°53'02	7♉43	9°37	27°27	8°54	28°42	22° 4	2°25	0°42	13°22	22°D42	21° 7	25° 5	n.a.	S 12
S 13	21 3 10	13°51'33	21°28	10°30	28°30	9°35	28°53	22° 1	2°24	0°42	13°21	22°42	21° 4	25°12	n.a.	S 13
M14	21 7 7	14°50'06	4♊54	11°21	29°33	10°16	29° 4	21°58	2°23	0°42	13°20	22°43	21° 1	25°19	n.a.	M14
T 15	21 11 4	15°48'42	18° 1	12° 7	0♋36	10°58	29°15	21°55	2°21	0°42	13°18	22°R44	20°58	25°26	n.a.	T 15
W16	21 15 0	16°47'20	0♋54	12°51	1°40	11°39	29°26	21°51	2°20	0°42	13°17	22°44	20°55	25°32	n.a.	W16
T 17	21 18 57	17°46'00	13°33	13°30	2°44	12°20	29°37	21°48	2°18	0°41	13°16	22°42	20°52	25°39	n.a.	T 17
F 18	21 22 53	18°44'42	26° 1	14° 6	3°48	13° 2	29°48	21°44	2°17	0°41	13°15	22°37	20°48	25°46	n.a.	F 18
S 19	21 26 50	19°43'27	8♌20	14°37	4°53	13°44	29°58	21°40	2°15	0°41	13°14	22°30	20°45	25°52	n.a.	S 19
S 20	21 30 46	20°42'13	20°31	15° 3	5°58	14°25	0♋ 9	21°37	2°13	0°40	13°12	22°21	20°42	25°59	n.a.	S 20
M21	21 34 43	21°41'02	2♍35	15°24	7° 3	15° 7	0°20	21°33	2°12	0°40	13°11	22° 9	20°39	26° 6	n.a.	M21
T 22	21 38 39	22°39'53	14°33	15°39	8° 8	15°49	0°30	21°29	2°10	0°40	13°10	21°58	20°36	26°13	n.a.	T 22
W23	21 42 36	23°38'45	26°26	15°49	9°14	16°31	0°40	21°25	2° 8	0°39	13° 9	21°46	20°33	26°19	n.a.	W23
T 24	21 46 33	24°37'40	8♎17	15°R52	10°20	17°13	0°51	21°21	2° 6	0°39	13° 7	21°36	20°29	26°26	n.a.	T 24
F 25	21 50 29	25°36'37	20° 8	15°49	11°26	17°55	1° 1	21°17	2° 5	0°38	13° 6	21°28	20°26	26°33	n.a.	F 25
S 26	21 54 26	26°35'35	2♏ 2	15°38	12°32	18°37	1°11	21°13	2° 3	0°38	13° 5	21°23	20°23	26°40	n.a.	S 26
S 27	21 58 22	27°34'36	14° 4	15°21	13°39	19°20	1°21	21° 9	2° 1	0°37	13° 4	21°20	20°20	26°46	n.a.	S 27
M28	22 2 19	28°33'38	26°19	14°56	14°45	20° 2	1°31	21° 5	1°59	0°37	13° 3	21°D19	20°17	26°53	n.a.	M28
T 29	22 6 15	29°32'42	8♐51	14°23	15°52	20°45	1°41	21° 0	1°57	0°36	13° 1	21°19	20°13	27° 0	n.a.	T 29
W30	22 10 12	0♍31'49	21°46	13°42	16°59	21°27	1°50	20°56	1°55	0°35	13° 0	21°R19	20°10	27° 6	n.a.	W30
T 31	22 14 8	1♍30'57	5♑ 7	12♍55	18♋ 7	22♎10	2♋ 0	20♓52	1♈53	0♉35	12♒59	21♊19	20♊ 7	27♍13	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n55	18s36	2n 0	11n55	0s43	19n54	3s 9	0s46	0s11	23n47	0n 5	5s27	2s41	0n25	0s42	10n 3	1s56	30s56	14s41	23n35	23n29	7n11		n.a.
W 2	19 42	21 52	0 52	11 20	0 52	20 4	3 5	1 3	0 12	23 48	0 5	5 28	2 41	0 24	0 42	10 3	1 56	30 57	14 41	23 35	23 29	7 8		n.a.
T 3	19 28	24 3	0s20	10 45	1 1	20 14	3 0	1 20	0 13	23 48	0 6	5 29	2 41	0 24	0 42	10 3	1 56	30 57	14 41	23 35	23 29	7 5		n.a.
F 4	19 14	24 51	1 34	10 10	1 10	20 23	2 56	1 37	0 14	23 49	0 6	5 30	2 42	0 24	0 42	10 3	1 56	30 58	14 41	23 35	23 28	7 2		n.a.
S 5	19 0	24 3	2 44	9 36	1 19	20 32	2 52	1 54	0 15	23 49	0 6	5 32	2 42	0 23	0 42	10 3	1 57	30 58	14 41	23 34	23 28	7 0		n.a.
S 6	18 45	21 37	3 44	9 2	1 28	20 41	2 47	2 11	0 16	23 49	0 6	5 33	2 42	0 23	0 42	10 3	1 57	30 59	14 41	23 34	23 28	6 57		n.a.
M 7	18 30	17 43	4 31	8 28	1 37	20 49	2 43	2 28	0 17	23 50	0 6	5 34	2 42	0 22	0 42	10 3	1 57	30 59	14 41	23 34	23 28	6 54		n.a.
T 8	18 14	12 40	4 59	7 56	1 46	20 57	2 38	2 45	0 17	23 50	0 6	5 35	2 43	0 22	0 42	10 3	1 57	30 59	14 41	23 33	23 28	6 51		n.a.
W 9	17 59	6 54	5 7	7 23	1 55	21 4	2 34	3 2	0 18	23 50	0 6	5 37	2 43	0 21	0 42	10 3	1 57	31 0	14 42	23 33	23 27	6 49		n.a.
T 10	17 43	0 49	4 55	6 52	2 4	21 11	2 29	3 19	0 19	23 51	0 6	5 38	2 43	0 21	0 43	10 3	1 57	31 0	14 42	23 33	23 27	6 46		n.a.
F 11	17 26	5n12	4 24	6 22	2 13	21 17	2 24	3 36	0 20	23 51	0 7	5 40	2 43	0 20	0 43	10 2	1 57	31 1	14 42	23 33	23 27	6 43		n.a.
S 12	17 10	10 50	3 38	5 52	2 22	21 24	2 20	3 53	0 21	23 51	0 7	5 41	2 44	0 20	0 43	10 2	1 57	31 1	14 42	23 33	23 27	6 40		n.a.
S 13	16 53	15 47	2 40	5 24	2 31	21 29	2 15	4 11	0 22	23 51	0 7	5 42	2 44	0 19	0 43	10 2	1 57	31 2	14 42	23 33	23 26	6 38		n.a.
M14	16 36	19 50	1 34	4 57	2 39	21 34	2 10	4 28	0 22	23 51	0 7	5 44	2 44	0 18	0 43	10 2	1 57	31 2	14 42	23 33	23 26	6 35		n.a.
T 15	16 18	22 47	0 25	4 31	2 48	21 39	2 6	4 45	0 23	23 52	0 7	5 45	2 44	0 18	0 43	10 2	1 57	31 2	14 42	23 33	23 26	6 32		n.a.
W16	16 0	24 28	0n44	4 7	2 56	21 43	2 1	5 2	0 24	23 52	0 7	5 47	2 45	0 17	0 43	10 2	1 57	31 3	14 42	23 33	23 26	6 29		n.a.
T 17	15 42	24 51	1 49	3 45	3 4	21 47	1 56	5 19	0 25	23 52	0 7	5 49	2 45	0 17	0 43	10 2	1 57	31 3	14 42	23 33	23 26	6 27		n.a.
F 18	15 24	23 58	2 48	3 24	3 11	21 50	1 52	5 36	0 26	23 52	0 7	5 50	2 45	0 16	0 43	10 2	1 57	31 4	14 42	23 32	23 25	6 24		n.a.
S 19	15 5	21 55	3 39	3 5	3 18	21 52	1 47	5 53	0 26	23 52	0 8	5 52	2 45	0 15	0 43	10 2	1 57	31 4	14 42	23 32	23 25	6 21		n.a.
S 20	14 47	18 54	4 18	2 49	3 25	21 54	1 42	6 10	0 27	23 52	0 8	5 54	2 45	0 15	0 43	10 1	1 57	31 4	14 42	23 31	23 25	6 18		n.a.
M21	14 27	15 7	4 46	2 35	3 31	21 56	1 38	6 27	0 28	23 53	0 8	5 55	2 45	0 14	0 43	10 1	1 58	31 5	14 42	23 31	23 25	6 16		n.a.
T 22	14 8	10 46	5 0	2 24	3 36	21 57	1 33	6 44	0 29	23 53	0 8	5 57	2 46	0 13	0 43	10 1	1 58	31 5	14 42	23 30	23 24	6 13		n.a.
W23	13 49	6 3	5 2	2 16	3 41	21 57	1 28	7 1	0 29	23 53	0 8	5 59	2 46	0 12	0 43	10 1	1 58	31 5	14 42	23 29	23 24	6 10		n.a.
T 24	13 29	1 7	4 50	2 12	3 45	21 57	1 24	7 19	0 30	23 53	0 8	6 0	2 46	0 12	0 43	10 1	1 58	31 6	14 42	23 29	23 24	6 7		n.a.
F 25	13 9	3s51	4 26	2 10	3 47	21 56	1 19	7 36	0 31	23 53	0 8	6 2	2 46	0 11	0 43	10 0	1 58	31 6	14 42	23 28	23 24	6 4		n.a.
S 26	12 49	8 44	3 51	2 13	3 49	21 55	1 14	7 53	0 32	23 53	0 8	6 4	2 46	0 10	0 43	10 0	1 58	31 6	14 41	23 28	23 24	6 2		n.a.
S 27	12 28	13 20	3 4	2 20	3 49	21 53	1 10	8 9	0 32	23 53	0 9	6 6	2 47	0 9	0 43	10 0	1 58	31 7	14 41	23 28	23 23	5 59		n.a.
M28	12 7	17 29	2 9	2 30	3 48	21 50	1 5	8 26	0 33	23 53	0 9	6 8	2 47	0 9	0 43	10 0	1 58	31 7	14 41	23 27	23 23	5 56		n.a.
T 29	11 47	20 59	1 6	2 46	3 46	21 47	1 1	8 43	0 34	23 53	0 9	6 10	2 47	0 8	0 43	9 59	1 58	31 7	14 41	23 27	23 23	5 53		n.a.
W30	11 26	23 31	0s 2	3 5	3 41	21 43	0 56	9 0	0 35	23 53	0 9	6 11	2 47	0 7	0 43	9 59	1 58	31 8	14 41	23 27	23 23	5 50		n.a.
T 31	11n 4	24s51	1s13	3n29	3s35	21n39	0s52	9s17	0s35	23n53	0n 9	6s13	2s47	0n 6	0s43	9n59	1s58	31s 8	14s41	23n27	23n22	5n48		n.a.

Julian Day Number = 1568595.5, Delta T = 04h19m15s
Ecliptic obliquity = 23°44'46, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°51'02, Lahiri = - 9°44'02 Julian Calendar 1 Aug. 419 BCE == Greg. Calendar 27 July 419 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

SEPTEMBER 419 BCE (-418) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 18 5	2♍30'07	18♉57	12°R 1	19♋14	22♎53	2♋ 9	20°R47	1°R51	0°R34	12°R58	21°R16	20♊ 4	27♍20	n.a.	F 1
S 2	22 22 1	3°29'19	3♒17	11♍ 0	20°22	23°35	2°19	20♓43	1♈49	0♉33	12♒57	21♊11	20° 1	27°27	n.a.	S 2
S 3	22 25 58	4°28'32	18° 3	9°55	21°30	24°18	2°28	20°38	1°47	0°33	12°56	21° 3	19°58	27°33	n.a.	S 3
M 4	22 29 55	5°27'48	3♓ 9	8°47	22°38	25° 1	2°37	20°34	1°45	0°32	12°54	20°53	19°54	27°40	n.a.	M 4
T 5	22 33 51	6°27'06	18°25	7°37	23°46	25°44	2°46	20°29	1°43	0°31	12°53	20°42	19°51	27°47	n.a.	T 5
W 6	22 37 48	7°26'26	3♈39	6°26	24°55	26°28	2°55	20°24	1°40	0°30	12°52	20°32	19°48	27°53	n.a.	W 6
T 7	22 41 44	8°25'49	18°42	5°18	26° 3	27°11	3° 4	20°20	1°38	0°29	12°51	20°23	19°45	28° 0	n.a.	T 7
F 8	22 45 41	9°25'14	3♉24	4°13	27°12	27°54	3°12	20°15	1°36	0°28	12°50	20°16	19°42	28° 7	n.a.	F 8
S 9	22 49 37	10°24'41	17°41	3°14	28°21	28°37	3°21	20°10	1°34	0°27	12°49	20°13	19°39	28°14	n.a.	S 9
S 10	22 53 34	11°24'11	1♊31	2°23	29°31	29°21	3°29	20° 6	1°32	0°26	12°48	20°11	19°35	28°20	n.a.	S 10
M11	22 57 30	12°23'43	14°55	1°40	0♌40	0♏ 4	3°38	20° 1	1°29	0°25	12°47	20°11	19°32	28°27	n.a.	M11
T 12	23 1 27	13°23'18	27°57	1° 7	1°49	0°48	3°46	19°56	1°27	0°24	12°46	20°11	19°29	28°34	n.a.	T 12
W13	23 5 24	14°22'55	10♋39	0°45	2°59	1°32	3°54	19°51	1°25	0°23	12°45	20° 9	19°26	28°41	n.a.	W13
T 14	23 9 20	15°22'34	23° 6	0°34	4° 9	2°15	4° 2	19°47	1°22	0°22	12°44	20° 6	19°23	28°47	n.a.	T 14
F 15	23 13 17	16°22'16	5♌22	0°D34	5°19	2°59	4° 9	19°42	1°20	0°21	12°43	20° 0	19°19	28°54	n.a.	F 15
S 16	23 17 13	17°22'00	17°29	0°45	6°29	3°43	4°17	19°37	1°18	0°20	12°42	19°50	19°16	29° 1	n.a.	S 16
S 17	23 21 10	18°21'47	29°30	1° 6	7°39	4°27	4°25	19°32	1°15	0°19	12°41	19°38	19°13	29° 7	n.a.	S 17
M18	23 25 6	19°21'35	11♍27	1°38	8°50	5°11	4°32	19°27	1°13	0°18	12°40	19°24	19°10	29°14	n.a.	M18
T 19	23 29 3	20°21'26	23°20	2°18	10° 0	5°55	4°39	19°22	1°10	0°16	12°39	19° 9	19° 7	29°21	n.a.	T 19
W20	23 32 59	21°21'18	5♎12	3° 7	11°11	6°40	4°46	19°17	1° 8	0°15	12°38	18°55	19° 4	29°28	n.a.	W20
T 21	23 36 56	22°21'13	17° 4	4° 3	12°22	7°24	4°53	19°13	1° 6	0°14	12°37	18°42	19° 0	29°34	n.a.	T 21
F 22	23 40 52	23°21'09	28°56	5° 6	13°33	8° 8	5° 0	19° 8	1° 3	0°13	12°36	18°31	18°57	29°41	n.a.	F 22
S 23	23 44 49	24°21'08	10♏52	6°15	14°44	8°53	5° 6	19° 3	1° 1	0°11	12°35	18°23	18°54	29°48	n.a.	S 23
S 24	23 48 46	25°21'08	22°56	7°29	15°55	9°37	5°13	18°58	0°58	0°10	12°34	18°18	18°51	29°54	n.a.	S 24
M25	23 52 42	26°21'10	5♐10	8°48	17° 7	10°22	5°19	18°53	0°56	0° 9	12°33	18°16	18°48	0♎ 1	n.a.	M25
T 26	23 56 39	27°21'14	17°38	10°10	18°18	11° 6	5°25	18°49	0°53	0° 7	12°33	18°D16	18°44	0° 8	n.a.	T 26
W27	0 0 35	28°21'20	0♉27	11°36	19°30	11°51	5°31	18°44	0°51	0° 6	12°32	18°R16	18°41	0°15	n.a.	W27
T 28	0 4 32	29°21'27	13°40	13° 4	20°41	12°36	5°37	18°39	0°48	0° 5	12°31	18°15	18°38	0°21	n.a.	T 28
F 29	0 8 28	0♎21'36	27°21	14°35	21°53	13°21	5°43	18°34	0°46	0° 3	12°30	18°13	18°35	0°28	n.a.	F 29
S 30	0 12 25	1♎21'47	11♒32	16♍ 7	23♌ 5	14♏ 6	5♋49	18♓30	0♈43	0♉ 2	12♒29	18♊ 8	18♊32	0♎35	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n43	24s43	2s21	3n58	3s27	21n34	0s47	9s34	0s36	23n53	0n 9	6s15	2s47	0n 5	0s43	9n58	1s58	31s 8	14s41	23n27	23n22	5n45		n.a.
S 2	10 21	22 57	3 23	4 30	3 17	21 29	0 43	9 50	0 37	23 53	0 9	6 17	2 47	0 5	0 43	9 58	1 58	31 8	14 41	23 27	23 22	5 42		n.a.
S 3	10 0	19 37	4 13	5 6	3 5	21 23	0 38	10 7	0 37	23 53	0 9	6 19	2 47	0 4	0 43	9 58	1 58	31 9	14 41	23 26	23 22	5 39		n.a.
M 4	9 38	14 55	4 47	5 45	2 51	21 16	0 34	10 24	0 38	23 53	0 10	6 21	2 48	0 3	0 43	9 57	1 58	31 9	14 41	23 26	23 21	5 36		n.a.
T 5	9 15	9 14	5 1	6 26	2 35	21 8	0 29	10 40	0 39	23 53	0 10	6 23	2 48	0 2	0 43	9 57	1 58	31 9	14 41	23 25	23 21	5 33		n.a.
W 6	8 53	3 0	4 53	7 8	2 18	21 1	0 25	10 57	0 39	23 53	0 10	6 25	2 48	0 1	0 43	9 57	1 58	31 9	14 41	23 24	23 21	5 31		n.a.
T 7	8 31	3n20	4 25	7 51	1 59	20 52	0 21	11 13	0 40	23 53	0 10	6 27	2 48	0 0	0 43	9 56	1 58	31 10	14 40	23 24	23 21	5 28		n.a.
F 8	8 8	9 21	3 40	8 33	1 39	20 43	0 17	11 30	0 41	23 53	0 10	6 29	2 48	0s 1	0 43	9 56	1 59	31 10	14 40	23 23	23 20	5 25		n.a.
S 9	7 46	14 43	2 43	9 13	1 19	20 33	0 12	11 46	0 41	23 53	0 10	6 31	2 48	0 2	0 43	9 56	1 59	31 10	14 40	23 23	23 20	5 22		n.a.
S 10	7 23	19 9	1 37	9 51	0 59	20 23	0 8	12 2	0 42	23 52	0 10	6 33	2 48	0 3	0 43	9 55	1 59	31 10	14 40	23 23	23 20	5 19		n.a.
M11	7 0	22 25	0 28	10 25	0 39	20 12	0 4	12 18	0 43	23 52	0 11	6 34	2 48	0 3	0 43	9 55	1 59	31 11	14 40	23 23	23 20	5 17		n.a.
T 12	6 37	24 25	0n41	10 55	0 19	20 0	0 0	12 34	0 43	23 52	0 11	6 36	2 48	0 4	0 43	9 55	1 59	31 11	14 40	23 23	23 19	5 14		n.a.
W13	6 13	25 4	1 46	11 21	0 0	19 48	0n 4	12 51	0 44	23 52	0 11	6 38	2 48	0 5	0 43	9 54	1 59	31 11	14 40	23 23	23 19	5 11		n.a.
T 14	5 50	24 26	2 44	11 41	0n18	19 35	0 8	13 6	0 45	23 52	0 11	6 40	2 48	0 6	0 43	9 54	1 59	31 11	14 39	23 22	23 19	5 8		n.a.
F 15	5 27	22 38	3 34	11 57	0 34	19 22	0 11	13 22	0 45	23 52	0 11	6 42	2 48	0 7	0 43	9 53	1 59	31 11	14 39	23 22	23 19	5 5		n.a.
S 16	5 3	19 48	4 14	12 7	0 49	19 8	0 15	13 38	0 46	23 52	0 11	6 44	2 48	0 8	0 43	9 53	1 59	31 11	14 39	23 21	23 18	5 2		n.a.
S 17	4 40	16 10	4 41	12 12	1 3	18 54	0 19	13 54	0 46	23 52	0 11	6 46	2 48	0 9	0 43	9 52	1 59	31 11	14 39	23 20	23 18	4 59		n.a.
M18	4 16	11 55	4 56	12 12	1 15	18 39	0 23	14 9	0 47	23 52	0 12	6 48	2 48	0 10	0 43	9 52	1 59	31 12	14 39	23 19	23 18	4 57		n.a.
T 19	3 52	7 14	4 58	12 7	1 26	18 23	0 26	14 25	0 48	23 52	0 12	6 50	2 48	0 11	0 43	9 51	1 59	31 12	14 39	23 18	23 18	4 54		n.a.
W20	3 28	2 18	4 47	11 58	1 35	18 7	0 30	14 40	0 48	23 51	0 12	6 52	2 49	0 12	0 43	9 51	1 59	31 12	14 38	23 17	23 17	4 51		n.a.
T 21	3 4	2s44	4 24	11 45	1 43	17 51	0 33	14 55	0 49	23 51	0 12	6 54	2 49	0 13	0 43	9 50	1 59	31 12	14 38	23 15	23 17	4 48		n.a.
F 22	2 40	7 40	3 49	11 27	1 50	17 33	0 37	15 11	0 49	23 51	0 12	6 56	2 49	0 14	0 43	9 50	1 59	31 12	14 38	23 15	23 17	4 45		n.a.
S 23	2 16	12 22	3 4	11 6	1 55	17 16	0 40	15 26	0 50	23 51	0 12	6 58	2 48	0 15	0 43	9 50	1 59	31 12	14 38	23 14	23 17	4 42		n.a.
S 24	1 52	16 39	2 10	10 42	1 59	16 57	0 43	15 41	0 50	23 51	0 13	7 0	2 48	0 16	0 43	9 49	1 59	31 12	14 38	23 13	23 16	4 40		n.a.
M25	1 28	20 18	1 9	10 15	2 2	16 39	0 47	15 55	0 51	23 51	0 13	7 2	2 48	0 17	0 43	9 49	1 59	31 12	14 37	23 13	23 16	4 37		n.a.
T 26	1 4	23 7	0 3	9 45	2 4	16 20	0 50	16 10	0 51	23 51	0 13	7 3	2 48	0 18	0 43	9 48	1 59	31 12	14 37	23 13	23 16	4 34		n.a.
W27	0 40	24 49	1s 4	9 13	2 4	16 0	0 53	16 25	0 52	23 51	0 13	7 5	2 48	0 19	0 43	9 47	1 59	31 12	14 37	23 13	23 15	4 31		n.a.
T 28	0 16	25 11	2 10	8 39	2 5	15 40	0 56	16 39	0 53	23 51	0 13	7 7	2 48	0 20	0 43	9 47	1 59	31 12	14 37	23 13	23 15	4 28		n.a.
F 29	0s 9	24 5	3 11	8 3	2 4	15 19	0 59	16 53	0 53	23 51	0 13	7 9	2 48	0 21	0 43	9 46	1 59	31 12	14 36	23 13	23 15	4 25		n.a.
S 30	0s33	21s25	4s 3	7n25	2n 2	14n58	1n 1	17s 7	0s54	23n51	0n13	7s11	2s48	0s22	0s43	9n46	1s59	31s12	14s36	23n13	23n15	4n22		n.a.

Julian Day Number = 1568626.5, Delta T = 04h19m14s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'58, Lahiri = - 9°43'58 Julian Calendar 1 Sept. 419 BCE == Greg. Calendar 27 Aug. 419 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

OCTOBER 419 BCE (-418) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 16 21	2♎21'59	26♒11	17♍40	24♌17	14♏51	5♋54	18°R25	0°R41	0°R 0	12°R29	18°R 0	18♊29	0♎42	n.a.	S 1
M 2	0 20 18	3°22'13	11♓14	19°15	25°29	15°36	5°59	18♓21	0♈39	29♈59	12♒28	17♊50	18°25	0°48	n.a.	M 2
T 3	0 24 15	4°22'28	26°33	20°51	26°41	16°21	6° 4	18°16	0°36	29°57	12°27	17°40	18°22	0°55	n.a.	T 3
W 4	0 28 11	5°22'46	11♈55	22°27	27°53	17° 6	6° 9	18°12	0°34	29°56	12°27	17°29	18°19	1° 2	n.a.	W 4
T 5	0 32 8	6°23'05	27° 9	24° 4	29° 6	17°51	6°14	18° 7	0°31	29°54	12°26	17°20	18°16	1° 8	n.a.	T 5
F 6	0 36 4	7°23'26	12♉ 5	25°42	0♍18	18°36	6°18	18° 3	0°29	29°53	12°25	17°13	18°13	1°15	n.a.	F 6
S 7	0 40 1	8°23'50	26°35	27°19	1°31	19°21	6°23	17°58	0°26	29°51	12°25	17° 9	18°10	1°22	n.a.	S 7
S 8	0 43 57	9°24'15	10♊36	28°57	2°43	20° 7	6°27	17°54	0°24	29°50	12°24	17° 7	18° 6	1°29	n.a.	S 8
M 9	0 47 54	10°24'43	24° 9	0♎34	3°56	20°52	6°31	17°50	0°21	29°48	12°24	17°D 7	18° 3	1°35	n.a.	M 9
T 10	0 51 50	11°25'12	7♋14	2°12	5° 9	21°38	6°35	17°45	0°19	29°47	12°23	17°R 8	18° 0	1°42	n.a.	T 10
W11	0 55 47	12°25'44	19°57	3°50	6°22	22°23	6°38	17°41	0°17	29°45	12°23	17° 8	17°57	1°49	n.a.	W11
T 12	0 59 44	13°26'17	2♌21	5°27	7°35	23° 9	6°42	17°37	0°14	29°43	12°22	17° 6	17°54	1°55	n.a.	T 12
F 13	1 3 40	14°26'52	14°32	7° 4	8°48	23°54	6°45	17°33	0°12	29°42	12°22	17° 1	17°50	2° 2	n.a.	F 13
S 14	1 7 37	15°27'30	26°33	8°41	10° 1	24°40	6°48	17°29	0° 9	29°40	12°21	16°54	17°47	2° 9	n.a.	S 14
S 15	1 11 33	16°28'09	8♍28	10°18	11°15	25°26	6°51	17°25	0° 7	29°38	12°21	16°45	17°44	2°16	n.a.	S 15
M16	1 15 30	17°28'49	20°21	11°55	12°28	26°12	6°54	17°21	0° 5	29°37	12°20	16°34	17°41	2°22	n.a.	M16
T 17	1 19 26	18°29'32	2♎12	13°31	13°41	26°58	6°56	17°18	0° 2	29°35	12°20	16°22	17°38	2°29	n.a.	T 17
W18	1 23 23	19°30'15	14° 5	15° 8	14°55	27°43	6°59	17°14	0° 0	29°33	12°20	16°10	17°35	2°36	n.a.	W18
T 19	1 27 19	20°31'01	26° 0	16°44	16° 9	28°29	7° 1	17°10	29♓58	29°32	12°19	16° 0	17°31	2°42	n.a.	T 19
F 20	1 31 16	21°31'48	7♏58	18°19	17°22	29°15	7° 3	17° 7	29°56	29°30	12°19	15°51	17°28	2°49	n.a.	F 20
S 21	1 35 12	22°32'36	20° 3	19°55	18°36	0♐ 2	7° 5	17° 3	29°53	29°28	12°19	15°45	17°25	2°56	n.a.	S 21
S 22	1 39 9	23°33'26	2♐14	21°30	19°50	0°48	7° 6	17° 0	29°51	29°27	12°18	15°42	17°22	3° 3	n.a.	S 22
M23	1 43 6	24°34'17	14°35	23° 5	21° 3	1°34	7° 8	16°56	29°49	29°25	12°18	15°D41	17°19	3° 9	n.a.	M23
T 24	1 47 2	25°35'09	27° 9	24°40	22°17	2°20	7° 9	16°53	29°47	29°23	12°18	15°41	17°16	3°16	n.a.	T 24
W25	1 50 59	26°36'02	9♑59	26°15	23°31	3° 6	7°10	16°50	29°45	29°22	12°18	15°42	17°12	3°23	n.a.	W25
T 26	1 54 55	27°36'56	23° 9	27°50	24°45	3°53	7°11	16°47	29°43	29°20	12°17	15°R43	17° 9	3°30	n.a.	T 26
F 27	1 58 52	28°37'52	6♒41	29°24	25°59	4°39	7°11	16°44	29°41	29°18	12°17	15°43	17° 6	3°36	n.a.	F 27
S 28	2 2 48	29°38'48	20°39	0♏59	27°13	5°25	7°12	16°41	29°39	29°16	12°17	15°41	17° 3	3°43	n.a.	S 28
S 29	2 6 45	0♏39'45	5♓ 1	2°33	28°27	6°12	7°12	16°38	29°36	29°15	12°17	15°37	17° 0	3°50	n.a.	S 29
M30	2 10 42	1°40'42	19°46	4° 7	29°41	6°58	7°R12	16°36	29°35	29°13	12°17	15°31	16°56	3°56	n.a.	M30
T 31	2 14 38	2♏41'41	4♈47	5♏42	0♎56	7♐45	7♋12	16♓33	29♓33	29♈11	12♒17	15♊25	16♊53	4♎ 3	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	0s57	17s19	4s40	6n46	2n 0	14n36	1n 4	17s21	0s54	23n50	0n14	7s13	2s48	0s23	0s43	9n45	1s59	31s12	14s36	23n12	23n14	4n19		n.a.	S 1
M 2	1 21	12 2	4 59	6 6	1 58	14 14	1 7	17 35	0 55	23 50	0 14	7 14	2 48	0 24	0 43	9 45	2 0	31 12	14 36	23 11	23 14	4 17		n.a.	M 2
T 3	1 46	5 56	4 58	5 25	1 55	13 52	1 9	17 49	0 55	23 50	0 14	7 16	2 48	0 25	0 43	9 44	2 0	31 12	14 35	23 10	23 14	4 14		n.a.	T 3
W 4	2 10	0n34	4 35	4 44	1 51	13 29	1 12	18 3	0 56	23 50	0 14	7 18	2 48	0 26	0 43	9 44	2 0	31 12	14 35	23 9	23 14	4 11		n.a.	W 4
T 5	2 34	6 59	3 52	4 1	1 47	13 6	1 14	18 16	0 56	23 50	0 14	7 20	2 48	0 27	0 43	9 43	2 0	31 12	14 35	23 8	23 13	4 8		n.a.	T 5
F 6	2 58	12 53	2 54	3 18	1 43	12 42	1 17	18 29	0 56	23 50	0 14	7 21	2 48	0 28	0 43	9 43	2 0	31 12	14 35	23 7	23 13	4 5		n.a.	F 6
S 7	3 22	17 55	1 47	2 34	1 38	12 18	1 19	18 42	0 57	23 50	0 15	7 23	2 48	0 29	0 43	9 42	2 0	31 12	14 34	23 7	23 13	4 2		n.a.	S 7
S 8	3 46	21 45	0 35	1 50	1 33	11 54	1 21	18 55	0 57	23 50	0 15	7 24	2 48	0 30	0 43	9 41	2 0	31 12	14 34	23 7	23 12	3 59		n.a.	S 8
M 9	4 10	24 14	0n37	1 6	1 28	11 29	1 23	19 8	0 58	23 50	0 15	7 26	2 47	0 31	0 43	9 41	2 0	31 12	14 34	23 7	23 12	3 56		n.a.	M 9
T 10	4 34	25 18	1 45	0 22	1 22	11 4	1 25	19 20	0 58	23 50	0 15	7 28	2 47	0 32	0 43	9 40	2 0	31 12	14 34	23 7	23 12	3 54		n.a.	T 10
W11	4 58	24 58	2 45	0s23	1 16	10 38	1 27	19 33	0 59	23 50	0 15	7 29	2 47	0 33	0 43	9 40	2 0	31 12	14 33	23 7	23 12	3 51		n.a.	W11
T 12	5 22	23 24	3 36	1 7	1 10	10 12	1 29	19 45	0 59	23 50	0 16	7 31	2 47	0 34	0 43	9 39	2 0	31 12	14 33	23 7	23 11	3 48		n.a.	T 12
F 13	5 46	20 46	4 17	1 52	1 4	9 46	1 31	19 57	1 0	23 50	0 16	7 32	2 47	0 35	0 43	9 39	2 0	31 12	14 33	23 6	23 11	3 45		n.a.	F 13
S 14	6 10	17 16	4 45	2 36	0 58	9 20	1 32	20 9	1 0	23 50	0 16	7 34	2 47	0 35	0 43	9 38	2 0	31 11	14 33	23 6	23 11	3 42		n.a.	S 14
S 15	6 33	13 7	5 0	3 20	0 52	8 53	1 34	20 20	1 0	23 50	0 16	7 35	2 47	0 36	0 43	9 37	2 0	31 11	14 32	23 5	23 10	3 39		n.a.	S 15
M16	6 57	8 30	5 3	4 4	0 45	8 26	1 35	20 32	1 1	23 50	0 16	7 36	2 47	0 37	0 43	9 37	2 0	31 11	14 32	23 4	23 10	3 36		n.a.	M16
T 17	7 20	3 34	4 52	4 48	0 39	7 59	1 37	20 43	1 1	23 50	0 16	7 38	2 46	0 38	0 43	9 36	2 0	31 11	14 32	23 2	23 10	3 33		n.a.	T 17
W18	7 44	1s30	4 29	5 32	0 33	7 31	1 38	20 54	1 1	23 50	0 17	7 39	2 46	0 39	0 43	9 36	2 0	31 11	14 31	23 1	23 9	3 30		n.a.	W18
T 19	8 7	6 32	3 54	6 15	0 26	7 3	1 39	21 5	1 2	23 50	0 17	7 40	2 46	0 40	0 43	9 35	2 0	31 11	14 31	23 0	23 9	3 27		n.a.	T 19
F 20	8 30	11 23	3 8	6 58	0 19	6 35	1 40	21 16	1 2	23 50	0 17	7 42	2 46	0 41	0 43	9 34	2 0	31 11	14 31	22 59	23 9	3 24		n.a.	F 20
S 21	8 53	15 51	2 13	7 41	0 13	6 7	1 41	21 26	1 3	23 50	0 17	7 43	2 46	0 42	0 43	9 34	2 0	31 10	14 30	22 58	23 9	3 22		n.a.	S 21
S 22	9 16	19 42	1 12	8 24	0 6	5 39	1 42	21 36	1 3	23 50	0 17	7 44	2 46	0 43	0 43	9 33	2 0	31 10	14 30	22 58	23 8	3 19		n.a.	S 22
M23	9 38	22 45	0 6	9 6	0s 0	5 10	1 43	21 46	1 3	23 51	0 17	7 45	2 45	0 44	0 43	9 33	2 0	31 10	14 30	22 58	23 8	3 16		n.a.	M23
T 24	10 1	24 44	1s 1	9 47	0 7	4 41	1 44	21 56	1 4	23 51	0 18	7 46	2 45	0 44	0 43	9 32	2 0	31 10	14 30	22 58	23 8	3 13		n.a.	T 24
W25	10 23	25 29	2 7	10 28	0 13	4 12	1 45	22 5	1 4	23 51	0 18	7 47	2 45	0 45	0 43	9 31	2 0	31 9	14 29	22 58	23 7	3 10		n.a.	W25
T 26	10 45	24 49	3 8	11 9	0 20	3 43	1 45	22 15	1 4	23 51	0 18	7 48	2 45	0 46	0 43	9 31	2 0	31 9	14 29	22 58	23 7	3 7		n.a.	T 26
F 27	11 8	22 43	4 0	11 49	0 26	3 14	1 46	22 24	1 5	23 51	0 18	7 49	2 45	0 47	0 43	9 30	2 0	31 9	14 29	22 58	23 7	3 4		n.a.	F 27
S 28	11 29	19 12	4 40	12 28	0 33	2 44	1 46	22 33	1 5	23 51	0 18	7 50	2 44	0 48	0 43	9 29	2 0	31 9	14 28	22 58	23 6	3 1		n.a.	S 28
S 29	11 51	14 29	5 3	13 7	0 39	2 15	1 47	22 41	1 5	23 51	0 19	7 51	2 44	0 48	0 43	9 29	2 0	31 8	14 28	22 58	23 6	2 58		n.a.	S 29
M30	12 13	8 48	5 8	13 46	0 45	1 45	1 47	22 50	1 5	23 52	0 19	7 52	2 44	0 49	0 43	9 28	2 0	31 8	14 28	22 57	23 6	2 55		n.a.	M30
T 31	12s34	2s31	4s51	14s23	0s51	1n16	1n47	22s58	1s 6	23n52	0n19	7s53	2s44	0s50	0s43	9n28	2s 0	31s 8	14s27	22n56	23n 5	2n52		n.a.	T 31

Julian Day Number = 1568656.5, Delta T = 04h19m13s
Ecliptic obliquity = 23°44'48, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'54, Lahiri = - 9°43'54 Julian Calendar 1 Oct. 419 BCE == Greg. Calendar 26 Sept. 419 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

NOVEMBER 419 BCE (-418) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 18 35	3♏42'40	19♈57	7♏16	2♎10	8♐31	7°R11	16°R31	29°R31	29°R10	12°D17	15°R18	16♊50	4♎10	n.a.	W 1
T 2	2 22 31	4°43'41	5♉ 4	8°50	3°24	9°18	7♋11	16♓28	29♓29	29♈ 8	12♒17	15♊12	16°47	4°17	n.a.	T 2
F 3	2 26 28	5°44'42	20° 0	10°24	4°38	10° 4	7°10	16°26	29°27	29° 6	12°17	15° 8	16°44	4°23	n.a.	F 3
S 4	2 30 24	6°45'45	4♊35	11°58	5°53	10°51	7° 9	16°24	29°25	29° 5	12°17	15° 6	16°41	4°30	n.a.	S 4
S 5	2 34 21	7°46'49	18°44	13°32	7° 7	11°37	7° 8	16°22	29°23	29° 3	12°17	15°D 6	16°37	4°37	n.a.	S 5
M 6	2 38 17	8°47'54	2♋26	15° 6	8°22	12°24	7° 7	16°20	29°21	29° 1	12°17	15° 7	16°34	4°43	n.a.	M 6
T 7	2 42 14	9°49'00	15°40	16°40	9°36	13°11	7° 5	16°18	29°20	29° 0	12°17	15° 8	16°31	4°50	n.a.	T 7
W 8	2 46 11	10°50'08	28°30	18°14	10°51	13°58	7° 3	16°16	29°18	28°58	12°18	15°10	16°28	4°57	n.a.	W 8
T 9	2 50 7	11°51'16	10♌59	19°48	12° 5	14°44	7° 1	16°14	29°16	28°56	12°18	15°R10	16°25	5° 4	n.a.	T 9
F 10	2 54 4	12°52'25	23°11	21°22	13°20	15°31	6°59	16°13	29°15	28°55	12°18	15°10	16°22	5°10	n.a.	F 10
S 11	2 58 0	13°53'35	5♍12	22°56	14°35	16°18	6°57	16°11	29°13	28°53	12°18	15° 8	16°18	5°17	n.a.	S 11
S 12	3 1 57	14°54'47	17° 6	24°30	15°49	17° 5	6°54	16°10	29°12	28°51	12°18	15° 4	16°15	5°24	n.a.	S 12
M13	3 5 53	15°55'59	28°56	26° 5	17° 4	17°52	6°52	16° 9	29°10	28°50	12°19	15° 0	16°12	5°30	n.a.	M13
T 14	3 9 50	16°57'11	10♎48	27°39	18°19	18°39	6°49	16° 7	29° 9	28°48	12°19	14°54	16° 9	5°37	n.a.	T 14
W15	3 13 46	17°58'25	22°43	29°13	19°33	19°26	6°46	16° 6	29° 7	28°47	12°19	14°49	16° 6	5°44	n.a.	W15
T 16	3 17 43	18°59'39	4♏43	0♐47	20°48	20°13	6°42	16° 5	29° 6	28°45	12°20	14°45	16° 2	5°51	n.a.	T 16
F 17	3 21 40	20° 0'54	16°51	2°21	22° 3	21° 0	6°39	16° 5	29° 5	28°43	12°20	14°41	15°59	5°57	n.a.	F 17
S 18	3 25 36	21° 2'09	29° 8	3°55	23°18	21°47	6°35	16° 4	29° 3	28°42	12°20	14°39	15°56	6° 4	n.a.	S 18
S 19	3 29 33	22° 3'25	11♐35	5°28	24°33	22°34	6°31	16° 3	29° 2	28°40	12°21	14°D38	15°53	6°11	n.a.	S 19
M20	3 33 29	23° 4'41	24°13	7° 2	25°47	23°21	6°27	16° 3	29° 1	28°39	12°21	14°38	15°50	6°17	n.a.	M20
T 21	3 37 26	24° 5'58	7♑ 2	8°35	27° 2	24° 8	6°23	16° 3	29° 0	28°37	12°22	14°39	15°47	6°24	n.a.	T 21
W22	3 41 22	25° 7'14	20° 6	10° 7	28°17	24°55	6°19	16° 2	28°59	28°36	12°22	14°41	15°43	6°31	n.a.	W22
T 23	3 45 19	26° 8'30	3♒24	11°39	29°32	25°42	6°14	16° 2	28°58	28°34	12°23	14°42	15°40	6°38	n.a.	T 23
F 24	3 49 15	27° 9'47	16°58	13°10	0♏47	26°29	6° 9	16°D 2	28°57	28°33	12°23	14°43	15°37	6°44	n.a.	F 24
S 25	3 53 12	28°11'03	0♓49	14°40	2° 2	27°17	6° 4	16° 2	28°56	28°31	12°24	14°R43	15°34	6°51	n.a.	S 25
S 26	3 57 9	29°12'19	14°58	16° 9	3°17	28° 4	5°59	16° 2	28°55	28°30	12°25	14°43	15°31	6°58	n.a.	S 26
M27	4 1 5	0♐13'34	29°21	17°37	4°32	28°51	5°54	16° 3	28°54	28°29	12°25	14°42	15°27	7° 4	n.a.	M27
T 28	4 5 2	1°14'50	13♈57	19° 3	5°47	29°38	5°49	16° 3	28°53	28°27	12°26	14°40	15°24	7°11	n.a.	T 28
W29	4 8 58	2°16'05	28°39	20°27	7° 2	0♑25	5°43	16° 4	28°53	28°26	12°27	14°38	15°21	7°18	n.a.	W29
T 30	4 12 55	3♐17'20	13♉22	21♐48	8♏17	1♑13	5♋38	16♓ 4	28♓52	28♈24	12♒27	14♊37	15♊18	7♎25	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s55	3n58	4s15	15s 1	0s57	0n46	1n47	23s 6	1s 6	23n52	0n19	7s54	2s44	0s51	0s43	9n27	2s 0	31s 8	14s27	22n55	23n 5	2n49		n.a.
T 2	13 16	10 14	3 20	15 37	1 3	0 16	1 47	23 13	1 6	23 52	0 19	7 54	2 43	0 52	0 43	9 26	2 0	31 7	14 27	22 55	23 5	2 46		n.a.
F 3	13 36	15 51	2 12	16 13	1 9	0s14	1 47	23 20	1 6	23 52	0 20	7 55	2 43	0 52	0 42	9 26	2 0	31 7	14 26	22 54	23 5	2 44		n.a.
S 4	13 57	20 24	0 57	16 48	1 14	0 44	1 47	23 28	1 7	23 53	0 20	7 56	2 43	0 53	0 42	9 25	2 0	31 7	14 26	22 54	23 4	2 41		n.a.
S 5	14 17	23 35	0n20	17 22	1 20	1 14	1 47	23 34	1 7	23 53	0 20	7 56	2 43	0 54	0 42	9 25	2 0	31 6	14 26	22 54	23 4	2 38		n.a.
M 6	14 37	25 16	1 33	17 55	1 25	1 44	1 46	23 41	1 7	23 53	0 20	7 57	2 42	0 54	0 42	9 24	2 0	31 6	14 26	22 54	23 4	2 35		n.a.
T 7	14 57	25 27	2 39	18 28	1 30	2 14	1 46	23 47	1 7	23 54	0 20	7 58	2 42	0 55	0 42	9 24	2 0	31 6	14 25	22 54	23 3	2 32		n.a.
W 8	15 16	24 14	3 35	19 0	1 35	2 44	1 46	23 53	1 8	23 54	0 20	7 58	2 42	0 56	0 42	9 23	2 0	31 5	14 25	22 55	23 3	2 29		n.a.
T 9	15 35	21 50	4 19	19 30	1 39	3 14	1 45	23 59	1 8	23 54	0 21	7 58	2 42	0 56	0 42	9 22	2 0	31 5	14 25	22 55	23 3	2 26		n.a.
F 10	15 54	18 31	4 50	20 0	1 44	3 44	1 44	24 5	1 8	23 54	0 21	7 59	2 41	0 57	0 42	9 22	2 0	31 5	14 24	22 55	23 2	2 23		n.a.
S 11	16 13	14 29	5 8	20 29	1 48	4 14	1 44	24 10	1 8	23 55	0 21	7 59	2 41	0 57	0 42	9 21	2 0	31 4	14 24	22 54	23 2	2 20		n.a.
S 12	16 31	9 56	5 12	20 57	1 52	4 43	1 43	24 15	1 8	23 55	0 21	8 0	2 41	0 58	0 42	9 21	2 0	31 4	14 24	22 54	23 2	2 17		n.a.
M13	16 49	5 3	5 3	21 23	1 56	5 13	1 42	24 19	1 9	23 55	0 21	8 0	2 41	0 59	0 42	9 20	2 0	31 3	14 23	22 53	23 1	2 14		n.a.
T 14	17 7	0s 1	4 41	21 49	1 59	5 43	1 41	24 24	1 9	23 56	0 22	8 0	2 40	0 59	0 42	9 20	2 0	31 3	14 23	22 53	23 1	2 11		n.a.
W15	17 24	5 8	4 7	22 13	2 2	6 12	1 40	24 28	1 9	23 56	0 22	8 0	2 40	1 0	0 42	9 19	2 0	31 3	14 23	22 52	23 1	2 8		n.a.
T 16	17 41	10 6	3 22	22 36	2 5	6 42	1 39	24 32	1 9	23 56	0 22	8 0	2 40	1 0	0 42	9 19	2 0	31 2	14 22	22 52	23 0	2 5		n.a.
F 17	17 58	14 45	2 27	22 58	2 7	7 11	1 38	24 35	1 9	23 57	0 22	8 0	2 40	1 1	0 42	9 18	1 59	31 2	14 22	22 51	23 0	2 2		n.a.
S 18	18 15	18 51	1 24	23 19	2 9	7 40	1 37	24 38	1 9	23 57	0 22	8 0	2 39	1 1	0 42	9 17	1 59	31 1	14 22	22 51	23 0	1 59		n.a.
S 19	18 31	22 11	0 17	23 38	2 10	8 9	1 36	24 41	1 9	23 58	0 23	8 0	2 39	1 2	0 42	9 17	1 59	31 1	14 21	22 51	22 59	1 56		n.a.
M20	18 47	24 30	0s53	23 55	2 12	8 38	1 34	24 44	1 10	23 58	0 23	8 0	2 39	1 2	0 42	9 16	1 59	31 1	14 21	22 51	22 59	1 53		n.a.
T 21	19 2	25 34	2 0	24 12	2 12	9 6	1 33	24 47	1 10	23 58	0 23	8 0	2 39	1 3	0 42	9 16	1 59	31 0	14 21	22 51	22 59	1 50		n.a.
W22	19 17	25 14	3 3	24 26	2 12	9 35	1 31	24 49	1 10	23 59	0 23	8 0	2 38	1 3	0 42	9 15	1 59	31 0	14 21	22 51	22 58	1 47		n.a.
T 23	19 32	23 29	3 58	24 39	2 12	10 3	1 30	24 50	1 10	23 59	0 23	8 0	2 38	1 3	0 42	9 15	1 59	30 59	14 20	22 51	22 58	1 45		n.a.
F 24	19 47	20 23	4 40	24 50	2 11	10 31	1 28	24 52	1 10	24 0	0 24	8 0	2 38	1 4	0 42	9 14	1 59	30 59	14 20	22 51	22 58	1 42		n.a.
S 25	20 1	16 5	5 7	25 0	2 9	10 59	1 27	24 53	1 10	24 0	0 24	7 59	2 38	1 4	0 42	9 14	1 59	30 58	14 20	22 52	22 57	1 39		n.a.
S 26	20 14	10 50	5 16	25 7	2 7	11 26	1 25	24 54	1 10	24 0	0 24	7 59	2 37	1 4	0 42	9 13	1 59	30 58	14 19	22 51	22 57	1 36		n.a.
M27	20 28	4 55	5 6	25 13	2 4	11 53	1 23	24 55	1 10	24 1	0 24	7 59	2 37	1 5	0 42	9 13	1 59	30 57	14 19	22 51	22 56	1 33		n.a.
T 28	20 40	1n20	4 36	25 17	2 1	12 20	1 21	24 55	1 10	24 1	0 24	7 58	2 37	1 5	0 42	9 13	1 59	30 57	14 19	22 51	22 56	1 30		n.a.
W29	20 53	7 35	3 48	25 20	1 56	12 47	1 20	24 55	1 10	24 2	0 25	7 58	2 37	1 5	0 42	9 12	1 59	30 56	14 18	22 51	22 56	1 27		n.a.
T 30	21s 5	13n26	2s44	25s20	1s51	13s13	1n18	24s55	1s10	24n 2	0n25	7s57	2s36	1s 5	0s42	9n12	1s59	30s56	14s18	22n51	22n55	1n24		n.a.

Julian Day Number = 1568687.5, Delta T = 04h19m12s
Ecliptic obliquity = 23°44'48, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'50, Lahiri = - 9°43'49 Julian Calendar 1 Nov. 419 BCE == Greg. Calendar 27 Oct. 419 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 419 BCE
geocentric

DECEMBER 419 BCE (-418) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 16 51	4♐18'35	27♉58	23♐ 6	9♏32	2♑ 0	5°R32	16♓ 5	28°R51	28°R23	12♒28	14°R36	15♊15	7♎31	n.a.	F 1
S 2	4 20 48	5°19'50	12♊22	24°22	10°47	2°47	5♋26	16° 6	28♓51	28♈22	12°29	14°D36	15°12	7°38	n.a.	S 2
S 3	4 24 45	6°21'04	26°26	25°33	12° 2	3°34	5°20	16° 7	28°50	28°21	12°29	14♊36	15° 8	7°45	n.a.	S 3
M 4	4 28 41	7°22'19	10♋ 9	26°39	13°17	4°22	5°13	16° 8	28°50	28°19	12°30	14°36	15° 5	7°51	n.a.	M 4
T 5	4 32 38	8°23'34	23°27	27°40	14°32	5° 9	5° 7	16° 9	28°49	28°18	12°31	14°37	15° 2	7°58	n.a.	T 5
W 6	4 36 34	9°24'48	6♌23	28°35	15°47	5°56	5° 0	16°11	28°49	28°17	12°32	14°37	14°59	8° 5	n.a.	W 6
T 7	4 40 31	10°26'03	18°57	29°22	17° 2	6°43	4°54	16°12	28°48	28°16	12°33	14°38	14°56	8°12	n.a.	T 7
F 8	4 44 27	11°27'17	1♍15	0♑ 2	18°17	7°31	4°47	16°14	28°48	28°15	12°34	14°38	14°53	8°18	n.a.	F 8
S 9	4 48 24	12°28'31	13°18	0°33	19°32	8°18	4°40	16°15	28°48	28°13	12°34	14°R38	14°49	8°25	n.a.	S 9
S 10	4 52 20	13°29'45	25°14	0°54	20°47	9° 5	4°33	16°17	28°48	28°12	12°35	14°38	14°46	8°32	n.a.	S 10
M11	4 56 17	14°30'59	7♎ 5	1°R 5	22° 2	9°53	4°26	16°19	28°48	28°11	12°36	14°D38	14°43	8°38	n.a.	M11
T 12	5 0 14	15°32'12	18°57	1° 4	23°17	10°40	4°19	16°21	28°48	28°10	12°37	14°38	14°40	8°45	n.a.	T 12
W13	5 4 10	16°33'25	0♏54	0°52	24°32	11°27	4°12	16°23	28°D48	28° 9	12°38	14°38	14°37	8°52	n.a.	W13
T 14	5 8 7	17°34'38	12°59	0°28	25°47	12°14	4° 4	16°25	28°48	28° 8	12°39	14°39	14°33	8°59	n.a.	T 14
F 15	5 12 3	18°35'51	25°16	29♐52	27° 2	13° 2	3°57	16°28	28°48	28° 7	12°40	14°39	14°30	9° 5	n.a.	F 15
S 16	5 16 0	19°37'02	7♐46	29° 6	28°17	13°49	3°49	16°30	28°48	28° 6	12°41	14°39	14°27	9°12	n.a.	S 16
S 17	5 19 56	20°38'14	20°31	28°10	29°32	14°36	3°42	16°33	28°48	28° 5	12°42	14°R39	14°24	9°19	n.a.	S 17
M18	5 23 53	21°39'24	3♑30	27° 5	0♐47	15°24	3°34	16°35	28°48	28° 5	12°43	14°39	14°21	9°25	n.a.	M18
T 19	5 27 50	22°40'34	16°44	25°54	2° 2	16°11	3°26	16°38	28°48	28° 4	12°44	14°38	14°18	9°32	n.a.	T 19
W20	5 31 46	23°41'43	0♒12	24°39	3°17	16°58	3°18	16°41	28°49	28° 3	12°46	14°37	14°14	9°39	n.a.	W20
T 21	5 35 43	24°42'50	13°52	23°22	4°32	17°46	3°11	16°44	28°49	28° 2	12°47	14°36	14°11	9°46	n.a.	T 21
F 22	5 39 39	25°43'57	27°42	22° 5	5°47	18°33	3° 3	16°47	28°50	28° 1	12°48	14°35	14° 8	9°52	n.a.	F 22
S 23	5 43 36	26°45'02	11♓41	20°51	7° 2	19°20	2°55	16°50	28°50	28° 1	12°49	14°34	14° 5	9°59	n.a.	S 23
S 24	5 47 32	27°46'06	25°47	19°42	8°17	20° 7	2°47	16°53	28°51	28° 0	12°50	14°D33	14° 2	10° 6	n.a.	S 24
M25	5 51 29	28°47'09	9♈59	18°39	9°32	20°55	2°39	16°57	28°51	27°59	12°51	14°33	13°59	10°12	n.a.	M25
T 26	5 55 25	29°48'10	24°13	17°43	10°47	21°42	2°31	17° 0	28°52	27°59	12°53	14°34	13°55	10°19	n.a.	T 26
W27	5 59 22	0♑49'10	8♉28	16°56	12° 2	22°29	2°23	17° 4	28°53	27°58	12°54	14°35	13°52	10°26	n.a.	W27
T 28	6 3 19	1°50'09	22°40	16°17	13°17	23°16	2°15	17° 7	28°53	27°58	12°55	14°37	13°49	10°33	n.a.	T 28
F 29	6 7 15	2°51'06	6♊47	15°47	14°32	24° 3	2° 7	17°11	28°54	27°57	12°56	14°38	13°46	10°39	n.a.	F 29
S 30	6 11 12	3°52'02	20°45	15°26	15°47	24°51	1°59	17°15	28°55	27°56	12°58	14°R38	13°43	10°46	n.a.	S 30
S 31	6 15 8	4♑52'57	4♋30	15♐13	17♐ 2	25♑38	1♋51	17♓19	28♓56	27♈56	12♒59	14♊37	13♊39	10♎53	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21 s17	18n29	1 s31	25 s18	1 s44	13 s39	1n16	24 s54	1 s10	24n 3	0n25	7 s57	2 s36	1 s 6	0 s42	9n11	1 s59	30 s55	14 s18	22n51	22n55	1n21		n.a.
S 2	21 28	22 22	0 12	25 15	1 37	14 5	1 14	24 53	1 10	24 3	0 25	7 56	2 36	1 6	0 42	9 11	1 59	30 55	14 18	22 51	22 55	1 18		n.a.
S 3	21 39	24 47	1n 5	25 9	1 29	14 30	1 12	24 52	1 10	24 4	0 25	7 56	2 35	1 6	0 41	9 10	1 59	30 54	14 17	22 51	22 54	1 15		n.a.
M 4	21 49	25 38	2 17	25 2	1 20	14 55	1 10	24 51	1 10	24 4	0 25	7 55	2 35	1 6	0 41	9 10	1 59	30 54	14 17	22 51	22 54	1 12		n.a.
T 5	21 59	24 57	3 19	24 53	1 9	15 20	1 8	24 49	1 10	24 4	0 26	7 54	2 35	1 6	0 41	9 10	1 59	30 53	14 17	22 51	22 54	1 9		n.a.
W 6	22 9	22 56	4 9	24 42	0 58	15 44	1 5	24 47	1 10	24 5	0 26	7 53	2 35	1 7	0 41	9 9	1 59	30 53	14 16	22 51	22 53	1 6		n.a.
T 7	22 18	19 51	4 46	24 30	0 45	16 8	1 3	24 45	1 10	24 5	0 26	7 53	2 34	1 7	0 41	9 9	1 59	30 52	14 16	22 51	22 53	1 3		n.a.
F 8	22 27	15 58	5 9	24 16	0 31	16 31	1 1	24 42	1 10	24 6	0 26	7 52	2 34	1 7	0 41	9 8	1 59	30 52	14 16	22 51	22 53	1 0		n.a.
S 9	22 35	11 31	5 17	24 0	0 16	16 54	0 59	24 39	1 10	24 6	0 26	7 51	2 34	1 7	0 41	9 8	1 59	30 51	14 16	22 51	22 52	0 57		n.a.
S 10	22 43	6 41	5 12	23 44	0n 0	17 16	0 57	24 36	1 10	24 7	0 27	7 50	2 34	1 7	0 41	9 8	1 59	30 51	14 15	22 51	22 52	0 54		n.a.
M11	22 50	1 38	4 53	23 27	0 18	17 38	0 54	24 33	1 10	24 7	0 27	7 49	2 33	1 7	0 41	9 7	1 58	30 50	14 15	22 51	22 51	0 51		n.a.
T 12	22 57	3 s29	4 22	23 9	0 36	18 0	0 52	24 29	1 10	24 7	0 27	7 48	2 33	1 7	0 41	9 7	1 58	30 50	14 15	22 51	22 51	0 48		n.a.
W13	23 3	8 30	3 40	22 50	0 55	18 21	0 49	24 25	1 10	24 8	0 27	7 47	2 33	1 7	0 41	9 7	1 58	30 49	14 15	22 51	22 51	0 45		n.a.
T 14	23 9	13 17	2 47	22 31	1 14	18 41	0 47	24 20	1 10	24 8	0 27	7 46	2 32	1 7	0 41	9 6	1 58	30 49	14 14	22 51	22 50	0 42		n.a.
F 15	23 15	17 37	1 46	22 11	1 33	19 1	0 45	24 16	1 10	24 9	0 27	7 44	2 32	1 7	0 41	9 6	1 58	30 48	14 14	22 51	22 50	0 39		n.a.
S 16	23 20	21 15	0 38	21 52	1 52	19 21	0 42	24 11	1 10	24 9	0 28	7 43	2 32	1 7	0 41	9 6	1 58	30 48	14 14	22 51	22 50	0 36		n.a.
S 17	23 25	23 56	0 s32	21 33	2 11	19 40	0 40	24 6	1 10	24 9	0 28	7 42	2 32	1 6	0 41	9 6	1 58	30 47	14 14	22 51	22 49	0 33		n.a.
M18	23 29	25 25	1 43	21 15	2 28	19 58	0 37	24 0	1 10	24 10	0 28	7 41	2 31	1 6	0 41	9 5	1 58	30 47	14 13	22 51	22 49	0 30		n.a.
T 19	23 32	25 28	2 49	20 57	2 44	20 16	0 35	23 54	1 10	24 10	0 28	7 39	2 31	1 6	0 41	9 5	1 58	30 46	14 13	22 51	22 49	0 27		n.a.
W20	23 36	24 3	3 46	20 40	2 58	20 33	0 32	23 48	1 10	24 10	0 28	7 38	2 31	1 6	0 41	9 5	1 58	30 45	14 13	22 51	22 48	0 24		n.a.
T 21	23 38	21 13	4 32	20 25	3 10	20 50	0 30	23 42	1 10	24 11	0 28	7 37	2 31	1 6	0 41	9 5	1 58	30 45	14 13	22 51	22 48	0 21		n.a.
F 22	23 41	17 9	5 3	20 11	3 19	21 6	0 27	23 35	1 9	24 11	0 29	7 35	2 30	1 6	0 41	9 4	1 58	30 44	14 13	22 51	22 47	0 18		n.a.
S 23	23 42	12 7	5 16	20 0	3 26	21 22	0 25	23 28	1 9	24 12	0 29	7 34	2 30	1 5	0 41	9 4	1 58	30 44	14 12	22 50	22 47	0 15		n.a.
S 24	23 44	6 26	5 10	19 50	3 31	21 36	0 22	23 21	1 9	24 12	0 29	7 32	2 30	1 5	0 41	9 4	1 58	30 43	14 12	22 50	22 47	0 12		n.a.
M25	23 44	0 22	4 46	19 43	3 33	21 51	0 20	23 14	1 9	24 12	0 29	7 31	2 30	1 5	0 41	9 4	1 58	30 43	14 12	22 50	22 46	0 9		n.a.
T 26	23 45	5n44	4 4	19 38	3 33	22 4	0 17	23 6	1 9	24 12	0 29	7 29	2 29	1 5	0 41	9 4	1 58	30 42	14 12	22 50	22 46	0 6		n.a.
W27	23 45	11 34	3 7	19 35	3 31	22 17	0 14	22 58	1 9	24 13	0 29	7 27	2 29	1 4	0 41	9 4	1 58	30 41	14 11	22 51	22 45	0 3		n.a.
T 28	23 44	16 46	1 58	19 35	3 28	22 29	0 12	22 50	1 9	24 13	0 29	7 26	2 29	1 4	0 40	9 3	1 57	30 41	14 11	22 51	22 45	0 s 0		n.a.
F 29	23 43	21 1	0 43	19 37	3 22	22 41	0 9	22 42	1 8	24 13	0 30	7 24	2 29	1 4	0 40	9 3	1 57	30 40	14 11	22 51	22 45	0 3		n.a.
S 30	23 41	23 59	0n34	19 41	3 16	22 52	0 7	22 33	1 8	24 14	0 30	7 22	2 28	1 3	0 40	9 3	1 57	30 40	14 11	22 51	22 44	0 6		n.a.
S 31	23 s39	25n27	1n47	19 s48	3n 9	23 s 2	0n 4	22 s24	1 s 8	24n14	0n30	7 s21	2 s28	1 s 3	0 s40	9n 3	1 s57	30 s39	14 s11	22n51	22n44	0 s 9		n.a.

Julian Day Number = 1568717.5, Delta T = 04h19m10s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'46, Lahiri = - 9°43'45 Julian Calendar 1 Dec. 419 BCE == Greg. Calendar 26 Nov. 419 BCE

The year -418 astronomical counting style corresponds to year 419 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

JANUARY 418 BCE (-417) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 19 5	5♑53'51	18♋ 0	15°D 9	18♐17	26♑25	1°R43	17♓23	28♓57	27°R56	13♒ 0	14°R34	13♊36	10♎59	n.a.	M 1
T 2	6 23 1	6°54'43	1♌12	15♐12	19°32	27°12	1♋35	17°27	28°58	27♈55	13° 2	14♊31	13°33	11° 6	n.a.	T 2
W 3	6 26 58	7°55'34	14° 5	15°22	20°47	27°59	1°27	17°31	28°59	27°55	13° 3	14°28	13°30	11°13	n.a.	W 3
T 4	6 30 54	8°56'24	26°41	15°39	22° 2	28°46	1°19	17°35	29° 0	27°54	13° 4	14°24	13°27	11°19	n.a.	T 4
F 5	6 34 51	9°57'13	9♍ 0	16° 2	23°17	29°33	1°11	17°40	29° 1	27°54	13° 6	14°20	13°24	11°26	n.a.	F 5
S 6	6 38 48	10°58'01	21° 6	16°31	24°32	0♒20	1° 3	17°44	29° 2	27°54	13° 7	14°17	13°20	11°33	n.a.	S 6
S 7	6 42 44	11°58'47	3♎ 3	17° 5	25°47	1° 7	0°56	17°49	29° 4	27°54	13° 8	14°15	13°17	11°40	n.a.	S 7
M 8	6 46 41	12°59'32	14°54	17°44	27° 2	1°54	0°48	17°53	29° 5	27°54	13°10	14°D15	13°14	11°46	n.a.	M 8
T 9	6 50 37	14° 0'16	26°46	18°27	28°17	2°41	0°40	17°58	29° 6	27°53	13°11	14°16	13°11	11°53	n.a.	T 9
W10	6 54 34	15° 0'59	8♏43	19°14	29°32	3°28	0°33	18° 3	29° 8	27°53	13°13	14°17	13° 8	12° 0	n.a.	W10
T 11	6 58 30	16° 1'40	20°50	20° 4	0♑47	4°15	0°25	18° 8	29° 9	27°53	13°14	14°19	13° 5	12° 6	n.a.	T 11
F 12	7 2 27	17° 2'20	3♐11	20°58	2° 2	5° 2	0°18	18°13	29°11	27°53	13°16	14°21	13° 1	12°13	n.a.	F 12
S 13	7 6 23	18° 2'59	15°50	21°55	3°17	5°49	0°10	18°18	29°12	27°D53	13°17	14°R21	12°58	12°20	n.a.	S 13
S 14	7 10 20	19° 3'37	28°48	22°55	4°31	6°36	0° 3	18°23	29°14	27°53	13°18	14°20	12°55	12°27	n.a.	S 14
M15	7 14 17	20° 4'12	12♑ 8	23°58	5°46	7°23	29♊56	18°28	29°16	27°53	13°20	14°17	12°52	12°33	n.a.	M15
T 16	7 18 13	21° 4'47	25°47	25° 3	7° 1	8°10	29°49	18°34	29°17	27°53	13°21	14°13	12°49	12°40	n.a.	T 16
W17	7 22 10	22° 5'19	9♒43	26°10	8°16	8°56	29°42	18°39	29°19	27°53	13°23	14° 7	12°45	12°47	n.a.	W17
T 18	7 26 6	23° 5'50	23°52	27°19	9°31	9°43	29°35	18°44	29°21	27°53	13°24	14° 1	12°42	12°53	n.a.	T 18
F 19	7 30 3	24° 6'18	8♓ 9	28°30	10°46	10°30	29°28	18°50	29°23	27°54	13°26	13°55	12°39	13° 0	n.a.	F 19
S 20	7 33 59	25° 6'45	22°29	29°43	12° 1	11°17	29°22	18°55	29°24	27°54	13°27	13°49	12°36	13° 7	n.a.	S 20
S 21	7 37 56	26° 7'09	6♈48	0♑58	13°15	12° 3	29°15	19° 1	29°26	27°54	13°29	13°46	12°33	13°13	n.a.	S 21
M22	7 41 52	27° 7'32	21° 1	2°14	14°30	12°50	29° 9	19° 7	29°28	27°54	13°30	13°D44	12°30	13°20	n.a.	M22
T 23	7 45 49	28° 7'52	5♉ 8	3°32	15°45	13°37	29° 3	19°13	29°30	27°55	13°32	13°44	12°26	13°27	n.a.	T 23
W24	7 49 46	29° 8'10	19° 6	4°52	17° 0	14°23	28°57	19°18	29°32	27°55	13°34	13°45	12°23	13°34	n.a.	W24
T 25	7 53 42	0♒ 8'26	2♊55	6°13	18°14	15°10	28°51	19°24	29°34	27°55	13°35	13°46	12°20	13°40	n.a.	T 25
F 26	7 57 39	1° 8'40	16°35	7°35	19°29	15°56	28°45	19°30	29°36	27°56	13°37	13°R47	12°17	13°47	n.a.	F 26
S 27	8 1 35	2° 8'52	0♋ 5	8°58	20°44	16°43	28°39	19°36	29°39	27°56	13°38	13°46	12°14	13°54	n.a.	S 27
S 28	8 5 32	3° 9'02	13°24	10°23	21°59	17°29	28°34	19°43	29°41	27°57	13°40	13°42	12°11	14° 0	n.a.	S 28
M29	8 9 28	4° 9'09	26°33	11°49	23°13	18°15	28°28	19°49	29°43	27°57	13°41	13°36	12° 7	14° 7	n.a.	M29
T 30	8 13 25	5° 9'15	9♌28	13°16	24°28	19° 2	28°23	19°55	29°45	27°58	13°43	13°28	12° 4	14°14	n.a.	T 30
W31	8 17 22	6♒ 9'18	22♌10	14♑45	25♑43	19♒48	28♊18	20♓ 1	29♓48	27♈59	13♒45	13♊18	12♊ 1	14♎21	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	23s37	25n23	2n54	19s55	3n 0	23s12	0n 2	22s15	1s 8	24n14	0n30	7s19	2s28	1s 2	0s40	9n 3	1s57	30s39	14s11	22n50	22n44	0s12			n.a.
T 2	23 34	23 52	3 49	20 5	2 51	23 21	0s 1	22 5	1 8	24 14	0 30	7 17	2 28	1 2	0 40	9 3	1 57	30 38	14 10	22 50	22 43	0 15			n.a.
W 3	23 30	21 8	4 31	20 15	2 41	23 29	0 3	21 56	1 7	24 15	0 30	7 15	2 27	1 1	0 40	9 3	1 57	30 37	14 10	22 50	22 43	0 18			n.a.
T 4	23 26	17 27	4 59	20 27	2 31	23 36	0 6	21 46	1 7	24 15	0 30	7 13	2 27	1 1	0 40	9 3	1 57	30 37	14 10	22 49	22 42	0 21			n.a.
F 5	23 22	13 6	5 12	20 40	2 21	23 43	0 8	21 36	1 7	24 15	0 31	7 11	2 27	1 0	0 40	9 3	1 57	30 36	14 10	22 49	22 42	0 24			n.a.
S 6	23 17	8 20	5 12	20 53	2 11	23 49	0 11	21 25	1 7	24 15	0 31	7 9	2 27	1 0	0 40	9 3	1 57	30 36	14 10	22 48	22 42	0 27			n.a.
S 7	23 12	3 19	4 57	21 7	2 0	23 54	0 13	21 15	1 6	24 15	0 31	7 7	2 27	0 59	0 40	9 3	1 57	30 35	14 10	22 48	22 41	0 30			n.a.
M 8	23 6	1s48	4 30	21 21	1 49	23 59	0 16	21 4	1 6	24 16	0 31	7 5	2 26	0 59	0 40	9 3	1 57	30 35	14 9	22 48	22 41	0 33			n.a.
T 9	23 0	6 51	3 52	21 36	1 39	24 2	0 18	20 53	1 6	24 16	0 31	7 3	2 26	0 58	0 40	9 3	1 57	30 34	14 9	22 48	22 40	0 36			n.a.
W10	22 53	11 42	3 3	21 50	1 28	24 5	0 21	20 42	1 6	24 16	0 31	7 1	2 26	0 58	0 40	9 3	1 57	30 33	14 9	22 48	22 40	0 39			n.a.
T 11	22 46	16 11	2 5	22 5	1 18	24 8	0 23	20 30	1 5	24 16	0 31	6 59	2 26	0 57	0 40	9 3	1 56	30 33	14 9	22 49	22 40	0 42			n.a.
F 12	22 39	20 4	1 1	22 19	1 7	24 9	0 25	20 18	1 5	24 16	0 31	6 57	2 25	0 56	0 40	9 3	1 56	30 32	14 9	22 49	22 39	0 46			n.a.
S 13	22 31	23 7	0s 8	22 33	0 57	24 10	0 28	20 6	1 5	24 16	0 31	6 54	2 25	0 56	0 40	9 3	1 56	30 32	14 9	22 49	22 39	0 49			n.a.
S 14	22 22	25 3	1 18	22 47	0 47	24 10	0 30	19 54	1 5	24 16	0 32	6 52	2 25	0 55	0 40	9 3	1 56	30 31	14 9	22 49	22 38	0 52			n.a.
M15	22 13	25 36	2 26	23 0	0 37	24 9	0 32	19 42	1 4	24 16	0 32	6 50	2 25	0 54	0 40	9 3	1 56	30 31	14 9	22 49	22 38	0 55			n.a.
T 16	22 4	24 38	3 26	23 12	0 27	24 8	0 34	19 29	1 4	24 17	0 32	6 48	2 25	0 54	0 40	9 3	1 56	30 30	14 9	22 48	22 38	0 58			n.a.
W17	21 55	22 9	4 16	23 24	0 18	24 6	0 37	19 17	1 4	24 17	0 32	6 45	2 24	0 53	0 40	9 3	1 56	30 30	14 8	22 47	22 37	1 1			n.a.
T 18	21 44	18 18	4 51	23 35	0 8	24 3	0 39	19 4	1 4	24 17	0 32	6 43	2 24	0 52	0 40	9 3	1 56	30 29	14 8	22 47	22 37	1 4			n.a.
F 19	21 34	13 22	5 8	23 45	0s 1	23 59	0 41	18 51	1 3	24 17	0 32	6 41	2 24	0 51	0 40	9 3	1 56	30 28	14 8	22 46	22 36	1 7			n.a.
S 20	21 23	7 41	5 6	23 54	0 10	23 55	0 43	18 37	1 3	24 17	0 32	6 38	2 24	0 51	0 40	9 4	1 56	30 28	14 8	22 45	22 36	1 10			n.a.
S 21	21 12	1 37	4 45	24 3	0 18	23 50	0 45	18 24	1 3	24 17	0 32	6 36	2 24	0 50	0 40	9 4	1 56	30 27	14 8	22 45	22 35	1 13			n.a.
M22	21 0	4n30	4 7	24 10	0 26	23 44	0 47	18 10	1 2	24 17	0 32	6 33	2 23	0 49	0 40	9 4	1 56	30 27	14 8	22 44	22 35	1 16			n.a.
T 23	20 48	10 22	3 14	24 16	0 34	23 37	0 49	17 56	1 2	24 17	0 32	6 31	2 23	0 48	0 40	9 4	1 56	30 26	14 8	22 45	22 35	1 19			n.a.
W24	20 36	15 39	2 9	24 22	0 42	23 30	0 51	17 42	1 2	24 17	0 32	6 28	2 23	0 47	0 39	9 4	1 56	30 26	14 8	22 45	22 34	1 22			n.a.
T 25	20 23	20 3	0 58	24 26	0 50	23 22	0 53	17 28	1 1	24 17	0 33	6 26	2 23	0 46	0 39	9 5	1 56	30 25	14 8	22 45	22 34	1 25			n.a.
F 26	20 10	23 19	0n15	24 28	0 57	23 13	0 55	17 14	1 1	24 17	0 33	6 23	2 23	0 46	0 39	9 5	1 55	30 25	14 8	22 45	22 33	1 28			n.a.
S 27	19 56	25 12	1 27	24 30	1 4	23 3	0 57	16 59	1 1	24 17	0 33	6 21	2 23	0 45	0 39	9 5	1 55	30 24	14 8	22 45	22 33	1 31			n.a.
S 28	19 42	25 35	2 33	24 30	1 10	22 53	0 58	16 45	1 0	24 17	0 33	6 18	2 22	0 44	0 39	9 5	1 55	30 24	14 8	22 44	22 33	1 34			n.a.
M29	19 28	24 32	3 29	24 29	1 17	22 42	1 0	16 30	1 0	24 17	0 33	6 16	2 22	0 43	0 39	9 5	1 55	30 23	14 8	22 44	22 32	1 37			n.a.
T 30	19 13	22 11	4 14	24 27	1 22	22 31	1 2	16 15	0 59	24 17	0 33	6 13	2 22	0 42	0 39	9 6	1 55	30 23	14 8	22 42	22 32	1 40			n.a.
W31	18s58	18n47	4n45	24s23	1s28	22s19	1s 3	16s 0	0s59	24n17	0n33	6s10	2s22	0s41	0s39	9n 6	1s55	30s22	14s 8	22n41	22n31	1s43			n.a.

Julian Day Number = 1568748.5, Delta T = 04h19m09s
Ecliptic obliquity = 23°44'47, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'42, Lahiri = - 9°43'41 Julian Calendar 1 Jan. 418 BCE == Greg. Calendar 27 Dec. 419 BCE

The year -417 astronomical counting style corresponds to year 418 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

FEBRUARY 418 BCE (-417) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 21 18	7♒ 9'20	4♍38	16♉15	26♉57	20♒34	28°R13	20♓ 8	29♓50	27♈59	13♒46	13°R 8	11♊58	14♎27	n.a.	T 1
F 2	8 25 15	8° 9'20	16°54	17°46	28°12	21°21	28♊ 8	20°14	29°52	28° 0	13°48	12♊58	11°55	14°34	n.a.	F 2
S 3	8 29 11	9° 9'18	28°59	19°18	29°27	22° 7	28° 4	20°21	29°55	28° 1	13°49	12°50	11°51	14°41	n.a.	S 3
S 4	8 33 8	10° 9'14	10♎54	20°51	0♒41	22°53	28° 0	20°27	29°57	28° 1	13°51	12°43	11°48	14°47	n.a.	S 4
M 5	8 37 4	11° 9'08	22°46	22°25	1°56	23°39	27°55	20°34	29°59	28° 2	13°52	12°39	11°45	14°54	n.a.	M 5
T 6	8 41 1	12° 9'00	4♏36	24° 0	3°11	24°25	27°51	20°40	0♈ 2	28° 3	13°54	12°37	11°42	15° 1	n.a.	T 6
W 7	8 44 57	13° 8'51	16°31	25°37	4°25	25°11	27°47	20°47	0° 5	28° 4	13°56	12°D36	11°39	15° 7	n.a.	W 7
T 8	8 48 54	14° 8'40	28°37	27°15	5°40	25°57	27°44	20°54	0° 7	28° 5	13°57	12°37	11°36	15°14	n.a.	T 8
F 9	8 52 50	15° 8'27	10♐57	28°54	6°55	26°43	27°40	21° 0	0°10	28° 5	13°59	12°R38	11°32	15°21	n.a.	F 9
S 10	8 56 47	16° 8'12	23°37	0♒34	8° 9	27°29	27°37	21° 7	0°13	28° 6	14° 0	12°37	11°29	15°28	n.a.	S 10
S 11	9 0 44	17° 7'55	6♑42	2°15	9°24	28°15	27°34	21°14	0°15	28° 7	14° 2	12°34	11°26	15°34	n.a.	S 11
M12	9 4 40	18° 7'37	20°12	3°58	10°38	29° 1	27°31	21°21	0°18	28° 8	14° 4	12°29	11°23	15°41	n.a.	M12
T 13	9 8 37	19° 7'16	4♒ 7	5°42	11°53	29°47	27°28	21°28	0°21	28° 9	14° 5	12°22	11°20	15°48	n.a.	T 13
W14	9 12 33	20° 6'54	18°26	7°27	13° 7	0♓33	27°25	21°35	0°24	28°10	14° 7	12°12	11°17	15°54	n.a.	W14
T 15	9 16 30	21° 6'29	3♓ 1	9°13	14°22	1°18	27°23	21°42	0°26	28°11	14° 8	12° 1	11°13	16° 1	n.a.	T 15
F 16	9 20 26	22° 6'02	17°47	11° 0	15°36	2° 4	27°21	21°49	0°29	28°13	14°10	11°51	11°10	16° 8	n.a.	F 16
S 17	9 24 23	23° 5'33	2♈33	12°49	16°51	2°50	27°19	21°56	0°32	28°14	14°11	11°41	11° 7	16°14	n.a.	S 17
S 18	9 28 19	24° 5'01	17°14	14°39	18° 5	3°35	27°17	22° 4	0°35	28°15	14°13	11°35	11° 4	16°21	n.a.	S 18
M19	9 32 16	25° 4'27	1♉42	16°30	19°20	4°21	27°15	22°11	0°38	28°16	14°15	11°30	11° 1	16°28	n.a.	M19
T 20	9 36 13	26° 3'50	15°55	18°23	20°34	5° 7	27°14	22°18	0°41	28°17	14°16	11°28	10°57	16°35	n.a.	T 20
W21	9 40 9	27° 3'11	29°51	20°16	21°49	5°52	27°13	22°25	0°44	28°19	14°18	11°D28	10°54	16°41	n.a.	W21
T 22	9 44 6	28° 2'30	13♊30	22°11	23° 3	6°37	27°12	22°33	0°47	28°20	14°19	11°R28	10°51	16°48	n.a.	T 22
F 23	9 48 2	29° 1'46	26°53	24° 8	24°18	7°23	27°11	22°40	0°50	28°21	14°21	11°27	10°48	16°55	n.a.	F 23
S 24	9 51 59	0♓ 1'00	10♋ 3	26° 5	25°32	8° 8	27°10	22°47	0°53	28°22	14°22	11°25	10°45	17° 1	n.a.	S 24
S 25	9 55 55	1° 0'11	23° 1	28° 4	26°46	8°53	27°10	22°55	0°56	28°24	14°24	11°19	10°42	17° 8	n.a.	S 25
M26	9 59 52	1°59'20	5♌48	0♓ 4	28° 1	9°39	27° 9	23° 2	0°59	28°25	14°25	11°11	10°38	17°15	n.a.	M26
T 27	10 3 48	2°58'27	18°24	2° 4	29°15	10°24	27°D 9	23°10	1° 2	28°27	14°27	11° 0	10°35	17°21	n.a.	T 27
W28	10 7 45	3♓57'31	0♍51	4♓ 6	0♓30	11♓ 9	27♊ 9	23♓17	1♈ 5	28♈28	14♒29	10♊46	10♊32	17♎28	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s43	14n36	5n 2	24s17	1s33	22s 6	1s 5	15s45	0s59	24n17	0n33	6s 8	2s22	0s40	0s39	9n 6	1s55	30s22	14s 8	22n40	22n31	1s46		n.a.
F 2	18 28	9 54	5 4	24 10	1 38	21 52	1 6	15 29	0 58	24 17	0 33	6 5	2 22	0 39	0 39	9 7	1 55	30 21	14 8	22 39	22 30	1 49		n.a.
S 3	18 12	4 53	4 53	24 2	1 43	21 38	1 8	15 14	0 58	24 17	0 33	6 2	2 21	0 38	0 39	9 7	1 55	30 21	14 8	22 38	22 30	1 52		n.a.
S 4	17 56	0s15	4 29	23 52	1 47	21 23	1 9	14 58	0 58	24 17	0 33	5 59	2 21	0 37	0 39	9 7	1 55	30 20	14 8	22 37	22 30	1 55		n.a.
M 5	17 39	5 21	3 54	23 41	1 51	21 8	1 11	14 42	0 57	24 17	0 33	5 57	2 21	0 36	0 39	9 8	1 55	30 20	14 8	22 36	22 29	1 58		n.a.
T 6	17 22	10 16	3 9	23 28	1 54	20 52	1 12	14 26	0 57	24 17	0 33	5 54	2 21	0 35	0 39	9 8	1 55	30 19	14 8	22 36	22 29	2 1		n.a.
W 7	17 5	14 50	2 15	23 13	1 57	20 35	1 13	14 10	0 56	24 17	0 33	5 51	2 21	0 34	0 39	9 8	1 55	30 19	14 8	22 36	22 28	2 5		n.a.
T 8	16 48	18 54	1 14	22 56	2 0	20 18	1 14	13 54	0 56	24 17	0 33	5 48	2 21	0 33	0 39	9 9	1 55	30 18	14 8	22 36	22 28	2 8		n.a.
F 9	16 30	22 14	0 9	22 38	2 2	20 0	1 15	13 38	0 56	24 17	0 33	5 45	2 21	0 32	0 39	9 9	1 54	30 18	14 8	22 36	22 27	2 11		n.a.
S 10	16 12	24 34	0s58	22 19	2 4	19 42	1 17	13 22	0 55	24 17	0 34	5 43	2 21	0 31	0 39	9 9	1 54	30 17	14 8	22 36	22 27	2 14		n.a.
S 11	15 54	25 39	2 5	21 57	2 6	19 23	1 18	13 5	0 55	24 17	0 34	5 40	2 20	0 29	0 39	9 10	1 54	30 17	14 8	22 36	22 26	2 17		n.a.
M12	15 36	25 16	3 6	21 34	2 7	19 3	1 19	12 49	0 54	24 17	0 34	5 37	2 20	0 28	0 39	9 10	1 54	30 16	14 8	22 35	22 26	2 20		n.a.
T 13	15 17	23 19	3 58	21 9	2 7	18 43	1 19	12 32	0 54	24 17	0 34	5 34	2 20	0 27	0 39	9 11	1 54	30 16	14 8	22 34	22 26	2 23		n.a.
W14	14 58	19 52	4 37	20 42	2 8	18 22	1 20	12 15	0 53	24 17	0 34	5 31	2 20	0 26	0 39	9 11	1 54	30 15	14 8	22 33	22 25	2 26		n.a.
T 15	14 39	15 9	4 58	20 13	2 7	18 1	1 21	11 58	0 53	24 17	0 34	5 28	2 20	0 25	0 39	9 12	1 54	30 15	14 8	22 31	22 25	2 29		n.a.
F 16	14 19	9 29	5 0	19 43	2 6	17 40	1 22	11 41	0 52	24 17	0 34	5 25	2 20	0 24	0 39	9 12	1 54	30 14	14 8	22 30	22 24	2 32		n.a.
S 17	14 0	3 17	4 42	19 11	2 5	17 18	1 22	11 24	0 52	24 17	0 34	5 22	2 20	0 23	0 39	9 12	1 54	30 14	14 8	22 29	22 24	2 35		n.a.
S 18	13 40	3n 4	4 6	18 37	2 3	16 55	1 23	11 7	0 52	24 17	0 34	5 19	2 20	0 21	0 39	9 13	1 54	30 14	14 8	22 28	22 23	2 38		n.a.
M19	13 20	9 11	3 14	18 1	2 1	16 32	1 23	10 50	0 51	24 17	0 34	5 16	2 19	0 20	0 39	9 13	1 54	30 13	14 8	22 27	22 23	2 41		n.a.
T 20	13 0	14 44	2 11	17 23	1 58	16 9	1 24	10 33	0 51	24 17	0 34	5 13	2 19	0 19	0 39	9 14	1 54	30 13	14 8	22 27	22 22	2 44		n.a.
W21	12 39	19 23	1 1	16 43	1 55	15 45	1 24	10 15	0 50	24 17	0 34	5 10	2 19	0 18	0 39	9 14	1 54	30 12	14 8	22 27	22 22	2 47		n.a.
T 22	12 18	22 53	0n11	16 2	1 51	15 20	1 25	9 58	0 50	24 17	0 34	5 7	2 19	0 17	0 39	9 15	1 54	30 12	14 9	22 27	22 22	2 50		n.a.
F 23	11 58	25 3	1 21	15 19	1 46	14 55	1 25	9 40	0 49	24 17	0 34	5 4	2 19	0 15	0 39	9 15	1 54	30 12	14 9	22 27	22 21	2 53		n.a.
S 24	11 37	25 46	2 25	14 34	1 41	14 30	1 25	9 23	0 49	24 17	0 34	5 1	2 19	0 14	0 39	9 16	1 54	30 11	14 9	22 26	22 21	2 56		n.a.
S 25	11 15	25 3	3 21	13 48	1 36	14 5	1 25	9 5	0 48	24 17	0 34	4 58	2 19	0 13	0 39	9 17	1 53	30 11	14 9	22 26	22 20	3 0		n.a.
M26	10 54	23 1	4 5	12 59	1 30	13 39	1 25	8 47	0 48	24 17	0 34	4 55	2 19	0 11	0 39	9 17	1 53	30 10	14 9	22 24	22 20	3 3		n.a.
T 27	10 33	19 53	4 37	12 9	1 23	13 13	1 25	8 30	0 47	24 17	0 34	4 52	2 19	0 10	0 39	9 18	1 53	30 10	14 9	22 23	22 19	3 6		n.a.
W28	10s11	15n54	4n55	11s18	1s16	12s46	1s25	8s12	0s47	24n17	0n34	4s49	2s19	0s 9	0s39	9n18	1s53	30s10	14s 9	22n21	22n19	3s 9		n.a.

Julian Day Number = 1568779.5, Delta T = 04h19m08s
Ecliptic obliquity = 23°44'48, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'37, Lahiri = - 9°43'37 Julian Calendar 1 Feb. 418 BCE == Greg. Calendar 27 Jan. 418 BCE

The year -417 astronomical counting style corresponds to year 418 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

MARCH 418 BCE (-417) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 11 41	4♓56'33	13♍ 7	6♓ 9	1♓44	11♓54	27♊10	23♓25	1♈ 9	28♈30	14♒30	10°R32	10♊29	17♎35	n.a.	T 1
F 2	10 15 38	5°55'33	25°15	8°12	2°58	12°39	27°10	23°32	1°12	28°31	14°32	10♊19	10°26	17°42	n.a.	F 2
S 3	10 19 35	6°54'31	7♎14	10°16	4°12	13°24	27°11	23°40	1°15	28°33	14°33	10° 7	10°23	17°48	n.a.	S 3
S 4	10 23 31	7°53'27	19° 7	12°20	5°27	14° 9	27°12	23°47	1°18	28°34	14°34	9°57	10°19	17°55	n.a.	S 4
M 5	10 27 28	8°52'21	0♏57	14°24	6°41	14°54	27°13	23°55	1°21	28°36	14°36	9°50	10°16	18° 2	n.a.	M 5
T 6	10 31 24	9°51'13	12°47	16°29	7°55	15°39	27°14	24° 2	1°25	28°37	14°37	9°45	10°13	18° 8	n.a.	T 6
W 7	10 35 21	10°50'04	24°40	18°33	9°10	16°24	27°15	24°10	1°28	28°39	14°39	9°43	10°10	18°15	n.a.	W 7
T 8	10 39 17	11°48'52	6♐44	20°36	10°24	17° 8	27°17	24°18	1°31	28°41	14°40	9°43	10° 7	18°22	n.a.	T 8
F 9	10 43 14	12°47'39	19° 1	22°38	11°38	17°53	27°19	24°25	1°34	28°42	14°42	9°43	10° 3	18°28	n.a.	F 9
S 10	10 47 10	13°46'24	1♑39	24°39	12°52	18°38	27°20	24°33	1°38	28°44	14°43	9°42	10° 0	18°35	n.a.	S 10
S 11	10 51 7	14°45'07	14°41	26°38	14° 6	19°22	27°23	24°41	1°41	28°46	14°45	9°39	9°57	18°42	n.a.	S 11
M12	10 55 4	15°43'48	28°12	28°35	15°21	20° 7	27°25	24°48	1°44	28°47	14°46	9°34	9°54	18°48	n.a.	M12
T 13	10 59 0	16°42'28	12♒11	0♈30	16°35	20°51	27°27	24°56	1°48	28°49	14°47	9°27	9°51	18°55	n.a.	T 13
W14	11 2 57	17°41'05	26°39	2°22	17°49	21°36	27°30	25° 4	1°51	28°51	14°49	9°17	9°48	19° 2	n.a.	W14
T 15	11 6 53	18°39'41	11♓29	4°10	19° 3	22°20	27°33	25°12	1°54	28°53	14°50	9° 6	9°44	19° 9	n.a.	T 15
F 16	11 10 50	19°38'14	26°33	5°56	20°17	23° 5	27°36	25°19	1°58	28°54	14°52	8°55	9°41	19°15	n.a.	F 16
S 17	11 14 46	20°36'46	11♈41	7°38	21°31	23°49	27°39	25°27	2° 1	28°56	14°53	8°45	9°38	19°22	n.a.	S 17
S 18	11 18 43	21°35'15	26°43	9°16	22°46	24°33	27°43	25°35	2° 5	28°58	14°54	8°38	9°35	19°29	n.a.	S 18
M19	11 22 39	22°33'42	11♉31	10°50	24° 0	25°17	27°46	25°43	2° 8	29° 0	14°56	8°33	9°32	19°35	n.a.	M19
T 20	11 26 36	23°32'07	25°58	12°19	25°14	26° 2	27°50	25°50	2°11	29° 2	14°57	8°31	9°28	19°42	n.a.	T 20
W21	11 30 32	24°30'30	10♊ 3	13°44	26°28	26°46	27°54	25°58	2°15	29° 4	14°58	8°D30	9°25	19°49	n.a.	W21
T 22	11 34 29	25°28'50	23°44	15° 5	27°42	27°30	27°58	26° 6	2°18	29° 6	14°59	8°R30	9°22	19°55	n.a.	T 22
F 23	11 38 26	26°27'09	7♋ 4	16°21	28°56	28°14	28° 2	26°14	2°22	29° 8	15° 1	8°30	9°19	20° 2	n.a.	F 23
S 24	11 42 22	27°25'25	20° 5	17°31	0♈10	28°58	28° 7	26°22	2°25	29°10	15° 2	8°28	9°16	20° 9	n.a.	S 24
S 25	11 46 19	28°23'39	2♌51	18°37	1°24	29°42	28°11	26°29	2°28	29°12	15° 3	8°23	9°13	20°15	n.a.	S 25
M26	11 50 15	29°21'51	15°23	19°38	2°38	0♈25	28°16	26°37	2°32	29°14	15° 4	8°16	9° 9	20°22	n.a.	M26
T 27	11 54 12	0♈20'00	27°44	20°34	3°52	1° 9	28°21	26°45	2°35	29°16	15° 6	8° 7	9° 6	20°29	n.a.	T 27
W28	11 58 8	1°18'08	9♍57	21°24	5° 6	1°53	28°26	26°53	2°39	29°18	15° 7	7°55	9° 3	20°36	n.a.	W28
T 29	12 2 5	2°16'14	22° 2	22°10	6°20	2°37	28°31	27° 0	2°42	29°20	15° 8	7°43	9° 0	20°42	n.a.	T 29
F 30	12 6 1	3°14'18	4♎ 1	22°50	7°34	3°20	28°36	27° 8	2°46	29°22	15° 9	7°31	8°57	20°49	n.a.	F 30
S 31	12 9 58	4♈12'20	15♎54	23♈24	8♈47	4♈ 4	28♊42	27♓16	2♈49	29♈24	15♒10	7♊20	8♊54	20♎56	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s49	11n18	4n59	10s25	1s 8	12s19	1s25	7s54	0s46	24n17	0n34	4s46	2s19	0s 8	0s39	9n19	1s53	30s 9	14s 9	22n19	22n18	3s12		n.a.
F 2	9 27	6 20	4 50	9 31	0 59	11 52	1 25	7 36	0 46	24 17	0 34	4 43	2 19	0 6	0 39	9 19	1 53	30 9	14 10	22 17	22 18	3 15		n.a.
S 3	9 5	1 11	4 27	8 36	0 50	11 24	1 25	7 18	0 45	24 17	0 34	4 40	2 19	0 5	0 38	9 20	1 53	30 9	14 10	22 15	22 17	3 18		n.a.
S 4	8 43	3s59	3 53	7 39	0 41	10 56	1 24	7 0	0 45	24 17	0 34	4 37	2 18	0 4	0 38	9 21	1 53	30 8	14 10	22 14	22 17	3 21		n.a.
M 5	8 21	9 0	3 9	6 42	0 31	10 28	1 24	6 42	0 44	24 17	0 34	4 34	2 18	0 2	0 38	9 21	1 53	30 8	14 10	22 13	22 17	3 24		n.a.
T 6	7 58	13 42	2 17	5 43	0 21	10 0	1 24	6 24	0 44	24 17	0 34	4 31	2 18	0 1	0 38	9 22	1 53	30 8	14 10	22 12	22 16	3 27		n.a.
W 7	7 36	17 55	1 19	4 45	0 10	9 31	1 23	6 6	0 43	24 17	0 34	4 27	2 18	0n 0	0 38	9 22	1 53	30 7	14 10	22 12	22 16	3 30		n.a.
T 8	7 13	21 27	0 16	3 46	0n 1	9 2	1 23	5 48	0 43	24 17	0 34	4 24	2 18	0 2	0 38	9 23	1 53	30 7	14 11	22 12	22 15	3 33		n.a.
F 9	6 50	24 6	0s49	2 47	0 12	8 33	1 22	5 30	0 42	24 17	0 34	4 21	2 18	0 3	0 38	9 24	1 53	30 7	14 11	22 12	22 15	3 36		n.a.
S 10	6 28	25 37	1 53	1 48	0 23	8 4	1 21	5 12	0 42	24 17	0 34	4 18	2 18	0 4	0 38	9 24	1 53	30 7	14 11	22 11	22 14	3 39		n.a.
S 11	6 5	25 48	2 54	0 49	0 35	7 34	1 21	4 53	0 41	24 17	0 34	4 15	2 18	0 6	0 38	9 25	1 53	30 6	14 11	22 11	22 14	3 42		n.a.
M12	5 42	24 29	3 46	0n 8	0 46	7 4	1 20	4 35	0 41	24 18	0 34	4 12	2 18	0 7	0 38	9 26	1 53	30 6	14 11	22 10	22 13	3 45		n.a.
T 13	5 19	21 38	4 28	1 5	0 58	6 34	1 19	4 17	0 40	24 18	0 34	4 9	2 18	0 8	0 38	9 26	1 53	30 6	14 11	22 9	22 13	3 48		n.a.
W14	4 56	17 23	4 53	2 1	1 9	6 4	1 18	3 59	0 40	24 18	0 34	4 6	2 18	0 10	0 38	9 27	1 53	30 6	14 12	22 8	22 12	3 52		n.a.
T 15	4 32	11 58	5 0	2 55	1 21	5 34	1 17	3 40	0 39	24 18	0 34	4 2	2 18	0 11	0 38	9 28	1 53	30 5	14 12	22 6	22 12	3 55		n.a.
F 16	4 9	5 46	4 47	3 47	1 32	5 4	1 16	3 22	0 39	24 18	0 34	3 59	2 18	0 12	0 38	9 28	1 53	30 5	14 12	22 4	22 11	3 58		n.a.
S 17	3 46	0n48	4 13	4 38	1 42	4 33	1 15	3 4	0 38	24 18	0 34	3 56	2 18	0 14	0 38	9 29	1 52	30 5	14 12	22 3	22 11	4 1		n.a.
S 18	3 23	7 18	3 22	5 26	1 52	4 2	1 14	2 46	0 37	24 18	0 34	3 53	2 18	0 15	0 38	9 30	1 52	30 5	14 13	22 1	22 10	4 4		n.a.
M19	2 59	13 18	2 18	6 12	2 2	3 32	1 13	2 27	0 37	24 18	0 34	3 50	2 18	0 16	0 38	9 31	1 52	30 4	14 13	22 1	22 10	4 7		n.a.
T 20	2 36	18 26	1 6	6 56	2 11	3 1	1 11	2 9	0 36	24 18	0 34	3 47	2 18	0 18	0 38	9 31	1 52	30 4	14 13	22 0	22 9	4 10		n.a.
W21	2 13	22 23	0n 8	7 38	2 20	2 30	1 10	1 51	0 36	24 18	0 34	3 44	2 18	0 19	0 38	9 32	1 52	30 4	14 13	22 0	22 9	4 13		n.a.
T 22	1 49	24 56	1 20	8 16	2 27	1 59	1 9	1 33	0 35	24 18	0 34	3 41	2 18	0 21	0 38	9 33	1 52	30 4	14 13	22 0	22 8	4 16		n.a.
F 23	1 26	25 58	2 25	8 53	2 34	1 28	1 7	1 15	0 35	24 18	0 34	3 37	2 18	0 22	0 38	9 33	1 52	30 4	14 14	22 0	22 8	4 19		n.a.
S 24	1 2	25 33	3 22	9 26	2 41	0 56	1 6	0 56	0 34	24 18	0 34	3 34	2 18	0 23	0 38	9 34	1 52	30 4	14 14	22 0	22 7	4 22		n.a.
S 25	0 39	23 46	4 7	9 56	2 46	0 25	1 4	0 38	0 34	24 18	0 34	3 31	2 18	0 25	0 38	9 35	1 52	30 3	14 14	21 59	22 7	4 25		n.a.
M26	0 15	20 51	4 39	10 24	2 50	0n 6	1 3	0 20	0 33	24 19	0 34	3 28	2 18	0 26	0 38	9 36	1 52	30 3	14 14	21 58	22 6	4 28		n.a.
T 27	0n 8	17 3	4 57	10 49	2 54	0 37	1 1	0 2	0 32	24 19	0 34	3 25	2 18	0 28	0 38	9 36	1 52	30 3	14 15	21 57	22 6	4 31		n.a.
W28	0 31	12 35	5 2	11 10	2 56	1 8	1 0	0n16	0 32	24 19	0 34	3 22	2 18	0 29	0 38	9 37	1 52	30 3	14 15	21 55	22 5	4 34		n.a.
T 29	0 55	7 40	4 53	11 29	2 58	1 40	0 58	0 34	0 31	24 19	0 34	3 19	2 18	0 30	0 38	9 38	1 52	30 3	14 15	21 53	22 5	4 38		n.a.
F 30	1 18	2 31	4 31	11 45	2 58	2 11	0 56	0 52	0 31	24 19	0 34	3 16	2 18	0 32	0 38	9 39	1 52	30 3	14 15	21 51	22 4	4 41		n.a.
S 31	1n42	2s42	3n57	11n57	2n58	2n42	0s54	1n10	0s30	24n19	0n34	3s13	2s18	0n33	0s38	9n39	1s52	30s 3	14s16	21n49	22n 4	4s44		n.a.

Julian Day Number = 1568807.5, Delta T = 04h19m07s
Ecliptic obliquity = 23°44'49, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'34, Lahiri = - 9°43'33 Julian Calendar 1 March 418 BCE == Greg. Calendar 24 Feb. 418 BCE

The year -417 astronomical counting style corresponds to year 418 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

APRIL 418 BCE (-417) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 13 55	5♈10'20	27♎45	23♈53	10♈ 1	4♈47	28♊48	27♓24	2♈53	29♈26	15♒11	7°R12	8♊50	21♎ 2	n.a.	S 1
M 2	12 17 51	6° 8'19	9♏34	24°17	11°15	5°31	28°53	27°31	2°56	29°28	15°12	7♊ 6	8°47	21° 9	n.a.	M 2
T 3	12 21 48	7° 6'16	21°25	24°36	12°29	6°14	28°59	27°39	2°59	29°30	15°13	7° 2	8°44	21°16	n.a.	T 3
W 4	12 25 44	8° 4'12	3♐20	24°49	13°43	6°58	29° 5	27°47	3° 3	29°32	15°15	7°D 1	8°41	21°22	n.a.	W 4
T 5	12 29 41	9° 2'06	15°24	24°57	14°57	7°41	29°12	27°55	3° 6	29°34	15°16	7° 1	8°38	21°29	n.a.	T 5
F 6	12 33 37	9°59'59	27°42	24°R59	16°11	8°24	29°18	28° 2	3°10	29°36	15°17	7° 2	8°34	21°36	n.a.	F 6
S 7	12 37 34	10°57'51	10♑17	24°57	17°24	9° 7	29°25	28°10	3°13	29°39	15°18	7°R 2	8°31	21°42	n.a.	S 7
S 8	12 41 30	11°55'41	23°16	24°49	18°38	9°51	29°31	28°18	3°16	29°41	15°19	7° 2	8°28	21°49	n.a.	S 8
M 9	12 45 27	12°53'30	6♒41	24°37	19°52	10°34	29°38	28°25	3°20	29°43	15°20	6°59	8°25	21°56	n.a.	M 9
T 10	12 49 24	13°51'18	20°36	24°21	21° 6	11°17	29°45	28°33	3°23	29°45	15°21	6°55	8°22	22° 2	n.a.	T 10
W11	12 53 20	14°49'04	4♓59	24° 0	22°20	12° 0	29°52	28°40	3°27	29°47	15°21	6°49	8°19	22° 9	n.a.	W11
T 12	12 57 17	15°46'49	19°47	23°36	23°33	12°43	29°59	28°48	3°30	29°49	15°22	6°41	8°15	22°16	n.a.	T 12
F 13	13 1 13	16°44'32	4♈54	23° 9	24°47	13°26	0♋ 7	28°56	3°33	29°52	15°23	6°34	8°12	22°22	n.a.	F 13
S 14	13 5 10	17°42'15	20° 9	22°39	26° 1	14° 8	0°14	29° 3	3°37	29°54	15°24	6°27	8° 9	22°29	n.a.	S 14
S 15	13 9 6	18°39'55	5♉22	22° 7	27°15	14°51	0°22	29°11	3°40	29°56	15°25	6°22	8° 6	22°36	n.a.	S 15
M16	13 13 3	19°37'35	20°24	21°34	28°28	15°34	0°30	29°18	3°44	29°58	15°26	6°19	8° 3	22°43	n.a.	M16
T 17	13 16 59	20°35'13	5♊ 6	20°59	29°42	16°17	0°37	29°26	3°47	0♉ 0	15°27	6°D18	7°59	22°49	n.a.	T 17
W18	13 20 56	21°32'49	19°23	20°24	0♉56	16°59	0°45	29°33	3°50	0° 3	15°27	6°18	7°56	22°56	n.a.	W18
T 19	13 24 53	22°30'24	3♋13	19°49	2° 9	17°42	0°54	29°40	3°53	0° 5	15°28	6°19	7°53	23° 3	n.a.	T 19
F 20	13 28 49	23°27'57	16°39	19°16	3°23	18°25	1° 2	29°48	3°57	0° 7	15°29	6°20	7°50	23° 9	n.a.	F 20
S 21	13 32 46	24°25'28	29°41	18°43	4°37	19° 7	1°10	29°55	4° 0	0° 9	15°30	6°R21	7°47	23°16	n.a.	S 21
S 22	13 36 42	25°22'58	12♌23	18°12	5°50	19°49	1°19	0♈ 2	4° 3	0°12	15°30	6°19	7°44	23°23	n.a.	S 22
M23	13 40 39	26°20'27	24°49	17°44	7° 4	20°32	1°27	0°10	4° 7	0°14	15°31	6°16	7°40	23°29	n.a.	M23
T 24	13 44 35	27°17'54	7♍ 2	17°19	8°17	21°14	1°36	0°17	4°10	0°16	15°32	6°11	7°37	23°36	n.a.	T 24
W25	13 48 32	28°15'19	19° 6	16°57	9°31	21°56	1°45	0°24	4°13	0°18	15°32	6° 5	7°34	23°43	n.a.	W25
T 26	13 52 28	29°12'43	1♎ 3	16°39	10°45	22°39	1°54	0°31	4°16	0°21	15°33	5°58	7°31	23°49	n.a.	T 26
F 27	13 56 25	0♉10'07	12°56	16°24	11°58	23°21	2° 3	0°38	4°19	0°23	15°34	5°52	7°28	23°56	n.a.	F 27
S 28	14 0 21	1° 7'28	24°46	16°14	13°12	24° 3	2°12	0°46	4°23	0°25	15°34	5°46	7°25	24° 3	n.a.	S 28
S 29	14 4 18	2° 4'49	6♏36	16° 7	14°25	24°45	2°21	0°53	4°26	0°27	15°35	5°42	7°21	24° 9	n.a.	S 29
M30	14 8 15	3♉ 2'09	18♏28	16°D 6	15♉39	25♈27	2♋30	1♈ 0	4♈29	0♉30	15♒35	5♊39	7♊18	24♎16	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 5	7s48	3n13	12n 6	2n56	3n13	0s53	1n28	0s30	24n19	0n34	3s 9	2s18	0n34	0s38	9n40	1s52	30s 3	14s16	21n47	22n 3	4s47		n.a.
M 2	2 28	12 38	2 21	12 13	2 53	3 44	0 51	1 46	0 29	24 19	0 34	3 6	2 18	0 36	0 38	9 41	1 52	30 2	14 16	21 46	22 3	4 50		n.a.
T 3	2 51	17 1	1 23	12 16	2 49	4 15	0 49	2 4	0 28	24 19	0 34	3 3	2 18	0 37	0 38	9 42	1 52	30 2	14 17	21 46	22 2	4 53		n.a.
W 4	3 14	20 46	0 20	12 15	2 43	4 46	0 47	2 22	0 28	24 19	0 34	3 0	2 18	0 39	0 38	9 43	1 52	30 2	14 17	21 46	22 2	4 56		n.a.
T 5	3 38	23 41	0s45	12 12	2 37	5 16	0 45	2 40	0 27	24 19	0 35	2 57	2 18	0 40	0 38	9 43	1 52	30 2	14 17	21 46	22 1	4 59		n.a.
F 6	4 1	25 32	1 49	12 6	2 29	5 47	0 43	2 58	0 27	24 19	0 35	2 54	2 18	0 41	0 38	9 44	1 52	30 2	14 17	21 46	22 1	5 2		n.a.
S 7	4 24	26 9	2 49	11 57	2 20	6 18	0 41	3 16	0 26	24 19	0 35	2 51	2 18	0 43	0 38	9 45	1 52	30 2	14 18	21 46	22 0	5 5		n.a.
S 8	4 46	25 21	3 42	11 45	2 10	6 48	0 39	3 33	0 25	24 19	0 35	2 48	2 19	0 44	0 38	9 46	1 52	30 2	14 18	21 46	22 0	5 8		n.a.
M 9	5 9	23 7	4 25	11 30	1 59	7 18	0 37	3 51	0 25	24 19	0 35	2 45	2 19	0 46	0 38	9 46	1 52	30 2	14 18	21 45	21 59	5 11		n.a.
T 10	5 32	19 27	4 54	11 12	1 47	7 48	0 34	4 9	0 24	24 19	0 35	2 42	2 19	0 47	0 38	9 47	1 52	30 2	14 19	21 45	21 59	5 14		n.a.
W11	5 55	14 33	5 7	10 52	1 33	8 18	0 32	4 26	0 24	24 19	0 35	2 39	2 19	0 48	0 38	9 48	1 52	30 2	14 19	21 44	21 58	5 17		n.a.
T 12	6 17	8 40	4 59	10 30	1 19	8 48	0 30	4 44	0 23	24 19	0 35	2 36	2 19	0 50	0 38	9 49	1 52	30 2	14 19	21 42	21 58	5 20		n.a.
F 13	6 40	2 10	4 30	10 6	1 4	9 17	0 28	5 1	0 23	24 19	0 35	2 33	2 19	0 51	0 38	9 50	1 52	30 2	14 20	21 41	21 57	5 24		n.a.
S 14	7 2	4n33	3 43	9 40	0 48	9 47	0 26	5 19	0 22	24 19	0 35	2 30	2 19	0 52	0 38	9 50	1 52	30 2	14 20	21 40	21 57	5 27		n.a.
S 15	7 24	10 59	2 39	9 13	0 32	10 16	0 23	5 36	0 21	24 19	0 35	2 27	2 19	0 54	0 38	9 51	1 52	30 2	14 20	21 39	21 56	5 30		n.a.
M16	7 46	16 43	1 25	8 44	0 15	10 45	0 21	5 53	0 21	24 19	0 35	2 24	2 19	0 55	0 38	9 52	1 52	30 2	14 21	21 38	21 56	5 33		n.a.
T 17	8 8	21 19	0 7	8 16	0s 2	11 13	0 19	6 10	0 20	24 19	0 35	2 21	2 19	0 56	0 38	9 53	1 52	30 2	14 21	21 38	21 55	5 36		n.a.
W18	8 30	24 29	1n10	7 46	0 19	11 41	0 16	6 27	0 20	24 19	0 35	2 18	2 19	0 58	0 38	9 54	1 52	30 2	14 21	21 38	21 55	5 39		n.a.
T 19	8 52	26 3	2 21	7 17	0 36	12 10	0 14	6 44	0 19	24 19	0 35	2 15	2 19	0 59	0 38	9 54	1 52	30 2	14 22	21 39	21 54	5 42		n.a.
F 20	9 14	26 1	3 21	6 49	0 53	12 37	0 12	7 1	0 18	24 19	0 35	2 13	2 19	1 0	0 38	9 55	1 52	30 2	14 22	21 39	21 54	5 45		n.a.
S 21	9 35	24 32	4 9	6 21	1 10	13 5	0 9	7 18	0 18	24 19	0 35	2 10	2 20	1 2	0 38	9 56	1 52	30 3	14 22	21 39	21 53	5 48		n.a.
S 22	9 56	21 50	4 44	5 54	1 26	13 32	0 7	7 35	0 17	24 19	0 35	2 7	2 20	1 3	0 38	9 57	1 52	30 3	14 23	21 38	21 53	5 51		n.a.
M23	10 18	18 11	5 4	5 29	1 41	13 59	0 4	7 52	0 17	24 19	0 35	2 4	2 20	1 4	0 38	9 58	1 52	30 3	14 23	21 38	21 52	5 54		n.a.
T 24	10 39	13 49	5 10	5 6	1 56	14 25	0 2	8 8	0 16	24 19	0 35	2 1	2 20	1 6	0 38	9 58	1 52	30 3	14 23	21 37	21 52	5 57		n.a.
W25	10 59	8 59	5 2	4 45	2 10	14 51	0n 1	8 25	0 15	24 19	0 35	1 58	2 20	1 7	0 38	9 59	1 51	30 3	14 24	21 36	21 51	6 0		n.a.
T 26	11 20	3 52	4 41	4 26	2 23	15 17	0 3	8 42	0 15	24 19	0 35	1 56	2 20	1 8	0 38	10 0	1 51	30 3	14 24	21 35	21 51	6 3		n.a.
F 27	11 41	1s22	4 8	4 9	2 35	15 43	0 5	8 58	0 14	24 19	0 35	1 53	2 20	1 9	0 38	10 1	1 51	30 3	14 24	21 34	21 50	6 6		n.a.
S 28	12 1	6 33	3 24	3 55	2 46	16 8	0 8	9 14	0 14	24 18	0 35	1 50	2 20	1 11	0 38	10 2	1 51	30 3	14 25	21 33	21 50	6 10		n.a.
S 29	12 21	11 30	2 32	3 43	2 56	16 32	0 10	9 30	0 13	24 18	0 35	1 47	2 20	1 12	0 38	10 2	1 51	30 4	14 25	21 32	21 49	6 13		n.a.
M30	12n41	16s 4	1n32	3n34	3s 5	16n56	0n13	9n46	0s12	24n18	0n35	1s45	2s21	1n13	0s38	10n 3	1s51	30s 4	14s25	21n31	21n49	6s16		n.a.

Julian Day Number = 1568838.5, Delta T = 04h19m06s
Ecliptic obliquity = 23°44'49, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'29, Lahiri = - 9°43'29 Julian Calendar 1 Apr. 418 BCE == Greg. Calendar 27 March 418 BCE

The year -417 astronomical counting style corresponds to year 418 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

MAY 418 BCE (-417) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 12 11	3♉59'28	0♐23	16♈ 8	16♉52	26♈ 9	2♋40	1♈ 7	4♈32	0♉32	15♒36	5°D37	7♊15	24♎23	n.a.	T 1
W 2	14 16 8	4°56'46	12°25	16°16	18° 6	26°51	2°49	1°14	4°35	0°34	15°36	5♊37	7°12	24°29	n.a.	W 2
T 3	14 20 4	5°54'04	24°36	16°27	19°19	27°33	2°59	1°20	4°38	0°36	15°37	5°38	7° 9	24°36	n.a.	T 3
F 4	14 24 1	6°51'21	6♑59	16°43	20°32	28°15	3° 9	1°27	4°41	0°39	15°37	5°40	7° 5	24°43	n.a.	F 4
S 5	14 27 57	7°48'37	19°38	17° 4	21°46	28°56	3°18	1°34	4°44	0°41	15°37	5°42	7° 2	24°50	n.a.	S 5
S 6	14 31 54	8°45'53	2♒37	17°29	22°59	29°38	3°28	1°41	4°47	0°43	15°38	5°42	6°59	24°56	n.a.	S 6
M 7	14 35 51	9°43'08	15°59	17°59	24°13	0♉20	3°38	1°48	4°50	0°45	15°38	5°R42	6°56	25° 3	n.a.	M 7
T 8	14 39 47	10°40'22	29°45	18°32	25°26	1° 2	3°48	1°54	4°53	0°47	15°39	5°41	6°53	25°10	n.a.	T 8
W 9	14 43 44	11°37'37	13♓57	19°10	26°40	1°43	3°59	2° 1	4°56	0°50	15°39	5°39	6°50	25°16	n.a.	W 9
T 10	14 47 40	12°34'50	28°33	19°52	27°53	2°25	4° 9	2° 8	4°59	0°52	15°39	5°37	6°46	25°23	n.a.	T 10
F 11	14 51 37	13°32'03	13♈28	20°38	29° 6	3° 6	4°19	2°14	5° 2	0°54	15°39	5°34	6°43	25°30	n.a.	F 11
S 12	14 55 33	14°29'16	28°34	21°27	0♊20	3°48	4°30	2°21	5° 5	0°56	15°40	5°31	6°40	25°36	n.a.	S 12
S 13	14 59 30	15°26'28	13♉43	22°21	1°33	4°29	4°40	2°27	5° 7	0°58	15°40	5°29	6°37	25°43	n.a.	S 13
M14	15 3 26	16°23'40	28°45	23°18	2°47	5°10	4°51	2°33	5°10	1° 1	15°40	5°D28	6°34	25°50	n.a.	M14
T 15	15 7 23	17°20'52	13♊31	24°19	4° 0	5°52	5° 2	2°40	5°13	1° 3	15°40	5°28	6°31	25°56	n.a.	T 15
W16	15 11 20	18°18'02	27°56	25°23	5°13	6°33	5°12	2°46	5°16	1° 5	15°41	5°29	6°27	26° 3	n.a.	W16
T 17	15 15 16	19°15'12	11♋56	26°31	6°27	7°14	5°23	2°52	5°18	1° 7	15°41	5°30	6°24	26°10	n.a.	T 17
F 18	15 19 13	20°12'22	25°29	27°43	7°40	7°55	5°34	2°58	5°21	1° 9	15°41	5°31	6°21	26°16	n.a.	F 18
S 19	15 23 9	21° 9'30	8♌36	28°58	8°53	8°36	5°45	3° 4	5°24	1°11	15°41	5°32	6°18	26°23	n.a.	S 19
S 20	15 27 6	22° 6'38	21°21	0♉16	10° 6	9°17	5°56	3°10	5°26	1°14	15°41	5°R33	6°15	26°30	n.a.	S 20
M21	15 31 2	23° 3'45	3♍47	1°38	11°20	9°58	6° 7	3°16	5°29	1°16	15°41	5°32	6°11	26°36	n.a.	M21
T 22	15 34 59	24° 0'52	15°58	3° 3	12°33	10°39	6°19	3°22	5°31	1°18	15°R41	5°32	6° 8	26°43	n.a.	T 22
W23	15 38 55	24°57'58	27°58	4°31	13°46	11°20	6°30	3°28	5°34	1°20	15°41	5°30	6° 5	26°50	n.a.	W23
T 24	15 42 52	25°55'04	9♎52	6° 3	14°59	12° 1	6°41	3°34	5°36	1°22	15°41	5°29	6° 2	26°56	n.a.	T 24
F 25	15 46 49	26°52'09	21°42	7°37	16°13	12°42	6°53	3°40	5°39	1°24	15°41	5°28	5°59	27° 3	n.a.	F 25
S 26	15 50 45	27°49'14	3♏32	9°15	17°26	13°23	7° 4	3°45	5°41	1°26	15°41	5°27	5°56	27°10	n.a.	S 26
S 27	15 54 42	28°46'19	15°24	10°56	18°39	14° 3	7°16	3°51	5°44	1°28	15°41	5°26	5°52	27°16	n.a.	S 27
M28	15 58 38	29°43'24	27°22	12°40	19°52	14°44	7°27	3°56	5°46	1°30	15°41	5°26	5°49	27°23	n.a.	M28
T 29	16 2 35	0♊40'28	9♐26	14°27	21° 5	15°25	7°39	4° 2	5°48	1°32	15°40	5°D26	5°46	27°30	n.a.	T 29
W30	16 6 31	1°37'33	21°39	16°17	22°18	16° 5	7°51	4° 7	5°51	1°34	15°40	5°26	5°43	27°36	n.a.	W30
T 31	16 10 28	2♊34'38	4♑ 4	18♉10	23♊31	16♉46	8♋ 2	4♈13	5♈53	1♉36	15♒40	5♊26	5♊40	27♎43	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13n 1	20s 2	0n29	3n28	3s12	17n20	0n15	10n 3	0s12	24n18	0n35	1s42	2s21	1n14	0s38	10n 4	1s51	30s 4	14s26	21n31	21n48	6s19		n.a.
W 2	13 20	23 11	0s37	3 25	3 19	17 43	0 18	10 18	0 11	24 18	0 35	1 39	2 21	1 16	0 38	10 5	1 51	30 4	14 26	21 31	21 47	6 22		n.a.
T 3	13 40	25 20	1 42	3 24	3 25	18 6	0 20	10 34	0 10	24 18	0 35	1 37	2 21	1 17	0 38	10 6	1 51	30 4	14 27	21 31	21 47	6 25		n.a.
F 4	13 59	26 17	2 44	3 26	3 29	18 29	0 23	10 50	0 10	24 17	0 35	1 34	2 21	1 18	0 38	10 6	1 51	30 4	14 27	21 32	21 46	6 28		n.a.
S 5	14 18	25 53	3 38	3 31	3 33	18 51	0 25	11 6	0 9	24 17	0 35	1 31	2 21	1 19	0 38	10 7	1 51	30 5	14 27	21 32	21 46	6 31		n.a.
S 6	14 36	24 6	4 24	3 39	3 35	19 12	0 27	11 21	0 9	24 17	0 35	1 29	2 21	1 20	0 38	10 8	1 51	30 5	14 28	21 32	21 45	6 34		n.a.
M 7	14 55	20 57	4 56	3 48	3 37	19 33	0 30	11 37	0 8	24 17	0 35	1 26	2 22	1 22	0 38	10 9	1 51	30 5	14 28	21 32	21 45	6 37		n.a.
T 8	15 13	16 34	5 13	4 1	3 37	19 53	0 32	11 52	0 7	24 16	0 35	1 24	2 22	1 23	0 38	10 9	1 52	30 5	14 28	21 32	21 44	6 40		n.a.
W 9	15 31	11 10	5 11	4 16	3 37	20 13	0 35	12 7	0 7	24 16	0 35	1 21	2 22	1 24	0 38	10 10	1 52	30 6	14 29	21 31	21 44	6 43		n.a.
T 10	15 49	5 0	4 50	4 33	3 35	20 32	0 37	12 22	0 6	24 16	0 35	1 19	2 22	1 25	0 38	10 11	1 52	30 6	14 29	21 31	21 43	6 46		n.a.
F 11	16 6	1n34	4 9	4 52	3 33	20 51	0 39	12 37	0 6	24 16	0 35	1 16	2 22	1 26	0 38	10 12	1 52	30 6	14 29	21 30	21 43	6 49		n.a.
S 12	16 23	8 9	3 10	5 13	3 30	21 9	0 42	12 52	0 5	24 15	0 35	1 14	2 22	1 27	0 38	10 13	1 52	30 6	14 30	21 30	21 42	6 52		n.a.
S 13	16 40	14 18	1 57	5 37	3 27	21 27	0 44	13 7	0 4	24 15	0 35	1 11	2 22	1 28	0 38	10 13	1 52	30 7	14 30	21 30	21 42	6 55		n.a.
M14	16 57	19 32	0 37	6 2	3 22	21 44	0 46	13 21	0 4	24 15	0 35	1 9	2 23	1 30	0 38	10 14	1 52	30 7	14 31	21 29	21 41	6 59		n.a.
T 15	17 14	23 27	0n44	6 30	3 17	22 1	0 48	13 36	0 3	24 14	0 35	1 6	2 23	1 31	0 38	10 15	1 52	30 7	14 31	21 29	21 40	7 2		n.a.
W16	17 30	25 45	2 1	6 59	3 11	22 16	0 51	13 50	0 3	24 14	0 35	1 4	2 23	1 32	0 38	10 16	1 52	30 8	14 31	21 30	21 40	7 5		n.a.
T 17	17 46	26 20	3 8	7 30	3 5	22 32	0 53	14 4	0 2	24 13	0 35	1 2	2 23	1 33	0 38	10 16	1 52	30 8	14 32	21 30	21 39	7 8		n.a.
F 18	18 1	25 17	4 2	8 2	2 58	22 46	0 55	14 19	0 1	24 13	0 35	0 59	2 23	1 34	0 39	10 17	1 52	30 8	14 32	21 30	21 39	7 11		n.a.
S 19	18 17	22 52	4 42	8 36	2 50	23 0	0 57	14 33	0 1	24 12	0 35	0 57	2 24	1 35	0 39	10 18	1 52	30 8	14 32	21 30	21 38	7 14		n.a.
S 20	18 32	19 24	5 7	9 12	2 42	23 13	0 59	14 46	0 0	24 12	0 35	0 55	2 24	1 36	0 39	10 18	1 52	30 9	14 33	21 30	21 38	7 17		n.a.
M21	18 47	15 9	5 16	9 48	2 33	23 26	1 1	15 0	0n 1	24 11	0 35	0 53	2 24	1 37	0 39	10 19	1 52	30 9	14 33	21 30	21 37	7 20		n.a.
T 22	19 1	10 22	5 11	10 26	2 24	23 38	1 3	15 14	0 1	24 11	0 35	0 50	2 24	1 38	0 39	10 20	1 52	30 9	14 34	21 30	21 37	7 23		n.a.
W23	19 15	5 17	4 53	11 6	2 14	23 49	1 5	15 27	0 2	24 10	0 35	0 48	2 24	1 39	0 39	10 21	1 52	30 10	14 34	21 30	21 36	7 26		n.a.
T 24	19 29	0 3	4 21	11 46	2 4	24 0	1 7	15 41	0 2	24 10	0 35	0 46	2 24	1 40	0 39	10 21	1 52	30 10	14 34	21 30	21 35	7 29		n.a.
F 25	19 42	5s11	3 39	12 27	1 53	24 10	1 9	15 54	0 3	24 9	0 35	0 44	2 25	1 41	0 39	10 22	1 52	30 11	14 35	21 29	21 35	7 32		n.a.
S 26	19 56	10 13	2 48	13 9	1 42	24 19	1 11	16 7	0 4	24 9	0 35	0 42	2 25	1 42	0 39	10 23	1 52	30 11	14 35	21 29	21 34	7 35		n.a.
S 27	20 9	14 56	1 49	13 51	1 31	24 28	1 13	16 20	0 4	24 8	0 36	0 40	2 25	1 43	0 39	10 23	1 52	30 11	14 35	21 29	21 34	7 38		n.a.
M28	20 21	19 6	0 45	14 34	1 20	24 35	1 14	16 33	0 5	24 8	0 36	0 38	2 25	1 44	0 39	10 24	1 52	30 12	14 36	21 29	21 33	7 41		n.a.
T 29	20 33	22 31	0s22	15 18	1 8	24 42	1 16	16 45	0 6	24 7	0 36	0 36	2 26	1 45	0 39	10 25	1 52	30 12	14 36	21 29	21 33	7 44		n.a.
W30	20 45	24 58	1 29	16 1	0 57	24 49	1 18	16 58	0 6	24 6	0 36	0 34	2 26	1 45	0 39	10 25	1 52	30 12	14 36	21 29	21 32	7 47		n.a.
T 31	20n57	26s13	2s32	16n44	0s45	24n54	1n19	17n10	0n 7	24n 6	0n36	0s32	2s26	1n46	0s39	10n26	1s52	30s13	14s37	21n29	21n31	7s50		n.a.

Julian Day Number = 1568868.5, Delta T = 04h19m05s
Ecliptic obliquity = 23°44'49, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'25, Lahiri = - 9°43'25 Julian Calendar 1 May 418 BCE == Greg. Calendar 26 Apr. 418 BCE

The year -417 astronomical counting style corresponds to year 418 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

JUNE 418 BCE (-417) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 14 25	3♊31'43	16♋40	20♉ 5	24♊44	17♉26	8♋14	4♈18	5♈55	1♉38	15°R40	5♊26	5♊37	27♎50	n.a.	F 1
S 2	16 18 21	4°28'48	29°31	22° 3	25°58	18° 7	8°26	4°23	5°57	1°40	15♒40	5°26	5°33	27°57	n.a.	S 2
S 3	16 22 18	5°25'53	12♒38	24° 3	27°11	18°47	8°38	4°28	5°59	1°42	15°39	5°R26	5°30	28° 3	n.a.	S 3
M 4	16 26 14	6°22'59	26° 3	26° 6	28°24	19°28	8°50	4°33	6° 1	1°44	15°39	5°26	5°27	28°10	n.a.	M 4
T 5	16 30 11	7°20'06	9♓46	28°10	29°37	20° 8	9° 2	4°38	6° 3	1°46	15°39	5°D26	5°24	28°17	n.a.	T 5
W 6	16 34 7	8°17'12	23°49	0♊15	0♋50	20°48	9°14	4°43	6° 5	1°48	15°38	5°27	5°21	28°23	n.a.	W 6
T 7	16 38 4	9°14'20	8♈ 9	2°22	2° 3	21°28	9°26	4°48	6° 7	1°50	15°38	5°27	5°17	28°30	n.a.	T 7
F 8	16 42 0	10°11'28	22°44	4°30	3°16	22° 9	9°39	4°52	6° 9	1°52	15°38	5°27	5°14	28°37	n.a.	F 8
S 9	16 45 57	11° 8'36	7♉30	6°39	4°29	22°49	9°51	4°57	6°11	1°53	15°37	5°28	5°11	28°43	n.a.	S 9
S 10	16 49 54	12° 5'45	22°21	8°48	5°42	23°29	10° 3	5° 2	6°13	1°55	15°37	5°28	5° 8	28°50	n.a.	S 10
M11	16 53 50	13° 2'55	7♊ 9	10°57	6°55	24° 9	10°15	5° 6	6°15	1°57	15°36	5°R28	5° 5	28°57	n.a.	M11
T 12	16 57 47	14° 0'05	21°46	13° 6	8° 8	24°49	10°28	5°10	6°17	1°59	15°36	5°28	5° 2	29° 3	n.a.	T 12
W13	17 1 43	14°57'16	6♋ 8	15°15	9°21	25°29	10°40	5°15	6°18	2° 1	15°36	5°27	4°58	29°10	n.a.	W13
T 14	17 5 40	15°54'26	20° 8	17°23	10°33	26° 9	10°53	5°19	6°20	2° 2	15°35	5°26	4°55	29°17	n.a.	T 14
F 15	17 9 36	16°51'38	3♌44	19°30	11°46	26°49	11° 5	5°23	6°22	2° 4	15°35	5°25	4°52	29°23	n.a.	F 15
S 16	17 13 33	17°48'49	16°56	21°36	12°59	27°28	11°18	5°27	6°23	2° 6	15°34	5°23	4°49	29°30	n.a.	S 16
S 17	17 17 29	18°46'01	29°45	23°41	14°12	28° 8	11°30	5°31	6°25	2° 7	15°33	5°22	4°46	29°37	n.a.	S 17
M18	17 21 26	19°43'13	12♍13	25°45	15°25	28°48	11°43	5°35	6°26	2° 9	15°33	5°21	4°43	29°43	n.a.	M18
T 19	17 25 23	20°40'25	24°25	27°47	16°38	29°28	11°56	5°39	6°28	2°11	15°32	5°D21	4°39	29°50	n.a.	T 19
W20	17 29 19	21°37'38	6♎25	29°48	17°51	0♊ 7	12° 8	5°43	6°29	2°12	15°32	5°22	4°36	29°57	n.a.	W20
T 21	17 33 16	22°34'51	18°17	1♋47	19° 3	0°47	12°21	5°46	6°30	2°14	15°31	5°23	4°33	0♏ 3	n.a.	T 21
F 22	17 37 12	23°32'05	0♏ 7	3°45	20°16	1°27	12°34	5°50	6°32	2°16	15°30	5°24	4°30	0°10	n.a.	F 22
S 23	17 41 9	24°29'19	11°58	5°41	21°29	2° 6	12°47	5°53	6°33	2°17	15°30	5°26	4°27	0°17	n.a.	S 23
S 24	17 45 5	25°26'34	23°55	7°35	22°41	2°46	12°59	5°56	6°34	2°19	15°29	5°27	4°23	0°23	n.a.	S 24
M25	17 49 2	26°23'50	6♐ 0	9°28	23°54	3°25	13°12	6° 0	6°35	2°20	15°28	5°R27	4°20	0°30	n.a.	M25
T 26	17 52 59	27°21'07	18°16	11°19	25° 7	4° 4	13°25	6° 3	6°37	2°22	15°27	5°27	4°17	0°37	n.a.	T 26
W27	17 56 55	28°18'24	0♑45	13° 8	26°19	4°44	13°38	6° 6	6°38	2°23	15°27	5°25	4°14	0°43	n.a.	W27
T 28	18 0 52	29°15'43	13°27	14°56	27°32	5°23	13°51	6° 9	6°39	2°24	15°26	5°22	4°11	0°50	n.a.	T 28
F 29	18 4 48	0♋13'02	26°24	16°42	28°45	6° 2	14° 4	6°12	6°40	2°26	15°25	5°19	4° 8	0°57	n.a.	F 29
S 30	18 8 45	1♋10'22	9♒35	18♋26	29♋57	6♊42	14♋17	6♈14	6♈41	2♉27	15♒24	5♊15	4♊ 4	1♏ 3	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n 8	26s 9	3s29	17n27	0s33	24n59	1n21	17n22	0n 7	24n 5	0n36	0s30	2s26	1n47	0s39	10n27	1s52	30s13	14s37	21n29	21n31	7s54		n.a.
S 2	21 19	24 42	4 17	18 10	0 22	25 3	1 22	17 34	0 8	24 4	0 36	0 28	2 26	1 48	0 39	10 27	1 52	30 14	14 37	21 29	21 30	7 57		n.a.
S 3	21 29	21 54	4 53	18 52	0 10	25 7	1 24	17 46	0 9	24 3	0 36	0 26	2 27	1 49	0 39	10 28	1 52	30 14	14 38	21 29	21 30	8 0		n.a.
M 4	21 39	17 54	5 13	19 32	0n 1	25 9	1 25	17 58	0 9	24 3	0 36	0 25	2 27	1 50	0 39	10 29	1 52	30 15	14 38	21 29	21 29	8 3		n.a.
T 5	21 49	12 52	5 16	20 12	0 12	25 11	1 26	18 10	0 10	24 2	0 36	0 23	2 27	1 50	0 39	10 29	1 52	30 15	14 39	21 29	21 29	8 6		n.a.
W 6	21 58	7 5	5 1	20 50	0 23	25 12	1 28	18 21	0 10	24 1	0 36	0 21	2 27	1 51	0 39	10 30	1 52	30 15	14 39	21 29	21 28	8 9		n.a.
T 7	22 7	0 49	4 27	21 26	0 33	25 13	1 29	18 32	0 11	24 0	0 36	0 19	2 28	1 52	0 39	10 31	1 52	30 16	14 39	21 29	21 28	8 12		n.a.
F 8	22 16	5n37	3 36	22 1	0 43	25 12	1 30	18 44	0 12	23 59	0 36	0 18	2 28	1 53	0 39	10 31	1 52	30 16	14 40	21 29	21 27	8 15		n.a.
S 9	22 24	11 51	2 29	22 33	0 52	25 11	1 31	18 55	0 12	23 59	0 36	0 16	2 28	1 54	0 39	10 32	1 52	30 17	14 40	21 29	21 26	8 18		n.a.
S 10	22 32	17 26	1 12	23 3	1 1	25 9	1 32	19 5	0 13	23 58	0 36	0 14	2 28	1 54	0 39	10 32	1 52	30 17	14 40	21 29	21 26	8 21		n.a.
M11	22 39	21 56	0n 9	23 30	1 9	25 7	1 33	19 16	0 14	23 57	0 36	0 13	2 28	1 55	0 39	10 33	1 52	30 18	14 41	21 29	21 25	8 24		n.a.
T 12	22 46	24 58	1 29	23 55	1 16	25 3	1 34	19 27	0 14	23 56	0 36	0 11	2 29	1 56	0 39	10 34	1 52	30 18	14 41	21 29	21 25	8 27		n.a.
W13	22 53	26 18	2 42	24 17	1 23	24 59	1 35	19 37	0 15	23 55	0 36	0 10	2 29	1 56	0 39	10 34	1 52	30 19	14 41	21 29	21 24	8 30		n.a.
T 14	22 59	25 53	3 43	24 37	1 29	24 55	1 36	19 47	0 15	23 54	0 36	0 8	2 29	1 57	0 39	10 35	1 52	30 19	14 42	21 29	21 23	8 33		n.a.
F 15	23 5	23 56	4 30	24 53	1 34	24 49	1 36	19 57	0 16	23 53	0 36	0 7	2 29	1 58	0 39	10 35	1 52	30 20	14 42	21 29	21 23	8 36		n.a.
S 16	23 11	20 43	5 0	25 7	1 39	24 43	1 37	20 7	0 17	23 52	0 36	0 6	2 30	1 58	0 39	10 36	1 52	30 20	14 42	21 29	21 22	8 39		n.a.
S 17	23 16	16 36	5 15	25 18	1 43	24 36	1 37	20 17	0 17	23 51	0 36	0 4	2 30	1 59	0 39	10 36	1 53	30 20	14 43	21 28	21 22	8 42		n.a.
M18	23 21	11 53	5 14	25 26	1 46	24 28	1 38	20 26	0 18	23 50	0 37	0 3	2 30	1 59	0 39	10 37	1 53	30 21	14 43	21 28	21 21	8 45		n.a.
T 19	23 25	6 49	4 59	25 32	1 48	24 19	1 38	20 36	0 19	23 49	0 37	0 2	2 30	2 0	0 39	10 37	1 53	30 21	14 43	21 28	21 21	8 48		n.a.
W20	23 29	1 34	4 31	25 35	1 50	24 10	1 39	20 45	0 19	23 48	0 37	0 0	2 31	2 0	0 39	10 38	1 53	30 22	14 44	21 28	21 20	8 51		n.a.
T 21	23 32	3s41	3 52	25 35	1 51	24 0	1 39	20 54	0 20	23 46	0 37	0n 1	2 31	2 1	0 39	10 39	1 53	30 22	14 44	21 28	21 19	8 54		n.a.
F 22	23 35	8 48	3 3	25 33	1 52	23 50	1 39	21 3	0 20	23 45	0 37	0 2	2 31	2 1	0 39	10 39	1 53	30 23	14 44	21 29	21 19	8 57		n.a.
S 23	23 38	13 37	2 6	25 29	1 51	23 38	1 39	21 11	0 21	23 44	0 37	0 3	2 32	2 2	0 39	10 40	1 53	30 23	14 44	21 29	21 18	9 0		n.a.
S 24	23 40	17 58	1 3	25 22	1 51	23 26	1 39	21 20	0 22	23 43	0 37	0 4	2 32	2 2	0 39	10 40	1 53	30 24	14 45	21 29	21 18	9 3		n.a.
M25	23 42	21 38	0s 3	25 13	1 49	23 14	1 39	21 28	0 22	23 42	0 37	0 5	2 32	2 3	0 39	10 40	1 53	30 25	14 45	21 29	21 17	9 6		n.a.
T 26	23 43	24 23	1 10	25 2	1 47	23 1	1 39	21 36	0 23	23 40	0 37	0 6	2 32	2 3	0 39	10 41	1 53	30 25	14 45	21 29	21 16	9 9		n.a.
W27	23 44	25 59	2 15	24 50	1 45	22 47	1 39	21 44	0 23	23 39	0 37	0 7	2 33	2 4	0 39	10 41	1 53	30 26	14 46	21 29	21 16	9 13		n.a.
T 28	23 45	26 16	3 14	24 35	1 42	22 32	1 39	21 52	0 24	23 38	0 37	0 8	2 33	2 4	0 39	10 42	1 53	30 26	14 46	21 28	21 15	9 16		n.a.
F 29	23 45	25 8	4 4	24 19	1 38	22 17	1 38	22 0	0 25	23 37	0 37	0 9	2 33	2 4	0 40	10 42	1 53	30 27	14 46	21 28	21 15	9 19		n.a.
S 30	23n44	22s37	4s43	24n 1	1n34	22n 1	1n38	22n 7	0n25	23n35	0n37	0n10	2s33	2n 5	0s40	10n43	1s53	30s27	14s46	21n27	21n14	9s22		n.a.

Julian Day Number = 1568899.5, Delta T = 04h19m03s
Ecliptic obliquity = 23°44'48, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'21, Lahiri = - 9°43'21 Julian Calendar 1 June 418 BCE == Greg. Calendar 27 May 418 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

JULY 418 BCE (-417) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 12 41	2♋ 7'44	22♒59	20♋ 9	1♌10	7♊21	14♋30	6♈17	6♈42	2♉29	15°R23	5°R11	4♊ 1	1♏10	n.a.	S 1
M 2	18 16 38	3° 5'07	6♓36	21°50	2°22	8° 0	14°43	6°20	6°42	2°30	15♒23	5♊ 8	3°58	1°17	n.a.	M 2
T 3	18 20 34	4° 2'31	20°25	23°29	3°35	8°39	14°56	6°22	6°43	2°31	15°22	5° 6	3°55	1°23	n.a.	T 3
W 4	18 24 31	4°59'57	4♈25	25° 7	4°47	9°18	15° 9	6°24	6°44	2°32	15°21	5°D 6	3°52	1°30	n.a.	W 4
T 5	18 28 28	5°57'24	18°35	26°43	6° 0	9°57	15°22	6°27	6°45	2°34	15°20	5° 6	3°49	1°37	n.a.	T 5
F 6	18 32 24	6°54'52	2♉53	28°17	7°12	10°36	15°35	6°29	6°45	2°35	15°19	5° 7	3°45	1°43	n.a.	F 6
S 7	18 36 21	7°52'22	17°16	29°50	8°24	11°15	15°48	6°31	6°46	2°36	15°18	5° 9	3°42	1°50	n.a.	S 7
S 8	18 40 17	8°49'54	1♊42	1♌21	9°37	11°54	16° 1	6°33	6°46	2°37	15°17	5°R10	3°39	1°57	n.a.	S 8
M 9	18 44 14	9°47'27	16° 5	2°51	10°49	12°33	16°14	6°35	6°47	2°38	15°16	5° 9	3°36	2° 3	n.a.	M 9
T 10	18 48 10	10°45'01	0♋23	4°19	12° 1	13°12	16°27	6°37	6°47	2°39	15°15	5° 7	3°33	2°10	n.a.	T 10
W11	18 52 7	11°42'37	14°29	5°45	13°14	13°50	16°40	6°38	6°48	2°40	15°14	5° 4	3°29	2°17	n.a.	W11
T 12	18 56 3	12°40'14	28°18	7° 9	14°26	14°29	16°53	6°40	6°48	2°41	15°13	4°58	3°26	2°23	n.a.	T 12
F 13	19 0 0	13°37'53	11♌49	8°32	15°38	15° 8	17° 6	6°41	6°48	2°42	15°12	4°52	3°23	2°30	n.a.	F 13
S 14	19 3 57	14°35'32	24°58	9°53	16°50	15°47	17°20	6°43	6°49	2°43	15°11	4°46	3°20	2°37	n.a.	S 14
S 15	19 7 53	15°33'13	7♍47	11°12	18° 2	16°25	17°33	6°44	6°49	2°44	15°10	4°40	3°17	2°43	n.a.	S 15
M16	19 11 50	16°30'55	20°16	12°29	19°15	17° 4	17°46	6°45	6°49	2°45	15° 9	4°35	3°14	2°50	n.a.	M16
T 17	19 15 46	17°28'38	2♎28	13°45	20°27	17°42	17°59	6°46	6°49	2°46	15° 8	4°32	3°10	2°57	n.a.	T 17
W18	19 19 43	18°26'22	14°28	14°58	21°39	18°21	18°12	6°47	6°49	2°47	15° 7	4°D31	3° 7	3° 3	n.a.	W18
T 19	19 23 39	19°24'08	26°20	16° 9	22°51	18°59	18°25	6°48	6°R49	2°48	15° 6	4°31	3° 4	3°10	n.a.	T 19
F 20	19 27 36	20°21'55	8♏10	17°18	24° 3	19°38	18°38	6°48	6°49	2°48	15° 5	4°32	3° 1	3°17	n.a.	F 20
S 21	19 31 32	21°19'43	20° 2	18°25	25°15	20°16	18°51	6°49	6°49	2°49	15° 4	4°33	2°58	3°23	n.a.	S 21
S 22	19 35 29	22°17'33	2♐ 2	19°30	26°26	20°54	19° 5	6°49	6°49	2°50	15° 3	4°R34	2°54	3°30	n.a.	S 22
M23	19 39 26	23°15'24	14°13	20°32	27°38	21°33	19°18	6°50	6°49	2°51	15° 1	4°34	2°51	3°37	n.a.	M23
T 24	19 43 22	24°13'17	26°40	21°32	28°50	22°11	19°31	6°50	6°49	2°51	15° 0	4°31	2°48	3°43	n.a.	T 24
W25	19 47 19	25°11'11	9♑24	22°29	0♍ 2	22°49	19°44	6°50	6°48	2°52	14°59	4°27	2°45	3°50	n.a.	W25
T 26	19 51 15	26° 9'07	22°26	23°23	1°14	23°27	19°57	6°R50	6°48	2°53	14°58	4°20	2°42	3°57	n.a.	T 26
F 27	19 55 12	27° 7'04	5♒46	24°14	2°25	24° 5	20°10	6°50	6°48	2°53	14°57	4°12	2°39	4° 3	n.a.	F 27
S 28	19 59 8	28° 5'04	19°22	25° 2	3°37	24°44	20°23	6°50	6°47	2°54	14°56	4° 3	2°35	4°10	n.a.	S 28
S 29	20 3 5	29° 3'05	3♓12	25°46	4°49	25°22	20°36	6°50	6°47	2°54	14°55	3°55	2°32	4°17	n.a.	S 29
M30	20 7 1	0♌ 1'07	17°11	26°27	6° 0	26° 0	20°49	6°49	6°46	2°55	14°53	3°47	2°29	4°23	n.a.	M30
T 31	20 10 58	0♌59'12	1♈16	27♌ 4	7♍12	26♊38	21♋ 2	6°49	6°46	2°55	14♒52	3♊41	2♊26	4♏30	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	23n44	18s50	5s 6	23n42	1n30	21n44	1n37	22n14	0n26	23n34	0n37	0n11	2s34	2n 5	0s40	10n43	1s53	30s28	14s47	21n26	21n13	9s25			n.a.
M 2	23 43	14 2	5 13	23 21	1 25	21 27	1 37	22 22	0 27	23 33	0 37	0 12	2 34	2 5	0 40	10 43	1 53	30 28	14 47	21 26	21 13	9 28			n.a.
T 3	23 41	8 27	5 2	22 59	1 20	21 10	1 36	22 28	0 27	23 31	0 37	0 12	2 34	2 6	0 40	10 44	1 53	30 29	14 47	21 25	21 12	9 31			n.a.
W 4	23 39	2 23	4 33	22 36	1 14	20 51	1 35	22 35	0 28	23 30	0 38	0 13	2 35	2 6	0 40	10 44	1 53	30 29	14 48	21 25	21 12	9 34			n.a.
T 5	23 37	3n52	3 48	22 11	1 8	20 32	1 35	22 42	0 28	23 28	0 38	0 14	2 35	2 6	0 40	10 45	1 53	30 30	14 48	21 25	21 11	9 37			n.a.
F 6	23 34	10 1	2 47	21 46	1 1	20 13	1 34	22 48	0 29	23 27	0 38	0 14	2 35	2 6	0 40	10 45	1 53	30 30	14 48	21 26	21 10	9 40			n.a.
S 7	23 31	15 40	1 36	21 20	0 55	19 53	1 33	22 54	0 30	23 25	0 38	0 15	2 35	2 7	0 40	10 45	1 53	30 31	14 48	21 26	21 10	9 43			n.a.
S 8	23 27	20 27	0 19	20 53	0 47	19 33	1 32	23 0	0 30	23 24	0 38	0 15	2 36	2 7	0 40	10 46	1 54	30 31	14 49	21 26	21 9	9 46			n.a.
M 9	23 23	24 0	0n59	20 25	0 40	19 12	1 31	23 6	0 31	23 22	0 38	0 16	2 36	2 7	0 40	10 46	1 54	30 32	14 49	21 26	21 9	9 49			n.a.
T 10	23 18	25 58	2 13	19 57	0 32	18 50	1 29	23 12	0 31	23 21	0 38	0 16	2 36	2 7	0 40	10 46	1 54	30 32	14 49	21 26	21 8	9 52			n.a.
W11	23 13	26 13	3 18	19 28	0 24	18 28	1 28	23 17	0 32	23 19	0 38	0 17	2 37	2 7	0 40	10 47	1 54	30 33	14 49	21 25	21 7	9 55			n.a.
T 12	23 8	24 50	4 9	18 59	0 16	18 6	1 27	23 22	0 33	23 18	0 38	0 17	2 37	2 7	0 40	10 47	1 54	30 33	14 49	21 24	21 7	9 58			n.a.
F 13	23 2	22 1	4 45	18 29	0 7	17 43	1 25	23 27	0 33	23 16	0 38	0 17	2 37	2 8	0 40	10 47	1 54	30 34	14 50	21 23	21 6	10 1			n.a.
S 14	22 56	18 9	5 5	17 59	0s 1	17 19	1 24	23 32	0 34	23 14	0 38	0 18	2 37	2 8	0 40	10 48	1 54	30 34	14 50	21 22	21 5	10 4			n.a.
S 15	22 50	13 32	5 9	17 28	0 10	16 55	1 22	23 37	0 35	23 13	0 38	0 18	2 38	2 8	0 40	10 48	1 54	30 35	14 50	21 21	21 5	10 7			n.a.
M16	22 43	8 28	4 58	16 58	0 20	16 31	1 20	23 42	0 35	23 11	0 38	0 18	2 38	2 8	0 40	10 48	1 54	30 36	14 50	21 20	21 4	10 10			n.a.
T 17	22 35	3 11	4 34	16 27	0 29	16 6	1 19	23 46	0 36	23 9	0 39	0 18	2 38	2 8	0 40	10 48	1 54	30 36	14 51	21 19	21 4	10 13			n.a.
W18	22 28	2s 7	3 58	15 57	0 38	15 41	1 17	23 50	0 36	23 8	0 39	0 18	2 39	2 8	0 40	10 49	1 54	30 37	14 51	21 19	21 3	10 16			n.a.
T 19	22 19	7 19	3 12	15 26	0 48	15 15	1 15	23 54	0 37	23 6	0 39	0 18	2 39	2 8	0 40	10 49	1 54	30 37	14 51	21 19	21 2	10 19			n.a.
F 20	22 11	12 14	2 18	14 56	0 58	14 49	1 13	23 58	0 38	23 4	0 39	0 18	2 39	2 8	0 40	10 49	1 54	30 38	14 51	21 19	21 2	10 22			n.a.
S 21	22 2	16 44	1 18	14 25	1 8	14 23	1 11	24 1	0 38	23 3	0 39	0 18	2 39	2 8	0 40	10 49	1 54	30 38	14 51	21 19	21 1	10 25			n.a.
S 22	21 53	20 37	0 14	13 55	1 18	13 56	1 9	24 5	0 39	23 1	0 39	0 18	2 40	2 8	0 40	10 49	1 54	30 39	14 51	21 20	21 1	10 28			n.a.
M23	21 43	23 39	0s52	13 26	1 28	13 29	1 6	24 8	0 40	22 59	0 39	0 18	2 40	2 7	0 40	10 50	1 54	30 39	14 52	21 20	21 0	10 31			n.a.
T 24	21 33	25 38	1 56	12 57	1 39	13 2	1 4	24 11	0 40	22 57	0 39	0 18	2 40	2 7	0 40	10 50	1 54	30 40	14 52	21 19	20 59	10 34			n.a.
W25	21 22	26 20	2 56	12 29	1 49	12 34	1 2	24 14	0 41	22 55	0 39	0 18	2 41	2 7	0 40	10 50	1 55	30 40	14 52	21 18	20 59	10 37			n.a.
T 26	21 11	25 36	3 48	12 1	1 59	12 6	0 59	24 16	0 41	22 53	0 39	0 17	2 41	2 7	0 40	10 50	1 55	30 41	14 52	21 17	20 58	10 40			n.a.
F 27	21 0	23 25	4 29	11 35	2 10	11 38	0 57	24 19	0 42	22 52	0 39	0 17	2 41	2 7	0 40	10 50	1 55	30 41	14 52	21 15	20 57	10 43			n.a.
S 28	20 49	19 52	4 56	11 9	2 20	11 9	0 54	24 21	0 43	22 50	0 40	0 17	2 41	2 7	0 40	10 50	1 55	30 42	14 52	21 14	20 57	10 46			n.a.
S 29	20 37	15 12	5 5	10 44	2 30	10 40	0 52	24 23	0 43	22 48	0 40	0 16	2 42	2 6	0 40	10 50	1 55	30 42	14 52	21 12	20 56	10 49			n.a.
M30	20 24	9 41	4 57	10 21	2 40	10 11	0 49	24 25	0 44	22 46	0 40	0 16	2 42	2 6	0 40	10 51	1 55	30 43	14 53	21 11	20 56	10 52			n.a.
T 31	20n12	3s38	4s31	9n59	2s50	9n42	0n46	24n27	0n44	22n44	0n40	0n16	2s42	2n 6	0s40	10n51	1s55	30s43	14s53	21n10	20n55	10s55			n.a.

Julian Day Number = 1568929.5, Delta T = 04h19m02s
Ecliptic obliquity = 23°44'48, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'17, Lahiri = - 9°43'16 Julian Calendar 1 July 418 BCE == Greg. Calendar 26 June 418 BCE

The year -417 astronomical counting style corresponds to year 418 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

AUGUST 418 BCE (-417) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 14 55	1♌57'19	15♈24	27♌37	8♍23	27♊16	21♋15	6°R48	6°R45	2♉55	14°R51	3°R38	2♊23	4♏37	n.a.	W 1
T 2	20 18 51	2°55'28	29°33	28° 6	9°35	27°53	21°28	6♈48	6♈44	2°56	14♒50	3°D37	2°20	4°43	n.a.	T 2
F 3	20 22 48	3°53'39	13♉41	28°30	10°46	28°31	21°41	6°47	6°44	2°56	14°49	3♊37	2°16	4°50	n.a.	F 3
S 4	20 26 44	4°51'53	27°47	28°49	11°57	29° 9	21°54	6°46	6°43	2°56	14°47	3°R38	2°13	4°57	n.a.	S 4
S 5	20 30 41	5°50'09	11♊50	29° 3	13° 8	29°47	22° 7	6°45	6°42	2°57	14°46	3°38	2°10	5° 3	n.a.	S 5
M 6	20 34 37	6°48'27	25°48	29°11	14°20	0♋25	22°20	6°44	6°41	2°57	14°45	3°36	2° 7	5°10	n.a.	M 6
T 7	20 38 34	7°46'47	9♋40	29°R13	15°31	1° 2	22°33	6°42	6°40	2°57	14°44	3°31	2° 4	5°17	n.a.	T 7
W 8	20 42 30	8°45'09	23°22	29°10	16°42	1°40	22°46	6°41	6°39	2°57	14°42	3°24	2° 0	5°23	n.a.	W 8
T 9	20 46 27	9°43'33	6♌53	29° 0	17°53	2°18	22°59	6°40	6°38	2°57	14°41	3°14	1°57	5°30	n.a.	T 9
F 10	20 50 24	10°41'59	20° 8	28°43	19° 4	2°55	23°12	6°38	6°37	2°57	14°40	3° 3	1°54	5°37	n.a.	F 10
S 11	20 54 20	11°40'27	3♍ 7	28°20	20°15	3°33	23°25	6°36	6°36	2°57	14°39	2°51	1°51	5°43	n.a.	S 11
S 12	20 58 17	12°38'56	15°49	27°50	21°26	4°10	23°37	6°35	6°35	2°R58	14°37	2°40	1°48	5°50	n.a.	S 12
M13	21 2 13	13°37'28	28°13	27°14	22°37	4°48	23°50	6°33	6°34	2°57	14°36	2°31	1°45	5°57	n.a.	M13
T 14	21 6 10	14°36'01	10♎23	26°31	23°48	5°25	24° 3	6°31	6°33	2°57	14°35	2°23	1°41	6° 3	n.a.	T 14
W15	21 10 6	15°34'36	22°22	25°42	24°59	6° 2	24°15	6°29	6°31	2°57	14°34	2°19	1°38	6°10	n.a.	W15
T 16	21 14 3	16°33'13	4♏13	24°48	26° 9	6°40	24°28	6°27	6°30	2°57	14°32	2°16	1°35	6°17	n.a.	T 16
F 17	21 17 59	17°31'52	16° 1	23°50	27°20	7°17	24°41	6°24	6°29	2°57	14°31	2°D15	1°32	6°23	n.a.	F 17
S 18	21 21 56	18°30'33	27°53	22°48	28°31	7°54	24°53	6°22	6°27	2°57	14°30	2°R16	1°29	6°30	n.a.	S 18
S 19	21 25 53	19°29'15	9♐53	21°44	29°41	8°31	25° 6	6°20	6°26	2°57	14°29	2°15	1°26	6°37	n.a.	S 19
M20	21 29 49	20°28'00	22° 6	20°40	0♎51	9° 9	25°18	6°17	6°24	2°56	14°28	2°14	1°22	6°43	n.a.	M20
T 21	21 33 46	21°26'46	4♑38	19°36	2° 2	9°46	25°31	6°14	6°23	2°56	14°26	2°10	1°19	6°50	n.a.	T 21
W22	21 37 42	22°25'34	17°32	18°35	3°12	10°23	25°43	6°12	6°21	2°56	14°25	2° 4	1°16	6°57	n.a.	W22
T 23	21 41 39	23°24'24	0♒49	17°38	4°22	11° 0	25°55	6° 9	6°20	2°56	14°24	1°55	1°13	7° 3	n.a.	T 23
F 24	21 45 35	24°23'16	14°29	16°47	5°32	11°37	26° 8	6° 6	6°18	2°55	14°23	1°44	1°10	7°10	n.a.	F 24
S 25	21 49 32	25°22'10	28°29	16° 2	6°42	12°14	26°20	6° 3	6°16	2°55	14°21	1°32	1° 6	7°17	n.a.	S 25
S 26	21 53 28	26°21'06	12♓46	15°26	7°52	12°50	26°32	6° 0	6°15	2°54	14°20	1°20	1° 3	7°23	n.a.	S 26
M27	21 57 25	27°20'05	27°12	14°58	9° 2	13°27	26°44	5°57	6°13	2°54	14°19	1°10	1° 0	7°30	n.a.	M27
T 28	22 1 21	28°19'05	11♈41	14°41	10°12	14° 4	26°56	5°53	6°11	2°53	14°18	1° 2	0°57	7°37	n.a.	T 28
W29	22 5 18	29°18'08	26° 8	14°D33	11°22	14°41	27° 9	5°50	6° 9	2°53	14°17	0°57	0°54	7°43	n.a.	W29
T 30	22 9 15	0♍17'14	10♉28	14°36	12°32	15°18	27°21	5°47	6° 8	2°52	14°15	0°54	0°51	7°50	n.a.	T 30
F 31	22 13 11	1♍16'22	24♉39	14♌49	13♎41	15♋54	27♋33	5♈43	6♈ 6	2♉52	14♒14	0♊54	0♊47	7♏56	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	19n59	2n38	3s48	9n39	3s 0	9n12	0n43	24n28	0n45	22n42	0n40	0n15	2s43	2n 6	0s40	10n51	1s55	30s44	14s53	21n 9	20n54	10s58			n.a.
T 2	19 45	8 47	2 52	9 20	3 9	8 42	0 40	24 30	0 46	22 40	0 40	0 15	2 43	2 5	0 40	10 51	1 55	30 44	14 53	21 9	20 54	11 1			n.a.
F 3	19 32	14 29	1 45	9 3	3 18	8 12	0 38	24 31	0 46	22 38	0 40	0 14	2 43	2 5	0 41	10 51	1 55	30 45	14 53	21 9	20 53	11 4			n.a.
S 4	19 18	19 25	0 31	8 48	3 27	7 42	0 35	24 32	0 47	22 36	0 40	0 13	2 43	2 5	0 41	10 51	1 55	30 45	14 53	21 9	20 52	11 7			n.a.
S 5	19 3	23 13	0n44	8 36	3 35	7 11	0 31	24 32	0 48	22 34	0 40	0 13	2 44	2 4	0 41	10 51	1 55	30 46	14 53	21 9	20 52	11 10			n.a.
M 6	18 49	25 36	1 55	8 26	3 43	6 41	0 28	24 33	0 48	22 32	0 40	0 12	2 44	2 4	0 41	10 51	1 55	30 46	14 53	21 9	20 51	11 13			n.a.
T 7	18 34	26 22	3 0	8 18	3 50	6 10	0 25	24 33	0 49	22 30	0 41	0 11	2 44	2 4	0 41	10 51	1 55	30 47	14 53	21 8	20 50	11 16			n.a.
W 8	18 18	25 31	3 52	8 14	3 56	5 39	0 22	24 34	0 49	22 28	0 41	0 10	2 45	2 3	0 41	10 51	1 55	30 47	14 53	21 6	20 50	11 19			n.a.
T 9	18 3	23 10	4 31	8 12	4 1	5 8	0 19	24 34	0 50	22 26	0 41	0 10	2 45	2 3	0 41	10 51	1 55	30 47	14 53	21 4	20 49	11 22			n.a.
F 10	17 47	19 36	4 55	8 14	4 6	4 37	0 15	24 34	0 51	22 24	0 41	0 9	2 45	2 2	0 41	10 51	1 56	30 48	14 53	21 2	20 48	11 25			n.a.
S 11	17 30	15 10	5 2	8 19	4 9	4 5	0 12	24 33	0 51	22 22	0 41	0 8	2 45	2 2	0 41	10 51	1 56	30 48	14 54	21 0	20 48	11 28			n.a.
S 12	17 14	10 10	4 54	8 28	4 10	3 34	0 8	24 33	0 52	22 20	0 41	0 7	2 46	2 1	0 41	10 51	1 56	30 49	14 54	20 58	20 47	11 30			n.a.
M13	16 57	4 53	4 33	8 40	4 10	3 2	0 5	24 32	0 53	22 17	0 41	0 6	2 46	2 1	0 41	10 51	1 56	30 49	14 54	20 56	20 47	11 33			n.a.
T 14	16 40	0s30	3 59	8 57	4 9	2 31	0 1	24 31	0 53	22 15	0 41	0 5	2 46	2 0	0 41	10 51	1 56	30 50	14 54	20 54	20 46	11 36			n.a.
W15	16 22	5 48	3 15	9 16	4 5	1 59	0s 2	24 30	0 54	22 13	0 42	0 4	2 46	2 0	0 41	10 51	1 56	30 50	14 54	20 53	20 45	11 39			n.a.
T 16	16 5	10 51	2 23	9 39	4 0	1 27	0 6	24 29	0 54	22 11	0 42	0 3	2 47	1 59	0 41	10 50	1 56	30 50	14 54	20 53	20 45	11 42			n.a.
F 17	15 47	15 29	1 25	10 5	3 53	0 56	0 10	24 28	0 55	22 9	0 42	0 2	2 47	1 59	0 41	10 50	1 56	30 51	14 54	20 53	20 44	11 45			n.a.
S 18	15 28	19 34	0 23	10 34	3 43	0 24	0 13	24 26	0 56	22 7	0 42	0 0	2 47	1 58	0 41	10 50	1 56	30 51	14 54	20 53	20 43	11 48			n.a.
S 19	15 10	22 53	0s40	11 6	3 32	0s 8	0 17	24 24	0 56	22 5	0 42	0s 1	2 47	1 58	0 41	10 50	1 56	30 52	14 54	20 53	20 43	11 51			n.a.
M20	14 51	25 13	1 43	11 39	3 19	0 40	0 21	24 22	0 57	22 2	0 42	0 2	2 48	1 57	0 41	10 50	1 56	30 52	14 54	20 52	20 42	11 54			n.a.
T 21	14 32	26 22	2 43	12 13	3 4	1 12	0 25	24 20	0 58	22 0	0 42	0 3	2 48	1 56	0 41	10 50	1 56	30 52	14 54	20 52	20 41	11 57			n.a.
W22	14 13	26 8	3 35	12 48	2 47	1 44	0 29	24 18	0 58	21 58	0 42	0 5	2 48	1 56	0 41	10 50	1 56	30 53	14 54	20 51	20 41	12 0			n.a.
T 23	13 53	24 25	4 18	13 22	2 30	2 15	0 33	24 16	0 59	21 56	0 43	0 6	2 48	1 55	0 41	10 49	1 56	30 53	14 54	20 49	20 40	12 3			n.a.
F 24	13 34	21 16	4 47	13 56	2 11	2 47	0 36	24 13	1 0	21 54	0 43	0 7	2 48	1 54	0 41	10 49	1 56	30 54	14 54	20 46	20 39	12 6			n.a.
S 25	13 14	16 49	5 0	14 28	1 52	3 19	0 40	24 11	1 0	21 51	0 43	0 9	2 49	1 54	0 41	10 49	1 56	30 54	14 54	20 44	20 39	12 9			n.a.
S 26	12 54	11 23	4 55	14 57	1 32	3 50	0 44	24 8	1 1	21 49	0 43	0 10	2 49	1 53	0 41	10 49	1 56	30 54	14 54	20 42	20 38	12 12			n.a.
M27	12 33	5 15	4 30	15 24	1 12	4 22	0 48	24 5	1 1	21 47	0 43	0 12	2 49	1 52	0 41	10 49	1 57	30 55	14 53	20 39	20 37	12 15			n.a.
T 28	12 13	1n10	3 49	15 48	0 53	4 53	0 52	24 1	1 2	21 45	0 43	0 13	2 49	1 52	0 41	10 48	1 57	30 55	14 53	20 38	20 37	12 18			n.a.
W29	11 52	7 32	2 53	16 9	0 34	5 25	0 56	23 58	1 3	21 42	0 43	0 15	2 50	1 51	0 41	10 48	1 57	30 55	14 53	20 37	20 36	12 21			n.a.
T 30	11 31	13 29	1 46	16 25	0 15	5 56	1 0	23 54	1 3	21 40	0 44	0 16	2 50	1 50	0 41	10 48	1 57	30 56	14 53	20 36	20 35	12 24			n.a.
F 31	11n10	18n38	0s33	16n38	0n 2	6s27	1s 4	23n51	1n 4	21n38	0n44	0s18	2s50	1n49	0s41	10n48	1s57	30s56	14s53	20n36	20n35	12s27			n.a.

Julian Day Number = 1568960.5, Delta T = 04h19m01s
Ecliptic obliquity = 23°44'49, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'13, Lahiri = - 9°43'12 Julian Calendar 1 Aug. 418 BCE == Greg. Calendar 27 July 418 BCE

The year -417 astronomical counting style corresponds to year 418 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

SEPTEMBER 418 BCE (-417) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 17 8	2♍15'32	8♊39	15♌12	14♎51	16♋31	27♋44	5°R39	6°R 4	2°R51	14°R13	0°R54	0♊44	8♏ 3	n.a.	S 1
S 2	22 21 4	3°14'45	22°28	15°45	16° 0	17° 7	27°56	5♈36	6♈ 2	2♉50	14♒12	0♊53	0°41	8°10	n.a.	S 2
M 3	22 25 1	4°14'01	6♋ 7	16°27	17° 9	17°44	28° 8	5°32	6° 0	2°50	14°11	0°50	0°38	8°16	n.a.	M 3
T 4	22 28 57	5°13'18	19°36	17°18	18°19	18°20	28°20	5°28	5°58	2°49	14°10	0°45	0°35	8°23	n.a.	T 4
W 5	22 32 54	6°12'39	2♌55	18°16	19°28	18°57	28°31	5°24	5°56	2°48	14° 8	0°36	0°32	8°30	n.a.	W 5
T 6	22 36 50	7°12'01	16° 2	19°21	20°37	19°33	28°43	5°20	5°54	2°47	14° 7	0°25	0°28	8°36	n.a.	T 6
F 7	22 40 47	8°11'26	28°57	20°33	21°46	20°10	28°55	5°16	5°52	2°47	14° 6	0°12	0°25	8°43	n.a.	F 7
S 8	22 44 44	9°10'52	11♍40	21°50	22°54	20°46	29° 6	5°12	5°50	2°46	14° 5	29♉59	0°22	8°50	n.a.	S 8
S 9	22 48 40	10°10'21	24° 9	23°12	24° 3	21°22	29°17	5° 8	5°47	2°45	14° 4	29°46	0°19	8°56	n.a.	S 9
M10	22 52 37	11° 9'52	6♎25	24°38	25°12	21°58	29°29	5° 4	5°45	2°44	14° 3	29°34	0°16	9° 3	n.a.	M10
T 11	22 56 33	12° 9'25	18°29	26° 7	26°20	22°34	29°40	5° 0	5°43	2°43	14° 2	29°25	0°12	9°10	n.a.	T 11
W12	23 0 30	13° 9'00	0♏24	27°40	27°29	23°10	29°51	4°55	5°41	2°42	14° 1	29°19	0° 9	9°16	n.a.	W12
T 13	23 4 26	14° 8'37	12°12	29°15	28°37	23°47	0♌ 2	4°51	5°39	2°41	14° 0	29°15	0° 6	9°23	n.a.	T 13
F 14	23 8 23	15° 8'16	23°59	0♍52	29°45	24°22	0°13	4°47	5°36	2°40	13°59	29°D14	0° 3	9°30	n.a.	F 14
S 15	23 12 19	16° 7'57	5♐48	2°31	0♏53	24°58	0°24	4°42	5°34	2°39	13°58	29°14	29♉59	9°36	n.a.	S 15
S 16	23 16 16	17° 7'40	17°46	4°11	2° 1	25°34	0°35	4°38	5°32	2°38	13°57	29°R14	29°57	9°43	n.a.	S 16
M17	23 20 12	18° 7'24	29°58	5°51	3° 9	26°10	0°46	4°33	5°29	2°37	13°56	29°14	29°53	9°50	n.a.	M17
T 18	23 24 9	19° 7'11	12♑29	7°33	4°16	26°46	0°57	4°28	5°27	2°36	13°55	29°11	29°50	9°56	n.a.	T 18
W19	23 28 6	20° 6'59	25°23	9°15	5°24	27°21	1° 7	4°24	5°25	2°35	13°54	29° 6	29°47	10° 3	n.a.	W19
T 20	23 32 2	21° 6'49	8♒45	10°57	6°31	27°57	1°18	4°19	5°22	2°34	13°53	28°59	29°44	10°10	n.a.	T 20
F 21	23 35 59	22° 6'41	22°34	12°39	7°38	28°33	1°28	4°14	5°20	2°32	13°52	28°50	29°41	10°16	n.a.	F 21
S 22	23 39 55	23° 6'34	6♓49	14°21	8°45	29° 8	1°38	4°10	5°18	2°31	13°51	28°39	29°38	10°23	n.a.	S 22
S 23	23 43 52	24° 6'30	21°24	16° 3	9°52	29°44	1°49	4° 5	5°15	2°30	13°50	28°29	29°34	10°30	n.a.	S 23
M24	23 47 48	25° 6'27	6♈14	17°45	10°59	0♌19	1°59	4° 0	5°13	2°29	13°49	28°20	29°31	10°36	n.a.	M24
T 25	23 51 45	26° 6'27	21° 9	19°27	12° 5	0°54	2° 9	3°55	5°10	2°27	13°48	28°13	29°28	10°43	n.a.	T 25
W26	23 55 41	27° 6'29	6♉ 0	21° 8	13°12	1°30	2°19	3°50	5° 8	2°26	13°47	28° 8	29°25	10°49	n.a.	W26
T 27	23 59 38	28° 6'33	20°41	22°49	14°18	2° 5	2°29	3°46	5° 5	2°25	13°47	28° 6	29°22	10°56	n.a.	T 27
F 28	0 3 35	29° 6'39	5♊ 7	24°30	15°24	2°40	2°38	3°41	5° 3	2°23	13°46	28°D 6	29°18	11° 3	n.a.	F 28
S 29	0 7 31	0♎ 6'48	19°15	26°10	16°29	3°15	2°48	3°36	5° 1	2°22	13°45	28° 7	29°15	11° 9	n.a.	S 29
S 30	0 11 28	1♎ 6'59	3♋ 4	27♍50	17♏35	3♌50	2♌58	3°31	4°58	2♉21	13♒44	28°R 7	29♉12	11♏16	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n48	22n42	0n41	16n46	0n18	6s58	1s 8	23n47	1n 5	21n36	0n44	0s19	2s50	1n49	0s41	10n47	1s57	30s56	14s53	20n36	20n34	12s30		n.a.
S 2	10 27	25 23	1 51	16 51	0 33	7 29	1 12	23 43	1 5	21 33	0 44	0 21	2 50	1 48	0 41	10 47	1 57	30 56	14 53	20 36	20 33	12 32		n.a.
M 3	10 5	26 31	2 55	16 51	0 47	8 0	1 17	23 39	1 6	21 31	0 44	0 23	2 50	1 47	0 41	10 47	1 57	30 57	14 53	20 35	20 33	12 35		n.a.
T 4	9 43	26 2	3 47	16 48	1 0	8 30	1 21	23 34	1 7	21 29	0 44	0 24	2 51	1 46	0 41	10 47	1 57	30 57	14 53	20 34	20 32	12 38		n.a.
W 5	9 21	24 4	4 26	16 40	1 11	9 1	1 25	23 30	1 7	21 27	0 44	0 26	2 51	1 45	0 41	10 46	1 57	30 57	14 53	20 32	20 31	12 41		n.a.
T 6	8 59	20 51	4 51	16 29	1 21	9 31	1 29	23 25	1 8	21 24	0 45	0 28	2 51	1 45	0 41	10 46	1 57	30 57	14 53	20 30	20 31	12 44		n.a.
F 7	8 36	16 40	5 0	16 14	1 29	10 1	1 33	23 20	1 9	21 22	0 45	0 29	2 51	1 44	0 41	10 46	1 57	30 58	14 53	20 27	20 30	12 47		n.a.
S 8	8 14	11 48	4 54	15 56	1 37	10 31	1 37	23 16	1 9	21 20	0 45	0 31	2 51	1 43	0 41	10 45	1 57	30 58	14 52	20 24	20 29	12 50		n.a.
S 9	7 51	6 32	4 34	15 34	1 43	11 0	1 41	23 11	1 10	21 18	0 45	0 33	2 51	1 42	0 41	10 45	1 57	30 58	14 52	20 22	20 29	12 53		n.a.
M10	7 28	1 6	4 1	15 10	1 48	11 30	1 45	23 5	1 11	21 16	0 45	0 35	2 52	1 41	0 41	10 45	1 57	30 58	14 52	20 19	20 28	12 56		n.a.
T 11	7 5	4s17	3 18	14 43	1 52	11 59	1 49	23 0	1 11	21 13	0 45	0 37	2 52	1 40	0 41	10 44	1 57	30 59	14 52	20 17	20 27	12 59		n.a.
W12	6 42	9 28	2 27	14 14	1 55	12 28	1 53	22 54	1 12	21 11	0 46	0 39	2 52	1 39	0 41	10 44	1 57	30 59	14 52	20 16	20 27	13 2		n.a.
T 13	6 19	14 17	1 29	13 42	1 57	12 56	1 57	22 49	1 13	21 9	0 46	0 40	2 52	1 38	0 41	10 43	1 57	30 59	14 52	20 15	20 26	13 5		n.a.
F 14	5 56	18 34	0 28	13 8	1 58	13 24	2 1	22 43	1 13	21 7	0 46	0 42	2 52	1 37	0 41	10 43	1 57	30 59	14 52	20 15	20 25	13 7		n.a.
S 15	5 32	22 7	0s35	12 33	1 58	13 52	2 5	22 37	1 14	21 4	0 46	0 44	2 52	1 37	0 41	10 43	1 58	30 59	14 51	20 15	20 25	13 10		n.a.
S 16	5 9	24 47	1 37	11 56	1 58	14 20	2 8	22 31	1 14	21 2	0 46	0 46	2 52	1 36	0 41	10 42	1 58	30 59	14 51	20 15	20 24	13 13		n.a.
M17	4 45	26 21	2 36	11 17	1 57	14 47	2 12	22 25	1 15	21 0	0 46	0 48	2 52	1 35	0 41	10 42	1 58	31 0	14 51	20 15	20 23	13 16		n.a.
T 18	4 22	26 37	3 29	10 37	1 55	15 14	2 16	22 19	1 16	20 58	0 47	0 50	2 52	1 34	0 41	10 41	1 58	31 0	14 51	20 14	20 23	13 19		n.a.
W19	3 58	25 28	4 13	9 56	1 53	15 41	2 20	22 12	1 17	20 56	0 47	0 52	2 53	1 33	0 41	10 41	1 58	31 0	14 51	20 13	20 22	13 22		n.a.
T 20	3 34	22 53	4 45	9 15	1 50	16 7	2 24	22 6	1 17	20 53	0 47	0 54	2 53	1 32	0 41	10 41	1 58	31 0	14 51	20 11	20 21	13 25		n.a.
F 21	3 10	18 54	5 1	8 32	1 47	16 33	2 27	21 59	1 18	20 51	0 47	0 56	2 53	1 31	0 41	10 40	1 58	31 0	14 50	20 9	20 20	13 28		n.a.
S 22	2 46	13 45	5 0	7 49	1 43	16 59	2 31	21 52	1 19	20 49	0 47	0 58	2 53	1 30	0 41	10 40	1 58	31 0	14 50	20 7	20 20	13 31		n.a.
S 23	2 22	7 43	4 40	7 5	1 39	17 24	2 34	21 46	1 19	20 47	0 48	1 0	2 53	1 29	0 41	10 39	1 58	31 0	14 50	20 5	20 19	13 34		n.a.
M24	1 58	1 10	4 0	6 21	1 34	17 49	2 38	21 39	1 20	20 45	0 48	1 2	2 53	1 28	0 41	10 39	1 58	31 0	14 50	20 3	20 18	13 36		n.a.
T 25	1 34	5n31	3 4	5 36	1 30	18 13	2 41	21 31	1 21	20 43	0 48	1 4	2 53	1 27	0 41	10 38	1 58	31 1	14 50	20 1	20 18	13 39		n.a.
W26	1 10	11 53	1 55	4 51	1 25	18 37	2 45	21 24	1 21	20 41	0 48	1 6	2 53	1 26	0 41	10 38	1 58	31 1	14 49	20 0	20 17	13 42		n.a.
T 27	0 46	17 31	0 40	4 6	1 19	19 0	2 48	21 17	1 22	20 39	0 48	1 8	2 53	1 25	0 41	10 37	1 58	31 1	14 49	20 0	20 16	13 45		n.a.
F 28	0 21	22 2	0n37	3 21	1 14	19 23	2 51	21 9	1 23	20 36	0 48	1 10	2 53	1 24	0 41	10 37	1 58	31 1	14 49	20 0	20 16	13 48		n.a.
S 29	0s 3	25 9	1 51	2 35	1 8	19 46	2 55	21 2	1 23	20 34	0 49	1 12	2 53	1 23	0 41	10 36	1 58	31 1	14 49	20 0	20 15	13 51		n.a.
S 30	0s27	26n39	2n56	1n50	1n 2	20s 8	2s58	20n54	1n24	20n32	0n49	1s14	2s53	1n22	0s41	10n36	1s58	31s 1	14s48	20n 0	20n14	13s54		n.a.

Julian Day Number = 1568991.5, Delta T = 04h19m00s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'08, Lahiri = - 9°43'08 Julian Calendar 1 Sept. 418 BCE == Greg. Calendar 27 Aug. 418 BCE

The year -417 astronomical counting style corresponds to year 418 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

OCTOBER 418 BCE (-417) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 15 24	2♎ 7'12	16♋35	29♍29	18♏40	4♌25	3♌ 7	3°R26	4°R56	2°R19	13°R43	28°R 6	29♉ 9	11♏23	n.a.	M 1
T 2	0 19 21	3° 7'27	29°51	1♎ 8	19°45	5° 0	3°17	3♈21	4♈53	2♉18	13♒43	28♉ 3	29° 6	11°29	n.a.	T 2
W 3	0 23 17	4° 7'45	12♌51	2°46	20°50	5°35	3°26	3°16	4°51	2°16	13°42	27°58	29° 3	11°36	n.a.	W 3
T 4	0 27 14	5° 8'04	25°39	4°24	21°55	6°10	3°35	3°11	4°48	2°15	13°41	27°50	28°59	11°43	n.a.	T 4
F 5	0 31 10	6° 8'25	8♍14	6° 2	23° 0	6°45	3°44	3° 6	4°46	2°13	13°41	27°40	28°56	11°49	n.a.	F 5
S 6	0 35 7	7° 8'49	20°39	7°39	24° 4	7°19	3°53	3° 1	4°43	2°12	13°40	27°30	28°53	11°56	n.a.	S 6
S 7	0 39 4	8° 9'14	2♎53	9°16	25° 8	7°54	4° 2	2°57	4°41	2°10	13°39	27°21	28°50	12° 3	n.a.	S 7
M 8	0 43 0	9° 9'41	14°59	10°52	26°11	8°28	4°10	2°52	4°38	2° 9	13°39	27°12	28°47	12° 9	n.a.	M 8
T 9	0 46 57	10°10'10	26°55	12°28	27°15	9° 3	4°19	2°47	4°36	2° 7	13°38	27° 6	28°43	12°16	n.a.	T 9
W10	0 50 53	11°10'40	8♏46	14° 4	28°18	9°37	4°27	2°42	4°33	2° 6	13°37	27° 2	28°40	12°23	n.a.	W10
T 11	0 54 50	12°11'12	20°33	15°39	29°21	10°11	4°36	2°37	4°31	2° 4	13°37	27° 0	28°37	12°29	n.a.	T 11
F 12	0 58 46	13°11'46	2♐18	17°14	0♐24	10°46	4°44	2°32	4°28	2° 3	13°36	26°D59	28°34	12°36	n.a.	F 12
S 13	1 2 43	14°12'21	14° 7	18°49	1°26	11°20	4°52	2°28	4°26	2° 1	13°36	27° 1	28°31	12°43	n.a.	S 13
S 14	1 6 39	15°12'58	26° 4	20°23	2°28	11°54	5° 0	2°23	4°24	1°59	13°35	27° 2	28°28	12°49	n.a.	S 14
M15	1 10 36	16°13'36	8♑13	21°57	3°29	12°28	5° 7	2°18	4°21	1°58	13°35	27° 4	28°24	12°56	n.a.	M15
T 16	1 14 33	17°14'15	20°40	23°31	4°31	13° 2	5°15	2°14	4°19	1°56	13°34	27°R 4	28°21	13° 3	n.a.	T 16
W17	1 18 29	18°14'56	3♒29	25° 4	5°32	13°35	5°23	2° 9	4°16	1°55	13°34	27° 3	28°18	13° 9	n.a.	W17
T 18	1 22 26	19°15'38	16°45	26°38	6°32	14° 9	5°30	2° 4	4°14	1°53	13°34	27° 0	28°15	13°16	n.a.	T 18
F 19	1 26 22	20°16'20	0♓30	28°11	7°32	14°43	5°37	2° 0	4°12	1°51	13°33	26°55	28°12	13°22	n.a.	F 19
S 20	1 30 19	21°17'05	14°43	29°44	8°32	15°16	5°44	1°55	4° 9	1°50	13°33	26°50	28° 9	13°29	n.a.	S 20
S 21	1 34 15	22°17'50	29°22	1♏16	9°31	15°50	5°51	1°51	4° 7	1°48	13°33	26°44	28° 5	13°36	n.a.	S 21
M22	1 38 12	23°18'37	14♈21	2°49	10°30	16°23	5°58	1°47	4° 5	1°46	13°32	26°39	28° 2	13°42	n.a.	M22
T 23	1 42 8	24°19'25	29°32	4°21	11°28	16°56	6° 5	1°42	4° 2	1°45	13°32	26°36	27°59	13°49	n.a.	T 23
W24	1 46 5	25°20'14	14♉43	5°53	12°26	17°30	6°11	1°38	4° 0	1°43	13°32	26°34	27°56	13°56	n.a.	W24
T 25	1 50 1	26°21'05	29°46	7°25	13°24	18° 3	6°18	1°34	3°58	1°41	13°32	26°D33	27°53	14° 2	n.a.	T 25
F 26	1 53 58	27°21'58	14♊32	8°57	14°21	18°36	6°24	1°30	3°56	1°39	13°31	26°34	27°49	14° 9	n.a.	F 26
S 27	1 57 55	28°22'52	28°57	10°28	15°17	19° 9	6°30	1°25	3°53	1°38	13°31	26°36	27°46	14°16	n.a.	S 27
S 28	2 1 51	29°23'47	12♋58	12° 0	16°13	19°41	6°36	1°21	3°51	1°36	13°31	26°37	27°43	14°22	n.a.	S 28
M29	2 5 48	0♏24'44	26°35	13°31	17° 8	20°14	6°42	1°17	3°49	1°34	13°31	26°R38	27°40	14°29	n.a.	M29
T 30	2 9 44	1°25'43	9♌49	15° 2	18° 3	20°47	6°47	1°14	3°47	1°33	13°31	26°38	27°37	14°36	n.a.	T 30
W31	2 13 41	2♏26'43	22♌42	16♏32	18♐57	21♌19	6♌53	1♈10	3♈45	1♉31	13♒31	26♉36	27♉34	14♏42	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	0s51	26n30	3n50	1n 4	0n57	20s30	3s 1	20n46	1n25	20n30	0n49	1s16	2s53	1n21	0s41	10n35	1s58	31s 1	14s48	20n 0	20n14	13s57		n.a.
T 2	1 15	24 50	4 30	0 19	0 50	20 51	3 4	20 38	1 25	20 28	0 49	1 17	2 53	1 20	0 41	10 35	1 58	31 1	14 48	19 59	20 13	13 59		n.a.
W 3	1 40	21 53	4 56	0s26	0 44	21 11	3 7	20 30	1 26	20 26	0 49	1 19	2 53	1 19	0 41	10 34	1 58	31 1	14 48	19 58	20 12	14 2		n.a.
T 4	2 4	17 55	5 6	1 12	0 38	21 31	3 9	20 22	1 27	20 24	0 50	1 21	2 53	1 18	0 41	10 34	1 58	31 1	14 47	19 56	20 11	14 5		n.a.
F 5	2 28	13 13	5 1	1 57	0 31	21 51	3 12	20 14	1 28	20 22	0 50	1 23	2 53	1 17	0 41	10 33	1 58	31 1	14 47	19 54	20 11	14 8		n.a.
S 6	2 52	8 3	4 42	2 41	0 25	22 10	3 15	20 6	1 28	20 21	0 50	1 25	2 53	1 16	0 41	10 33	1 58	31 1	14 47	19 51	20 10	14 11		n.a.
S 7	3 16	2 39	4 10	3 26	0 18	22 29	3 17	19 58	1 29	20 19	0 50	1 27	2 53	1 15	0 41	10 32	1 58	31 1	14 47	19 49	20 9	14 14		n.a.
M 8	3 41	2s48	3 27	4 10	0 12	22 47	3 20	19 49	1 30	20 17	0 51	1 29	2 53	1 14	0 41	10 31	1 58	31 1	14 46	19 47	20 9	14 17		n.a.
T 9	4 5	8 6	2 35	4 54	0 5	23 4	3 22	19 41	1 30	20 15	0 51	1 31	2 53	1 13	0 41	10 31	1 58	31 1	14 46	19 46	20 8	14 19		n.a.
W10	4 29	13 4	1 37	5 38	0s 1	23 21	3 24	19 32	1 31	20 13	0 51	1 33	2 53	1 12	0 41	10 30	1 58	31 0	14 46	19 45	20 7	14 22		n.a.
T 11	4 53	17 33	0 35	6 21	0 8	23 37	3 26	19 23	1 32	20 11	0 51	1 35	2 53	1 11	0 41	10 30	1 58	31 0	14 46	19 44	20 6	14 25		n.a.
F 12	5 16	21 22	0s29	7 4	0 14	23 53	3 28	19 15	1 33	20 10	0 51	1 37	2 53	1 10	0 41	10 29	1 58	31 0	14 45	19 44	20 6	14 28		n.a.
S 13	5 40	24 18	1 32	7 47	0 21	24 8	3 30	19 6	1 33	20 8	0 52	1 39	2 53	1 9	0 41	10 29	1 58	31 0	14 45	19 44	20 5	14 31		n.a.
S 14	6 4	26 13	2 32	8 29	0 27	24 23	3 32	18 57	1 34	20 6	0 52	1 40	2 52	1 8	0 41	10 28	1 58	31 0	14 45	19 45	20 4	14 34		n.a.
M15	6 28	26 54	3 26	9 11	0 34	24 37	3 33	18 48	1 35	20 4	0 52	1 42	2 52	1 7	0 41	10 27	1 58	31 0	14 44	19 45	20 4	14 37		n.a.
T 16	6 51	26 16	4 11	9 52	0 40	24 50	3 35	18 39	1 35	20 3	0 52	1 44	2 52	1 6	0 41	10 27	1 58	31 0	14 44	19 45	20 3	14 39		n.a.
W17	7 15	24 15	4 46	10 33	0 46	25 3	3 36	18 30	1 36	20 1	0 53	1 46	2 52	1 5	0 41	10 26	1 59	31 0	14 44	19 45	20 2	14 42		n.a.
T 18	7 38	20 53	5 7	11 13	0 53	25 15	3 37	18 20	1 37	19 59	0 53	1 47	2 52	1 5	0 41	10 26	1 59	31 0	14 44	19 44	20 2	14 45		n.a.
F 19	8 1	16 16	5 11	11 53	0 59	25 26	3 38	18 11	1 38	19 58	0 53	1 49	2 52	1 4	0 41	10 25	1 59	30 59	14 43	19 43	20 1	14 48		n.a.
S 20	8 24	10 38	4 57	12 32	1 5	25 37	3 39	18 2	1 38	19 56	0 53	1 51	2 52	1 3	0 41	10 25	1 59	30 59	14 43	19 42	20 0	14 51		n.a.
S 21	8 47	4 16	4 23	13 10	1 11	25 47	3 40	17 52	1 39	19 55	0 53	1 53	2 52	1 2	0 41	10 24	1 59	30 59	14 43	19 41	19 59	14 54		n.a.
M22	9 10	2n30	3 31	13 48	1 16	25 57	3 41	17 43	1 40	19 53	0 54	1 54	2 52	1 1	0 41	10 23	1 59	30 59	14 42	19 40	19 59	14 56		n.a.
T 23	9 33	9 14	2 23	14 25	1 22	26 6	3 41	17 33	1 41	19 52	0 54	1 56	2 51	1 0	0 41	10 23	1 59	30 59	14 42	19 39	19 58	14 59		n.a.
W24	9 55	15 26	1 4	15 2	1 28	26 14	3 41	17 24	1 42	19 50	0 54	1 57	2 51	0 59	0 41	10 22	1 59	30 58	14 42	19 38	19 57	15 2		n.a.
T 25	10 18	20 39	0n18	15 37	1 33	26 22	3 41	17 14	1 42	19 49	0 54	1 59	2 51	0 58	0 41	10 22	1 59	30 58	14 41	19 38	19 56	15 5		n.a.
F 26	10 40	24 27	1 37	16 12	1 38	26 29	3 41	17 5	1 43	19 48	0 55	2 0	2 51	0 57	0 41	10 21	1 59	30 58	14 41	19 38	19 56	15 8		n.a.
S 27	11 2	26 33	2 49	16 47	1 43	26 35	3 41	16 55	1 44	19 46	0 55	2 2	2 51	0 56	0 41	10 20	1 59	30 58	14 41	19 39	19 55	15 10		n.a.
S 28	11 24	26 53	3 48	17 20	1 48	26 41	3 41	16 45	1 45	19 45	0 55	2 3	2 51	0 56	0 41	10 20	1 59	30 57	14 41	19 39	19 54	15 13		n.a.
M29	11 46	25 34	4 33	17 52	1 52	26 46	3 40	16 35	1 45	19 44	0 55	2 5	2 50	0 55	0 41	10 19	1 59	30 57	14 40	19 39	19 54	15 16		n.a.
T 30	12 7	22 51	5 1	18 24	1 56	26 50	3 39	16 26	1 46	19 43	0 56	2 6	2 50	0 54	0 41	10 19	1 59	30 57	14 40	19 39	19 53	15 19		n.a.
W31	12s29	19n 3	5n14	18s55	2s 0	26s54	3s38	16n16	1n47	19n42	0n56	2s 8	2s50	0n53	0s41	10n18	1s59	30s57	14s40	19n39	19n52	15s22		n.a.

Julian Day Number = 1569021.5, Delta T = 04h18m59s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'04, Lahiri = - 9°43'04 Julian Calendar 1 Oct. 418 BCE == Greg. Calendar 26 Sept. 418 BCE

The year -417 astronomical counting style corresponds to year 418 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

NOVEMBER 418 BCE (-417) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 17 37	3♏27'44	5♍19	18♏ 2	19♐50	21♌52	6♌58	1°R 6	3°R43	1°R29	13°R31	26°R34	27♉30	14♏49	n.a.	T 1
F 2	2 21 34	4°28'46	17°41	19°32	20°43	22°24	7° 3	1♈ 2	3♈41	1♉28	13♒31	26♉30	27°27	14°56	n.a.	F 2
S 3	2 25 31	5°29'50	29°52	21° 2	21°35	22°56	7° 8	0°59	3°39	1°26	13°D31	26°27	27°24	15° 2	n.a.	S 3
S 4	2 29 27	6°30'54	11♎53	22°31	22°26	23°28	7°13	0°55	3°37	1°24	13°31	26°23	27°21	15° 9	n.a.	S 4
M 5	2 33 24	7°32'00	23°49	23°59	23°17	24° 0	7°17	0°52	3°35	1°22	13°31	26°20	27°18	15°16	n.a.	M 5
T 6	2 37 20	8°33'07	5♏39	25°27	24° 7	24°32	7°22	0°48	3°33	1°21	13°31	26°18	27°14	15°22	n.a.	T 6
W 7	2 41 17	9°34'15	17°27	26°54	24°56	25° 4	7°26	0°45	3°31	1°19	13°31	26°17	27°11	15°29	n.a.	W 7
T 8	2 45 13	10°35'24	29°14	28°20	25°44	25°36	7°30	0°42	3°29	1°17	13°31	26°D17	27° 8	15°35	n.a.	T 8
F 9	2 49 10	11°36'33	11♐ 2	29°45	26°31	26° 7	7°34	0°39	3°27	1°16	13°31	26°17	27° 5	15°42	n.a.	F 9
S 10	2 53 6	12°37'43	22°55	1♐ 9	27°17	26°38	7°38	0°36	3°26	1°14	13°31	26°18	27° 2	15°49	n.a.	S 10
S 11	2 57 3	13°38'54	4♑56	2°31	28° 3	27°10	7°41	0°33	3°24	1°12	13°31	26°19	26°59	15°55	n.a.	S 11
M12	3 1 0	14°40'05	17° 7	3°52	28°47	27°41	7°45	0°30	3°22	1°11	13°32	26°21	26°55	16° 2	n.a.	M12
T 13	3 4 56	15°41'16	29°33	5°10	29°31	28°12	7°48	0°28	3°21	1° 9	13°32	26°22	26°52	16° 9	n.a.	T 13
W14	3 8 53	16°42'28	12♒18	6°27	0♑13	28°43	7°51	0°25	3°19	1° 7	13°32	26°R22	26°49	16°15	n.a.	W14
T 15	3 12 49	17°43'40	25°26	7°40	0°54	29°13	7°54	0°22	3°17	1° 6	13°32	26°22	26°46	16°22	n.a.	T 15
F 16	3 16 46	18°44'53	8♓59	8°50	1°34	29°44	7°56	0°20	3°16	1° 4	13°33	26°22	26°43	16°29	n.a.	F 16
S 17	3 20 42	19°46'05	22°59	9°56	2°12	0♍14	7°59	0°18	3°14	1° 3	13°33	26°21	26°40	16°35	n.a.	S 17
S 18	3 24 39	20°47'18	7♈26	10°58	2°50	0°44	8° 1	0°15	3°13	1° 1	13°33	26°20	26°36	16°42	n.a.	S 18
M19	3 28 35	21°48'31	22°15	11°55	3°26	1°15	8° 3	0°13	3°12	0°59	13°34	26°20	26°33	16°49	n.a.	M19
T 20	3 32 32	22°49'44	7♉22	12°46	4° 0	1°44	8° 5	0°11	3°10	0°58	13°34	26°19	26°30	16°55	n.a.	T 20
W21	3 36 29	23°50'57	22°36	13°30	4°34	2°14	8° 7	0° 9	3° 9	0°56	13°35	26°D19	26°27	17° 2	n.a.	W21
T 22	3 40 25	24°52'11	7♊49	14° 7	5° 5	2°44	8° 8	0° 8	3° 8	0°55	13°35	26°19	26°24	17° 9	n.a.	T 22
F 23	3 44 22	25°53'25	22°50	14°36	5°35	3°13	8°10	0° 6	3° 6	0°53	13°36	26°R19	26°20	17°15	n.a.	F 23
S 24	3 48 18	26°54'40	7♋32	14°55	6° 4	3°43	8°11	0° 4	3° 5	0°52	13°36	26°19	26°17	17°22	n.a.	S 24
S 25	3 52 15	27°55'55	21°49	15°R 4	6°30	4°12	8°12	0° 3	3° 4	0°50	13°37	26°19	26°14	17°28	n.a.	S 25
M26	3 56 11	28°57'10	5♌38	15° 2	6°55	4°41	8°12	0° 2	3° 3	0°49	13°37	26°19	26°11	17°35	n.a.	M26
T 27	4 0 8	29°58'26	19° 1	14°49	7°18	5°10	8°13	0° 0	3° 2	0°47	13°38	26°19	26° 8	17°42	n.a.	T 27
W28	4 4 5	0♐59'42	1♍58	14°24	7°40	5°39	8°13	29♓59	3° 1	0°46	13°38	26°D19	26° 5	17°48	n.a.	W28
T 29	4 8 1	2° 0'58	14°33	13°48	7°59	6° 7	8°R13	29°58	3° 0	0°45	13°39	26°19	26° 1	17°55	n.a.	T 29
F 30	4 11 58	3♐ 2'15	26♍50	12♐59	8♑16	6♍35	8♌13	29♓57	2♈59	0♉43	13♒40	26♉19	25♉58	18♏ 2	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s50	14n29	5n11	19s24	2s 4	26s57	3s37	16n 6	1n48	19n41	0n56	2s 9	2s50	0n52	0s41	10n17	1s59	30s56	14s39	19n38	19n51	15s24		n.a.
F 2	13 11	9 25	4 54	19 53	2 7	27 0	3 35	15 56	1 49	19 39	0 57	2 10	2 50	0 51	0 41	10 17	1 59	30 56	14 39	19 37	19 51	15 27		n.a.
S 3	13 31	4 4	4 23	20 20	2 10	27 2	3 34	15 46	1 49	19 38	0 57	2 12	2 50	0 51	0 41	10 16	1 59	30 56	14 39	19 37	19 50	15 30		n.a.
S 4	13 52	1s22	3 41	20 46	2 13	27 3	3 32	15 36	1 50	19 37	0 57	2 13	2 49	0 50	0 41	10 16	1 59	30 56	14 38	19 36	19 49	15 33		n.a.
M 5	14 12	6 44	2 50	21 11	2 15	27 4	3 30	15 26	1 51	19 37	0 57	2 14	2 49	0 49	0 41	10 15	1 59	30 55	14 38	19 35	19 48	15 36		n.a.
T 6	14 32	11 49	1 52	21 35	2 17	27 4	3 27	15 16	1 52	19 36	0 58	2 15	2 49	0 48	0 41	10 15	1 58	30 55	14 38	19 34	19 48	15 38		n.a.
W 7	14 52	16 29	0 49	21 57	2 18	27 3	3 25	15 6	1 53	19 35	0 58	2 16	2 49	0 48	0 41	10 14	1 58	30 55	14 37	19 34	19 47	15 41		n.a.
T 8	15 11	20 31	0s16	22 18	2 19	27 2	3 22	14 56	1 54	19 34	0 58	2 17	2 48	0 47	0 41	10 13	1 58	30 54	14 37	19 34	19 46	15 44		n.a.
F 9	15 31	23 43	1 21	22 38	2 20	27 1	3 19	14 46	1 54	19 33	0 58	2 18	2 48	0 46	0 41	10 13	1 58	30 54	14 37	19 34	19 45	15 47		n.a.
S 10	15 50	25 56	2 23	22 56	2 20	26 59	3 15	14 36	1 55	19 33	0 59	2 19	2 48	0 46	0 41	10 12	1 58	30 53	14 36	19 35	19 45	15 49		n.a.
S 11	16 8	26 58	3 18	23 12	2 19	26 56	3 12	14 26	1 56	19 32	0 59	2 20	2 48	0 45	0 41	10 12	1 58	30 53	14 36	19 35	19 44	15 52		n.a.
M12	16 27	26 42	4 6	23 26	2 17	26 52	3 8	14 16	1 57	19 31	0 59	2 21	2 48	0 44	0 41	10 11	1 58	30 53	14 36	19 35	19 43	15 55		n.a.
T 13	16 45	25 7	4 44	23 39	2 15	26 49	3 4	14 5	1 58	19 31	0 59	2 22	2 47	0 44	0 41	10 11	1 58	30 52	14 35	19 35	19 43	15 58		n.a.
W14	17 3	22 15	5 8	23 50	2 12	26 44	2 59	13 55	1 59	19 30	1 0	2 23	2 47	0 43	0 41	10 10	1 58	30 52	14 35	19 35	19 42	16 1		n.a.
T 15	17 20	18 11	5 18	23 59	2 9	26 39	2 55	13 45	1 59	19 30	1 0	2 24	2 47	0 42	0 40	10 9	1 58	30 52	14 35	19 35	19 41	16 3		n.a.
F 16	17 37	13 5	5 10	24 6	2 4	26 34	2 49	13 35	2 0	19 29	1 0	2 24	2 47	0 42	0 40	10 9	1 58	30 51	14 35	19 35	19 40	16 6		n.a.
S 17	17 54	7 9	4 44	24 11	1 58	26 28	2 44	13 25	2 1	19 29	1 1	2 25	2 46	0 41	0 40	10 8	1 58	30 51	14 34	19 35	19 40	16 9		n.a.
S 18	18 11	0 41	4 0	24 13	1 52	26 21	2 38	13 15	2 2	19 29	1 1	2 26	2 46	0 41	0 40	10 8	1 58	30 50	14 34	19 35	19 39	16 12		n.a.
M19	18 27	6n 1	2 58	24 14	1 44	26 14	2 32	13 5	2 3	19 28	1 1	2 26	2 46	0 40	0 40	10 7	1 58	30 50	14 34	19 35	19 38	16 14		n.a.
T 20	18 43	12 31	1 44	24 12	1 35	26 7	2 26	12 55	2 4	19 28	1 1	2 27	2 45	0 40	0 40	10 7	1 58	30 50	14 33	19 35	19 37	16 17		n.a.
W21	18 59	18 19	0 21	24 7	1 25	25 59	2 19	12 45	2 5	19 28	1 2	2 27	2 45	0 39	0 40	10 6	1 58	30 49	14 33	19 35	19 37	16 20		n.a.
T 22	19 14	22 56	1n 4	24 1	1 14	25 51	2 12	12 35	2 6	19 28	1 2	2 28	2 45	0 39	0 40	10 6	1 58	30 49	14 33	19 35	19 36	16 22		n.a.
F 23	19 29	25 55	2 22	23 51	1 1	25 42	2 5	12 25	2 7	19 28	1 2	2 28	2 45	0 38	0 40	10 5	1 58	30 48	14 32	19 35	19 35	16 25		n.a.
S 24	19 43	27 1	3 30	23 40	0 47	25 33	1 57	12 15	2 7	19 28	1 3	2 29	2 44	0 38	0 40	10 5	1 58	30 48	14 32	19 35	19 34	16 28		n.a.
S 25	19 57	26 16	4 22	23 25	0 32	25 24	1 49	12 5	2 8	19 28	1 3	2 29	2 44	0 37	0 40	10 4	1 58	30 47	14 32	19 35	19 34	16 31		n.a.
M26	20 11	23 54	4 58	23 9	0 15	25 14	1 40	11 55	2 9	19 28	1 3	2 29	2 44	0 37	0 40	10 4	1 58	30 47	14 31	19 35	19 33	16 33		n.a.
T 27	20 24	20 18	5 15	22 49	0n 3	25 4	1 31	11 45	2 10	19 28	1 3	2 30	2 44	0 36	0 40	10 3	1 58	30 46	14 31	19 35	19 32	16 36		n.a.
W28	20 37	15 49	5 17	22 28	0 22	24 53	1 22	11 35	2 11	19 28	1 4	2 30	2 43	0 36	0 40	10 3	1 58	30 46	14 31	19 35	19 31	16 39		n.a.
T 29	20 50	10 47	5 2	22 4	0 41	24 42	1 12	11 26	2 12	19 28	1 4	2 30	2 43	0 36	0 40	10 2	1 58	30 45	14 31	19 35	19 31	16 42		n.a.
F 30	21s 2	5n27	4n34	21s38	1n 1	24s31	1s 2	11n16	2n13	19n29	1n 4	2s30	2s43	0n35	0s40	10n 2	1s58	30s45	14s30	19n35	19n30	16s44		n.a.

Julian Day Number = 1569052.5, Delta T = 04h18m57s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°50'00, Lahiri = - 9°43'00 Julian Calendar 1 Nov. 418 BCE == Greg. Calendar 27 Oct. 418 BCE

The year -417 astronomical counting style corresponds to year 418 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 418 BCE
geocentric

DECEMBER 418 BCE (-417) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 15 54	4♐ 3'32	8♎54	12°R 1	8♑31	7♍ 3	8°R13	29°R56	2°R58	0°R42	13♒40	26♉20	25♉55	18♏ 8	n.a.	S 1
S 2	4 19 51	5° 4'48	20°48	10♐54	8°44	7°31	8♌13	29♓56	2♈57	0♉40	13°41	26°21	25°52	18°15	n.a.	S 2
M 3	4 23 47	6° 6'05	2♏37	9°39	8°55	7°59	8°12	29°55	2°57	0°39	13°42	26°22	25°49	18°22	n.a.	M 3
T 4	4 27 44	7° 7'22	14°24	8°21	9° 4	8°27	8°11	29°55	2°56	0°38	13°43	26°23	25°46	18°28	n.a.	T 4
W 5	4 31 40	8° 8'39	26°11	7° 0	9°10	8°54	8°10	29°54	2°55	0°37	13°43	26°R23	25°42	18°35	n.a.	W 5
T 6	4 35 37	9° 9'56	8♐ 2	5°40	9°14	9°21	8° 9	29°54	2°55	0°35	13°44	26°23	25°39	18°42	n.a.	T 6
F 7	4 39 34	10°11'12	19°57	4°23	9°R16	9°48	8° 8	29°D54	2°54	0°34	13°45	26°21	25°36	18°48	n.a.	F 7
S 8	4 43 30	11°12'28	2♑ 0	3°12	9°15	10°15	8° 6	29°54	2°53	0°33	13°46	26°20	25°33	18°55	n.a.	S 8
S 9	4 47 27	12°13'43	14°11	2° 7	9°11	10°41	8° 4	29°54	2°53	0°32	13°47	26°17	25°30	19° 2	n.a.	S 9
M10	4 51 23	13°14'58	26°33	1°11	9° 5	11° 7	8° 2	29°54	2°53	0°30	13°48	26°15	25°26	19° 8	n.a.	M10
T 11	4 55 20	14°16'13	9♒ 8	0°25	8°57	11°33	8° 0	29°55	2°52	0°29	13°48	26°12	25°23	19°15	n.a.	T 11
W12	4 59 16	15°17'26	21°57	29♏48	8°46	11°59	7°58	29°55	2°52	0°28	13°49	26°10	25°20	19°21	n.a.	W12
T 13	5 3 13	16°18'39	5♓ 4	29°21	8°32	12°24	7°55	29°56	2°52	0°27	13°50	26° 8	25°17	19°28	n.a.	T 13
F 14	5 7 9	17°19'51	18°30	29° 3	8°16	12°50	7°53	29°56	2°51	0°26	13°51	26°D 8	25°14	19°35	n.a.	F 14
S 15	5 11 6	18°21'02	2♈16	28°D55	7°57	13°15	7°50	29°57	2°51	0°25	13°52	26° 8	25°11	19°41	n.a.	S 15
S 16	5 15 3	19°22'12	16°24	28°55	7°36	13°39	7°47	29°58	2°51	0°24	13°53	26°10	25° 7	19°48	n.a.	S 16
M17	5 18 59	20°23'20	0♉53	29° 4	7°13	14° 4	7°43	29°59	2°D51	0°23	13°54	26°11	25° 4	19°55	n.a.	M17
T 18	5 22 56	21°24'28	15°39	29°20	6°48	14°28	7°40	0♈ 0	2°51	0°22	13°55	26°12	25° 1	20° 1	n.a.	T 18
W19	5 26 52	22°25'36	0♊37	29°42	6°20	14°52	7°36	0° 2	2°51	0°21	13°56	26°R13	24°58	20° 8	n.a.	W19
T 20	5 30 49	23°26'42	15°39	0♐11	5°51	15°15	7°32	0° 3	2°51	0°20	13°57	26°12	24°55	20°15	n.a.	T 20
F 21	5 34 45	24°27'47	0♋37	0°46	5°20	15°39	7°28	0° 4	2°52	0°19	13°59	26° 9	24°52	20°21	n.a.	F 21
S 22	5 38 42	25°28'52	15°23	1°26	4°47	16° 2	7°24	0° 6	2°52	0°19	14° 0	26° 5	24°48	20°28	n.a.	S 22
S 23	5 42 39	26°29'56	29°48	2°10	4°13	16°25	7°20	0° 8	2°52	0°18	14° 1	26° 0	24°45	20°35	n.a.	S 23
M24	5 46 35	27°30'58	13♌47	2°59	3°38	16°47	7°15	0°10	2°52	0°17	14° 2	25°56	24°42	20°41	n.a.	M24
T 25	5 50 32	28°32'01	27°20	3°51	3° 2	17° 9	7°11	0°12	2°53	0°16	14° 3	25°51	24°39	20°48	n.a.	T 25
W26	5 54 28	29°33'02	10♍24	4°47	2°25	17°31	7° 6	0°14	2°53	0°16	14° 4	25°48	24°36	20°55	n.a.	W26
T 27	5 58 25	0♑34'02	23° 4	5°46	1°48	17°52	7° 1	0°16	2°54	0°15	14° 5	25°46	24°32	21° 1	n.a.	T 27
F 28	6 2 21	1°35'02	5♎24	6°48	1°10	18°14	6°56	0°18	2°54	0°14	14° 7	25°D46	24°29	21° 8	n.a.	F 28
S 29	6 6 18	2°36'01	17°27	7°53	0°33	18°34	6°50	0°20	2°55	0°14	14° 8	25°47	24°26	21°14	n.a.	S 29
S 30	6 10 14	3°36'58	29°20	8°59	29♐57	18°55	6°45	0°23	2°55	0°13	14° 9	25°49	24°23	21°21	n.a.	S 30
M31	6 14 11	4♑37'55	11♏ 7	10♐ 8	29♐21	19♍15	6♌39	0♈25	2♈56	0♉13	14♒10	25♉50	24♉20	21♏28	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s14	0n 1	3n54	21s11	1n21	24s20	0s52	11n 6	2n14	19n29	1n 5	2s30	2s42	0n35	0s40	10n 2	1s58	30s44	14s30	19n35	19n29	16s47		n.a.
S 2	21 25	5s22	3 5	20 42	1 41	24 8	0 41	10 56	2 15	19 29	1 5	2 30	2 42	0 35	0 40	10 1	1 58	30 44	14 30	19 35	19 28	16 50		n.a.
M 3	21 36	10 32	2 8	20 13	1 59	23 56	0 29	10 47	2 16	19 30	1 5	2 30	2 42	0 35	0 40	10 1	1 58	30 43	14 29	19 35	19 27	16 52		n.a.
T 4	21 47	15 19	1 6	19 44	2 17	23 44	0 18	10 37	2 17	19 30	1 5	2 30	2 42	0 34	0 40	10 0	1 58	30 43	14 29	19 36	19 27	16 55		n.a.
W 5	21 57	19 32	0 1	19 15	2 32	23 31	0 6	10 28	2 18	19 31	1 6	2 30	2 41	0 34	0 40	10 0	1 58	30 42	14 29	19 36	19 26	16 58		n.a.
T 6	22 7	22 59	1s 4	18 48	2 46	23 18	0n 7	10 18	2 19	19 31	1 6	2 30	2 41	0 34	0 40	9 59	1 58	30 42	14 28	19 36	19 25	17 0		n.a.
F 7	22 16	25 28	2 7	18 24	2 57	23 5	0 20	10 9	2 20	19 32	1 6	2 29	2 41	0 34	0 40	9 59	1 58	30 41	14 28	19 35	19 24	17 3		n.a.
S 8	22 25	26 49	3 5	18 2	3 6	22 52	0 33	10 0	2 21	19 33	1 7	2 29	2 40	0 33	0 40	9 59	1 57	30 41	14 28	19 35	19 24	17 6		n.a.
S 9	22 33	26 52	3 55	17 43	3 12	22 39	0 47	9 50	2 22	19 33	1 7	2 29	2 40	0 33	0 40	9 58	1 57	30 40	14 28	19 34	19 23	17 9		n.a.
M10	22 41	25 36	4 35	17 28	3 16	22 25	1 1	9 41	2 23	19 34	1 7	2 28	2 40	0 33	0 40	9 58	1 57	30 40	14 27	19 34	19 22	17 11		n.a.
T 11	22 48	23 3	5 2	17 16	3 18	22 12	1 15	9 32	2 24	19 35	1 7	2 28	2 39	0 33	0 40	9 58	1 57	30 39	14 27	19 33	19 21	17 14		n.a.
W12	22 55	19 19	5 15	17 8	3 18	21 58	1 29	9 23	2 25	19 36	1 8	2 28	2 39	0 33	0 40	9 57	1 57	30 39	14 27	19 32	19 21	17 17		n.a.
T 13	23 2	14 36	5 12	17 4	3 16	21 44	1 44	9 14	2 26	19 37	1 8	2 27	2 39	0 33	0 39	9 57	1 57	30 38	14 27	19 32	19 20	17 19		n.a.
F 14	23 8	9 5	4 52	17 4	3 13	21 30	1 59	9 5	2 27	19 38	1 8	2 26	2 39	0 33	0 39	9 57	1 57	30 38	14 26	19 32	19 19	17 22		n.a.
S 15	23 14	2 59	4 15	17 7	3 8	21 16	2 14	8 56	2 28	19 39	1 9	2 26	2 38	0 33	0 39	9 56	1 57	30 37	14 26	19 32	19 18	17 25		n.a.
S 16	23 19	3n25	3 22	17 12	3 3	21 2	2 30	8 48	2 29	19 40	1 9	2 25	2 38	0 33	0 39	9 56	1 57	30 37	14 26	19 32	19 17	17 27		n.a.
M17	23 24	9 49	2 15	17 20	2 56	20 48	2 45	8 39	2 30	19 41	1 9	2 25	2 38	0 33	0 39	9 56	1 57	30 36	14 26	19 33	19 17	17 30		n.a.
T 18	23 28	15 49	0 58	17 31	2 49	20 34	3 1	8 31	2 31	19 42	1 9	2 24	2 37	0 33	0 39	9 55	1 57	30 35	14 25	19 33	19 16	17 33		n.a.
W19	23 32	20 56	0n24	17 44	2 41	20 20	3 16	8 22	2 32	19 44	1 10	2 23	2 37	0 33	0 39	9 55	1 57	30 35	14 25	19 33	19 15	17 35		n.a.
T 20	23 35	24 42	1 45	17 58	2 33	20 6	3 31	8 14	2 33	19 45	1 10	2 22	2 37	0 33	0 39	9 55	1 57	30 34	14 25	19 33	19 14	17 38		n.a.
F 21	23 38	26 43	2 58	18 14	2 24	19 52	3 47	8 6	2 35	19 46	1 10	2 21	2 36	0 33	0 39	9 55	1 57	30 34	14 25	19 32	19 14	17 40		n.a.
S 22	23 40	26 47	3 58	18 31	2 15	19 38	4 1	7 58	2 36	19 47	1 10	2 20	2 36	0 33	0 39	9 54	1 57	30 33	14 24	19 31	19 13	17 43		n.a.
S 23	23 42	25 2	4 41	18 49	2 6	19 25	4 16	7 50	2 37	19 49	1 11	2 19	2 36	0 33	0 39	9 54	1 57	30 33	14 24	19 30	19 12	17 46		n.a.
M24	23 43	21 46	5 6	19 7	1 56	19 12	4 30	7 42	2 38	19 50	1 11	2 18	2 35	0 34	0 39	9 54	1 57	30 32	14 24	19 29	19 11	17 48		n.a.
T 25	23 44	17 26	5 13	19 27	1 47	18 59	4 44	7 34	2 39	19 52	1 11	2 17	2 35	0 34	0 39	9 54	1 57	30 31	14 24	19 28	19 10	17 51		n.a.
W26	23 45	12 25	5 3	19 46	1 37	18 46	4 58	7 27	2 40	19 53	1 11	2 16	2 35	0 34	0 39	9 54	1 56	30 31	14 24	19 27	19 10	17 54		n.a.
T 27	23 45	7 2	4 38	20 6	1 28	18 34	5 10	7 19	2 41	19 55	1 12	2 15	2 35	0 34	0 39	9 53	1 56	30 30	14 23	19 27	19 9	17 56		n.a.
F 28	23 44	1 31	4 1	20 26	1 18	18 22	5 23	7 12	2 42	19 56	1 12	2 14	2 34	0 35	0 39	9 53	1 56	30 30	14 23	19 27	19 8	17 59		n.a.
S 29	23 43	3s57	3 14	20 46	1 9	18 11	5 34	7 5	2 44	19 58	1 12	2 13	2 34	0 35	0 39	9 53	1 56	30 29	14 23	19 27	19 7	18 1		n.a.
S 30	23 42	9 12	2 20	21 6	1 0	18 0	5 45	6 58	2 45	20 0	1 12	2 12	2 34	0 35	0 39	9 53	1 56	30 29	14 23	19 27	19 7	18 4		n.a.
M31	23s40	14s 6	1n20	21s25	0n51	17s50	5n55	6n51	2n46	20n 1	1n13	2s10	2s33	0n35	0s39	9n53	1s56	30s28	14s23	19n28	19n 6	18s 7		n.a.

Julian Day Number = 1569082.5, Delta T = 04h18m56s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'56, Lahiri = - 9°42'56 Julian Calendar 1 Dec. 418 BCE == Greg. Calendar 26 Nov. 418 BCE

The year -417 astronomical counting style corresponds to year 418 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

JANUARY 417 BCE (-416) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 18 8	5♑38'51	22♏53	11♐19	28°R46	19♍34	6°R34	0♈28	2♈57	0°R12	14♒12	25°R51	24♉17	21♏34	n.a.	T 1
W 2	6 22 4	6°39'46	4♐42	12°32	28♐11	19°54	6♌28	0°31	2°58	0♉12	14°13	25♉51	24°13	21°41	n.a.	W 2
T 3	6 26 1	7°40'40	16°38	13°46	27°39	20°13	6°22	0°34	2°58	0°11	14°14	25°49	24°10	21°48	n.a.	T 3
F 4	6 29 57	8°41'33	28°43	15° 2	27° 8	20°31	6°15	0°37	2°59	0°11	14°16	25°44	24° 7	21°54	n.a.	F 4
S 5	6 33 54	9°42'24	10♑59	16°20	26°38	20°49	6° 9	0°40	3° 0	0°10	14°17	25°38	24° 4	22° 1	n.a.	S 5
S 6	6 37 50	10°43'14	23°26	17°38	26°11	21° 7	6° 3	0°43	3° 1	0°10	14°18	25°30	24° 1	22° 8	n.a.	S 6
M 7	6 41 47	11°44'03	6♒ 6	18°59	25°45	21°24	5°56	0°46	3° 2	0°10	14°20	25°21	23°58	22°14	n.a.	M 7
T 8	6 45 44	12°44'49	18°59	20°20	25°22	21°41	5°50	0°50	3° 3	0° 9	14°21	25°12	23°54	22°21	n.a.	T 8
W 9	6 49 40	13°45'35	2♓ 4	21°42	25° 1	21°58	5°43	0°53	3° 5	0° 9	14°22	25° 5	23°51	22°28	n.a.	W 9
T 10	6 53 37	14°46'18	15°21	23° 6	24°42	22°13	5°36	0°57	3° 6	0° 9	14°24	24°59	23°48	22°34	n.a.	T 10
F 11	6 57 33	15°47'00	28°52	24°31	24°25	22°29	5°29	1° 0	3° 7	0° 9	14°25	24°55	23°45	22°41	n.a.	F 11
S 12	7 1 30	16°47'39	12♈35	25°57	24°11	22°44	5°22	1° 4	3° 8	0° 9	14°27	24°D54	23°42	22°48	n.a.	S 12
S 13	7 5 26	17°48'17	26°32	27°23	24° 0	22°58	5°15	1° 8	3°10	0° 8	14°28	24°54	23°38	22°54	n.a.	S 13
M14	7 9 23	18°48'53	10♉42	28°51	23°50	23°12	5° 8	1°12	3°11	0° 8	14°30	24°55	23°35	23° 1	n.a.	M14
T 15	7 13 19	19°49'27	25° 4	0♑20	23°44	23°26	5° 0	1°16	3°13	0° 8	14°31	24°R55	23°32	23° 7	n.a.	T 15
W16	7 17 16	20°50'00	9♊36	1°50	23°40	23°39	4°53	1°20	3°14	0°D 8	14°33	24°54	23°29	23°14	n.a.	W16
T 17	7 21 13	21°50'30	24°14	3°21	23°D38	23°52	4°45	1°25	3°16	0° 8	14°34	24°51	23°26	23°21	n.a.	T 17
F 18	7 25 9	22°50'59	8♋52	4°52	23°39	24° 3	4°38	1°29	3°17	0° 8	14°35	24°45	23°23	23°27	n.a.	F 18
S 19	7 29 6	23°51'25	23°23	6°25	23°42	24°15	4°30	1°33	3°19	0° 9	14°37	24°37	23°19	23°34	n.a.	S 19
S 20	7 33 2	24°51'50	7♌39	7°59	23°47	24°26	4°23	1°38	3°20	0° 9	14°38	24°27	23°16	23°41	n.a.	S 20
M21	7 36 59	25°52'13	21°36	9°33	23°55	24°36	4°15	1°42	3°22	0° 9	14°40	24°17	23°13	23°47	n.a.	M21
T 22	7 40 55	26°52'35	5♍ 9	11° 9	24° 5	24°46	4° 7	1°47	3°24	0° 9	14°41	24° 7	23°10	23°54	n.a.	T 22
W23	7 44 52	27°52'54	18°17	12°45	24°17	24°55	3°59	1°52	3°26	0° 9	14°43	23°59	23° 7	24° 1	n.a.	W23
T 24	7 48 48	28°53'12	1♎ 1	14°22	24°32	25° 4	3°52	1°57	3°28	0°10	14°45	23°53	23° 4	24° 7	n.a.	T 24
F 25	7 52 45	29°53'29	13°24	16° 1	24°48	25°12	3°44	2° 2	3°29	0°10	14°46	23°49	23° 0	24°14	n.a.	F 25
S 26	7 56 42	0♒53'44	25°30	17°40	25° 7	25°19	3°36	2° 7	3°31	0°10	14°48	23°48	22°57	24°21	n.a.	S 26
S 27	8 0 38	1°53'57	7♏24	19°21	25°27	25°26	3°28	2°12	3°33	0°11	14°49	23°D47	22°54	24°27	n.a.	S 27
M28	8 4 35	2°54'09	19°12	21° 2	25°49	25°32	3°20	2°17	3°35	0°11	14°51	23°R48	22°51	24°34	n.a.	M28
T 29	8 8 31	3°54'19	0♐59	22°45	26°13	25°37	3°12	2°22	3°37	0°11	14°52	23°48	22°48	24°41	n.a.	T 29
W30	8 12 28	4°54'27	12°51	24°28	26°39	25°42	3° 5	2°28	3°40	0°12	14°54	23°46	22°44	24°47	n.a.	W30
T 31	8 16 24	5♒54'34	24♐51	26♑13	27♐ 6	25♍46	2♌57	2♈33	3♈42	0♉12	14♒55	23♉42	22♉41	24♏54	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s37	18s28	0n16	21s45	0n41	17s40	6n 5	6n44	2n47	20n 3	1n13	2s 9	2s33	0n36	0s39	9n53	1s56	30s27	14s22	19n28	19n 5	18s 9		n.a.
W 2	23 35	22 8	0s48	22 3	0 32	17 31	6 13	6 37	2 48	20 5	1 13	2 8	2 33	0 36	0 39	9 53	1 56	30 27	14 22	19 28	19 4	18 12		n.a.
T 3	23 31	24 54	1 51	22 21	0 24	17 23	6 21	6 31	2 49	20 6	1 13	2 6	2 33	0 36	0 39	9 52	1 56	30 26	14 22	19 27	19 3	18 14		n.a.
F 4	23 27	26 33	2 49	22 39	0 15	17 15	6 28	6 24	2 50	20 8	1 14	2 5	2 32	0 37	0 39	9 52	1 56	30 26	14 22	19 26	19 3	18 17		n.a.
S 5	23 23	26 56	3 40	22 56	0 7	17 8	6 34	6 18	2 52	20 10	1 14	2 3	2 32	0 37	0 39	9 52	1 56	30 25	14 22	19 25	19 2	18 20		n.a.
S 6	23 18	25 58	4 21	23 12	0s 2	17 2	6 40	6 12	2 53	20 12	1 14	2 2	2 32	0 38	0 39	9 52	1 56	30 25	14 21	19 23	19 1	18 22		n.a.
M 7	23 13	23 40	4 51	23 27	0 10	16 57	6 44	6 7	2 54	20 14	1 14	2 0	2 31	0 38	0 39	9 52	1 56	30 24	14 21	19 21	19 0	18 25		n.a.
T 8	23 8	20 9	5 6	23 41	0 18	16 52	6 48	6 1	2 55	20 16	1 14	1 58	2 31	0 39	0 38	9 52	1 56	30 23	14 21	19 19	18 59	18 27		n.a.
W 9	23 2	15 37	5 5	23 54	0 25	16 48	6 51	5 55	2 56	20 17	1 15	1 57	2 31	0 39	0 38	9 52	1 56	30 23	14 21	19 17	18 59	18 30		n.a.
T 10	22 55	10 16	4 48	24 7	0 33	16 45	6 54	5 50	2 58	20 19	1 15	1 55	2 31	0 40	0 38	9 52	1 55	30 22	14 21	19 15	18 58	18 33		n.a.
F 11	22 48	4 21	4 16	24 18	0 40	16 43	6 55	5 45	2 59	20 21	1 15	1 53	2 30	0 40	0 38	9 52	1 55	30 22	14 21	19 14	18 57	18 35		n.a.
S 12	22 41	1n51	3 28	24 28	0 47	16 41	6 56	5 40	3 0	20 23	1 15	1 51	2 30	0 41	0 38	9 52	1 55	30 21	14 21	19 14	18 56	18 38		n.a.
S 13	22 33	8 5	2 27	24 37	0 54	16 40	6 57	5 35	3 1	20 25	1 15	1 50	2 30	0 41	0 38	9 52	1 55	30 20	14 20	19 14	18 55	18 40		n.a.
M14	22 24	14 1	1 16	24 45	1 0	16 40	6 57	5 31	3 2	20 27	1 16	1 48	2 30	0 42	0 38	9 52	1 55	30 20	14 20	19 14	18 55	18 43		n.a.
T 15	22 16	19 17	0n 1	24 51	1 7	16 40	6 56	5 27	3 4	20 29	1 16	1 46	2 29	0 43	0 38	9 52	1 55	30 19	14 20	19 15	18 54	18 45		n.a.
W16	22 7	23 28	1 18	24 57	1 12	16 42	6 55	5 23	3 5	20 31	1 16	1 44	2 29	0 43	0 38	9 52	1 55	30 19	14 20	19 14	18 53	18 48		n.a.
T 17	21 57	26 7	2 30	25 0	1 18	16 43	6 53	5 19	3 6	20 33	1 16	1 42	2 29	0 44	0 38	9 52	1 55	30 18	14 20	19 13	18 52	18 50		n.a.
F 18	21 47	26 59	3 33	25 3	1 24	16 46	6 50	5 15	3 7	20 35	1 16	1 40	2 28	0 44	0 38	9 53	1 55	30 18	14 20	19 12	18 51	18 53		n.a.
S 19	21 37	25 58	4 21	25 4	1 29	16 48	6 48	5 11	3 9	20 37	1 16	1 38	2 28	0 45	0 38	9 53	1 55	30 17	14 20	19 10	18 51	18 56		n.a.
S 20	21 26	23 17	4 51	25 4	1 33	16 52	6 45	5 8	3 10	20 39	1 17	1 36	2 28	0 46	0 38	9 53	1 55	30 17	14 20	19 8	18 50	18 58		n.a.
M21	21 15	19 16	5 4	25 2	1 38	16 56	6 41	5 5	3 11	20 41	1 17	1 34	2 28	0 47	0 38	9 53	1 55	30 16	14 20	19 5	18 49	19 1		n.a.
T 22	21 3	14 22	4 59	24 58	1 42	17 0	6 37	5 2	3 12	20 43	1 17	1 32	2 27	0 47	0 38	9 53	1 55	30 15	14 20	19 3	18 48	19 3		n.a.
W23	20 51	8 56	4 38	24 53	1 46	17 5	6 33	5 0	3 13	20 45	1 17	1 30	2 27	0 48	0 38	9 53	1 55	30 15	14 20	19 0	18 47	19 6		n.a.
T 24	20 39	3 18	4 3	24 46	1 49	17 10	6 28	4 57	3 15	20 47	1 17	1 28	2 27	0 49	0 38	9 53	1 54	30 14	14 19	18 59	18 47	19 8		n.a.
F 25	20 26	2s19	3 18	24 38	1 53	17 15	6 24	4 55	3 16	20 49	1 17	1 25	2 27	0 50	0 38	9 53	1 54	30 14	14 19	18 58	18 46	19 11		n.a.
S 26	20 13	7 44	2 25	24 28	1 55	17 21	6 19	4 53	3 17	20 51	1 17	1 23	2 26	0 50	0 38	9 54	1 54	30 13	14 19	18 58	18 45	19 13		n.a.
S 27	20 0	12 48	1 26	24 16	1 58	17 27	6 13	4 52	3 18	20 53	1 17	1 21	2 26	0 51	0 38	9 54	1 54	30 13	14 19	18 58	18 44	19 16		n.a.
M28	19 46	17 21	0 25	24 3	2 0	17 33	6 8	4 50	3 19	20 55	1 18	1 19	2 26	0 52	0 38	9 54	1 54	30 12	14 19	18 58	18 43	19 18		n.a.
T 29	19 32	21 15	0s38	23 48	2 1	17 39	6 2	4 49	3 20	20 57	1 18	1 16	2 26	0 53	0 38	9 54	1 54	30 12	14 19	18 58	18 42	19 21		n.a.
W30	19 17	24 17	1 40	23 31	2 3	17 46	5 56	4 48	3 21	20 59	1 18	1 14	2 26	0 54	0 38	9 55	1 54	30 11	14 19	18 57	18 42	19 23		n.a.
T 31	19s 2	26s16	2s37	23s12	2s 3	17s53	5n50	4n48	3n23	21n 1	1n18	1s11	2s25	0n55	0s38	9n55	1s54	30s11	14s19	18n56	18n41	19s26		n.a.

Julian Day Number = 1569113.5, Delta T = 04h18m55s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'52, Lahiri = - 9°42'51 Julian Calendar 1 Jan. 417 BCE == Greg. Calendar 27 Dec. 418 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

FEBRUARY 417 BCE (-416) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 20 21	6♒54'38	7♉ 5	27♉59	27♗35	25♍49	2°R49	2♈38	3♈44	0♉13	14♒57	23°R35	22♉38	25♏ 0	n.a.	F 1
S 2	8 24 17	7°54'41	19°33	29°45	28° 6	25°52	2♌41	2°44	3°46	0°14	14°59	23♉25	22°35	25° 7	n.a.	S 2
S 3	8 28 14	8°54'42	2♒18	1♒33	28°38	25°53	2°33	2°50	3°48	0°14	15° 0	23°14	22°32	25°14	n.a.	S 3
M 4	8 32 11	9°54'41	15°18	3°22	29°12	25°55	2°25	2°55	3°51	0°15	15° 2	23° 1	22°29	25°20	n.a.	M 4
T 5	8 36 7	10°54'38	28°34	5°12	29°46	25°R55	2°18	3° 1	3°53	0°15	15° 3	22°48	22°25	25°27	n.a.	T 5
W 6	8 40 4	11°54'33	12♓ 3	7° 3	0♉22	25°55	2°10	3° 7	3°55	0°16	15° 5	22°36	22°22	25°34	n.a.	W 6
T 7	8 44 0	12°54'25	25°42	8°56	1° 0	25°54	2° 2	3°13	3°58	0°17	15° 6	22°27	22°19	25°40	n.a.	T 7
F 8	8 47 57	13°54'15	9♈29	10°49	1°38	25°52	1°55	3°19	4° 0	0°18	15° 8	22°21	22°16	25°47	n.a.	F 8
S 9	8 51 53	14°54'03	23°23	12°43	2°18	25°49	1°47	3°25	4° 3	0°19	15°10	22°17	22°13	25°54	n.a.	S 9
S 10	8 55 50	15°53'48	7♉22	14°39	2°59	25°46	1°40	3°31	4° 5	0°19	15°11	22°16	22°10	26° 0	n.a.	S 10
M11	8 59 46	16°53'31	21°26	16°35	3°41	25°42	1°32	3°37	4° 8	0°20	15°13	22°16	22° 6	26° 7	n.a.	M11
T 12	9 3 43	17°53'12	5♊34	18°33	4°24	25°37	1°25	3°43	4°10	0°21	15°14	22°15	22° 3	26°14	n.a.	T 12
W13	9 7 39	18°52'51	19°45	20°31	5° 8	25°32	1°18	3°50	4°13	0°22	15°16	22°13	22° 0	26°20	n.a.	W13
T 14	9 11 36	19°52'26	3♋57	22°30	5°53	25°25	1°11	3°56	4°16	0°23	15°17	22° 9	21°57	26°27	n.a.	T 14
F 15	9 15 33	20°52'00	18° 8	24°29	6°38	25°18	1° 4	4° 3	4°18	0°24	15°19	22° 2	21°54	26°33	n.a.	F 15
S 16	9 19 29	21°51'31	2♌13	26°30	7°25	25°10	0°57	4° 9	4°21	0°25	15°21	21°52	21°50	26°40	n.a.	S 16
S 17	9 23 26	22°51'00	16° 7	28°30	8°12	25° 2	0°50	4°15	4°24	0°26	15°22	21°40	21°47	26°47	n.a.	S 17
M18	9 27 22	23°50'27	29°46	0♓31	9° 1	24°52	0°43	4°22	4°27	0°27	15°24	21°27	21°44	26°53	n.a.	M18
T 19	9 31 19	24°49'51	13♍ 7	2°31	9°50	24°42	0°36	4°29	4°29	0°28	15°25	21°15	21°41	27° 0	n.a.	T 19
W20	9 35 15	25°49'14	26° 8	4°31	10°40	24°31	0°30	4°35	4°32	0°29	15°27	21° 4	21°38	27° 7	n.a.	W20
T 21	9 39 12	26°48'34	8♎49	6°30	11°30	24°19	0°23	4°42	4°35	0°31	15°28	20°56	21°35	27°13	n.a.	T 21
F 22	9 43 8	27°47'53	21°11	8°29	12°21	24° 7	0°17	4°49	4°38	0°32	15°30	20°50	21°31	27°20	n.a.	F 22
S 23	9 47 5	28°47'09	3♏17	10°26	13°13	23°54	0°11	4°56	4°41	0°33	15°32	20°47	21°28	27°27	n.a.	S 23
S 24	9 51 2	29°46'24	15°13	12°21	14° 6	23°40	0° 5	5° 3	4°44	0°34	15°33	20°46	21°25	27°33	n.a.	S 24
M25	9 54 58	0♓45'37	27° 2	14°14	14°59	23°25	29♋59	5°10	4°47	0°36	15°35	20°46	21°22	27°40	n.a.	M25
T 26	9 58 55	1°44'48	8♐50	16° 4	15°53	23°10	29°53	5°16	4°50	0°37	15°36	20°46	21°19	27°47	n.a.	T 26
W27	10 2 51	2°43'57	20°44	17°52	16°47	22°54	29°48	5°23	4°53	0°38	15°38	20°45	21°16	27°53	n.a.	W27
T 28	10 6 48	3°43'04	2♑47	19°36	17°42	22°37	29°42	5°31	4°56	0°40	15°39	20°41	21°12	28° 0	n.a.	T 28
F 29	10 10 44	4♓42'09	15♑ 5	21♓17	18♑37	22♍20	29♋37	5♈38	4♈59	0♉41	15♒41	20♉36	21♉ 9	28♏ 7	n.a.	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s47	27s 1	3s28	22s51	2s 4	17s59	5n44	4n48	3n24	21n 3	1n18	1s 9	2s25	0n56	0s38	9n55	1s54	30s10	14s19	18n55	18n40	19s28		n.a.
S 2	18 32	26 26	4 11	22 29	2 4	18 6	5 38	4 47	3 25	21 5	1 18	1 7	2 25	0 57	0 38	9 55	1 54	30 9	14 19	18 52	18 39	19 31		n.a.
S 3	18 16	24 28	4 41	22 4	2 3	18 13	5 32	4 48	3 26	21 7	1 18	1 4	2 25	0 58	0 38	9 56	1 54	30 9	14 19	18 49	18 38	19 33		n.a.
M 4	18 0	21 11	4 58	21 38	2 2	18 20	5 25	4 48	3 27	21 8	1 18	1 2	2 24	0 58	0 38	9 56	1 54	30 8	14 19	18 46	18 38	19 36		n.a.
T 5	17 43	16 47	4 59	21 10	2 1	18 26	5 19	4 49	3 28	21 10	1 18	0 59	2 24	0 59	0 38	9 56	1 54	30 8	14 19	18 42	18 37	19 38		n.a.
W 6	17 26	11 29	4 44	20 39	1 59	18 33	5 12	4 50	3 29	21 12	1 18	0 57	2 24	1 0	0 37	9 56	1 54	30 7	14 19	18 40	18 36	19 41		n.a.
T 7	17 9	5 35	4 12	20 7	1 56	18 39	5 5	4 51	3 30	21 14	1 18	0 54	2 24	1 1	0 37	9 57	1 54	30 7	14 19	18 37	18 35	19 43		n.a.
F 8	16 52	0n40	3 26	19 33	1 53	18 46	4 58	4 53	3 31	21 16	1 18	0 51	2 24	1 2	0 37	9 57	1 53	30 6	14 19	18 35	18 34	19 45		n.a.
S 9	16 34	6 56	2 26	18 57	1 49	18 52	4 52	4 55	3 32	21 17	1 18	0 49	2 23	1 3	0 37	9 57	1 53	30 6	14 19	18 35	18 33	19 48		n.a.
S 10	16 17	12 55	1 18	18 19	1 45	18 58	4 45	4 57	3 33	21 19	1 18	0 46	2 23	1 4	0 37	9 58	1 53	30 5	14 19	18 34	18 33	19 50		n.a.
M11	15 58	18 17	0 4	17 39	1 40	19 4	4 38	4 59	3 33	21 21	1 18	0 44	2 23	1 6	0 37	9 58	1 53	30 5	14 19	18 34	18 32	19 53		n.a.
T 12	15 40	22 39	1n10	16 58	1 35	19 10	4 31	5 2	3 34	21 23	1 19	0 41	2 23	1 7	0 37	9 59	1 53	30 5	14 19	18 34	18 31	19 55		n.a.
W13	15 21	25 40	2 20	16 14	1 29	19 15	4 24	5 5	3 35	21 24	1 19	0 38	2 23	1 8	0 37	9 59	1 53	30 4	14 19	18 34	18 30	19 58		n.a.
T 14	15 3	27 2	3 21	15 29	1 22	19 20	4 17	5 8	3 36	21 26	1 19	0 35	2 22	1 9	0 37	9 59	1 53	30 4	14 19	18 33	18 29	20 0		n.a.
F 15	14 43	26 38	4 10	14 42	1 15	19 25	4 10	5 12	3 36	21 27	1 19	0 33	2 22	1 10	0 37	10 0	1 53	30 3	14 19	18 31	18 28	20 3		n.a.
S 16	14 24	24 31	4 43	13 54	1 8	19 30	4 3	5 15	3 37	21 29	1 19	0 30	2 22	1 11	0 37	10 0	1 53	30 3	14 19	18 28	18 28	20 5		n.a.
S 17	14 5	20 57	4 59	13 4	0 59	19 34	3 56	5 19	3 38	21 30	1 19	0 27	2 22	1 12	0 37	10 1	1 53	30 2	14 19	18 25	18 27	20 7		n.a.
M18	13 45	16 19	4 57	12 13	0 50	19 38	3 49	5 24	3 38	21 32	1 19	0 24	2 22	1 13	0 37	10 1	1 53	30 2	14 20	18 21	18 26	20 10		n.a.
T 19	13 25	11 0	4 39	11 21	0 41	19 41	3 42	5 28	3 39	21 33	1 19	0 22	2 22	1 14	0 37	10 2	1 53	30 1	14 20	18 18	18 25	20 12		n.a.
W20	13 5	5 19	4 7	10 27	0 31	19 45	3 35	5 33	3 39	21 35	1 18	0 19	2 21	1 16	0 37	10 2	1 53	30 1	14 20	18 15	18 24	20 15		n.a.
T 21	12 44	0s27	3 23	9 33	0 20	19 48	3 28	5 38	3 39	21 36	1 18	0 16	2 21	1 17	0 37	10 3	1 53	30 1	14 20	18 13	18 23	20 17		n.a.
F 22	12 24	6 3	2 30	8 38	0 9	19 50	3 21	5 43	3 40	21 38	1 18	0 13	2 21	1 18	0 37	10 3	1 53	30 0	14 20	18 12	18 23	20 19		n.a.
S 23	12 3	11 21	1 31	7 43	0n 2	19 52	3 14	5 49	3 40	21 39	1 18	0 10	2 21	1 19	0 37	10 3	1 52	30 0	14 20	18 11	18 22	20 22		n.a.
S 24	11 42	16 8	0 29	6 48	0 14	19 54	3 7	5 54	3 40	21 40	1 18	0 7	2 21	1 20	0 37	10 4	1 52	29 59	14 20	18 11	18 21	20 24		n.a.
M25	11 21	20 17	0s33	5 53	0 26	19 55	3 0	6 0	3 40	21 41	1 18	0 4	2 21	1 22	0 37	10 4	1 52	29 59	14 20	18 11	18 20	20 27		n.a.
T 26	10 59	23 37	1 34	4 59	0 38	19 55	2 53	6 6	3 40	21 43	1 18	0 1	2 21	1 23	0 37	10 5	1 52	29 59	14 20	18 11	18 19	20 29		n.a.
W27	10 38	25 57	2 32	4 5	0 50	19 56	2 46	6 13	3 40	21 44	1 18	0n 2	2 20	1 24	0 37	10 6	1 52	29 58	14 20	18 10	18 18	20 31		n.a.
T 28	10 16	27 6	3 23	3 12	1 3	19 55	2 40	6 19	3 40	21 45	1 18	0 4	2 20	1 25	0 37	10 6	1 52	29 58	14 20	18 9	18 18	20 34		n.a.
F 29	9s55	26s58	4s 6	2s21	1n15	19s55	2n33	6n26	3n40	21n46	1n18	0n 7	2s20	1n26	0s37	10n 7	1s52	29s57	14s21	18n 8	18n17	20s36		n.a.

Julian Day Number = 1569144.5, Delta T = 04h18m54s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'48, Lahiri = - 9°42'47 Julian Calendar 1 Feb. 417 BCE == Greg. Calendar 27 Jan. 417 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

MARCH 417 BCE (-416) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 14 41	5♓41'13	27♉41	22♓53	19♉33	22°R 2	29°R31	5♈45	5♈ 2	0♉43	15♒42	20°R27	21♉ 6	28♏13	n.a.	S 1
S 2	10 18 37	6°40'14	10♒38	24°25	20°30	21♍44	29♋26	5°52	5° 5	0°44	15°44	20♉17	21° 3	28°20	n.a.	S 2
M 3	10 22 34	7°39'13	23°55	25°52	21°26	21°25	29°21	5°59	5° 8	0°46	15°45	20° 5	21° 0	28°26	n.a.	M 3
T 4	10 26 31	8°38'10	7♓32	27°14	22°24	21° 5	29°17	6° 6	5°11	0°47	15°47	19°53	20°56	28°33	n.a.	T 4
W 5	10 30 27	9°37'05	21°25	28°30	23°21	20°45	29°12	6°14	5°15	0°49	15°48	19°42	20°53	28°40	n.a.	W 5
T 6	10 34 24	10°35'58	5♈31	29°41	24°20	20°25	29° 8	6°21	5°18	0°50	15°50	19°34	20°50	28°46	n.a.	T 6
F 7	10 38 20	11°34'49	19°43	0♈46	25°18	20° 4	29° 3	6°28	5°21	0°52	15°51	19°28	20°47	28°53	n.a.	F 7
S 8	10 42 17	12°33'37	3♉59	1°46	26°17	19°43	28°59	6°36	5°24	0°53	15°53	19°25	20°44	29° 0	n.a.	S 8
S 9	10 46 13	13°32'23	18°13	2°39	27°16	19°21	28°55	6°43	5°28	0°55	15°54	19°D24	20°41	29° 6	n.a.	S 9
M10	10 50 10	14°31'07	2♊25	3°26	28°16	18°59	28°52	6°51	5°31	0°57	15°55	19°24	20°37	29°13	n.a.	M10
T 11	10 54 6	15°29'48	16°32	4° 7	29°16	18°37	28°48	6°58	5°34	0°58	15°57	19°R25	20°34	29°20	n.a.	T 11
W12	10 58 3	16°28'27	0♋34	4°41	0♒16	18°15	28°45	7° 6	5°37	1° 0	15°58	19°24	20°31	29°26	n.a.	W12
T 13	11 1 59	17°27'04	14°29	5° 9	1°17	17°53	28°41	7°13	5°41	1° 2	16° 0	19°21	20°28	29°33	n.a.	T 13
F 14	11 5 56	18°25'38	28°17	5°30	2°18	17°30	28°38	7°21	5°44	1° 3	16° 1	19°16	20°25	29°40	n.a.	F 14
S 15	11 9 53	19°24'10	11♌56	5°46	3°19	17° 8	28°35	7°28	5°47	1° 5	16° 2	19° 8	20°21	29°46	n.a.	S 15
S 16	11 13 49	20°22'40	25°24	5°55	4°21	16°45	28°33	7°36	5°51	1° 7	16° 4	18°59	20°18	29°53	n.a.	S 16
M17	11 17 46	21°21'08	8♍39	5°R57	5°22	16°23	28°30	7°44	5°54	1° 9	16° 5	18°49	20°15	29°59	n.a.	M17
T 18	11 21 42	22°19'33	21°40	5°54	6°25	16° 0	28°28	7°51	5°57	1°11	16° 6	18°39	20°12	0♐ 6	n.a.	T 18
W19	11 25 39	23°17'57	4♎25	5°45	7°27	15°38	28°26	7°59	6° 1	1°12	16° 8	18°30	20° 9	0°13	n.a.	W19
T 20	11 29 35	24°16'18	16°55	5°31	8°30	15°16	28°24	8° 7	6° 4	1°14	16° 9	18°24	20° 6	0°19	n.a.	T 20
F 21	11 33 32	25°14'38	29°10	5°11	9°32	14°54	28°22	8°14	6° 8	1°16	16°10	18°20	20° 2	0°26	n.a.	F 21
S 22	11 37 28	26°12'56	11♏13	4°47	10°36	14°32	28°20	8°22	6°11	1°18	16°12	18°18	19°59	0°33	n.a.	S 22
S 23	11 41 25	27°11'12	23° 7	4°19	11°39	14°10	28°19	8°30	6°14	1°20	16°13	18°D17	19°56	0°39	n.a.	S 23
M24	11 45 21	28° 9'27	4♐56	3°47	12°43	13°49	28°18	8°38	6°18	1°22	16°14	18°18	19°53	0°46	n.a.	M24
T 25	11 49 18	29° 7'40	16°44	3°13	13°47	13°28	28°16	8°45	6°21	1°24	16°15	18°20	19°50	0°53	n.a.	T 25
W26	11 53 15	0♈ 5'51	28°38	2°36	14°51	13° 8	28°16	8°53	6°25	1°26	16°17	18°R20	19°47	0°59	n.a.	W26
T 27	11 57 11	1° 4'01	10♑42	1°57	15°55	12°48	28°15	9° 1	6°28	1°28	16°18	18°20	19°43	1° 6	n.a.	T 27
F 28	12 1 8	2° 2'10	23° 1	1°18	16°59	12°28	28°14	9° 9	6°31	1°30	16°19	18°18	19°40	1°13	n.a.	F 28
S 29	12 5 4	3° 0'16	5♒39	0°38	18° 4	12° 9	28°14	9°17	6°35	1°32	16°20	18°13	19°37	1°19	n.a.	S 29
S 30	12 9 1	3°58'21	18°40	29♓59	19° 9	11°51	28°D14	9°24	6°38	1°34	16°21	18° 8	19°34	1°26	n.a.	S 30
M31	12 12 57	4♈56'25	2♓ 6	29♓22	20♒14	11♍33	28♋14	9♈32	6♈42	1♉36	16♒22	18♉ 1	19♉31	1♐33	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s33	25s26	4s39	1s32	1n27	19s53	2n26	6n33	3n39	21n47	1n18	0n10	2s20	1n28	0s37	10n 7	1s52	29s57	14s21	18n 5	18n16	20s39			n.a.
S 2	9 11	22 33	4 57	0 44	1 39	19 52	2 20	6 40	3 39	21 48	1 18	0 13	2 20	1 29	0 37	10 8	1 52	29 57	14 21	18 3	18 15	20 41			n.a.
M 3	8 48	18 26	5 1	0n 2	1 51	19 50	2 13	6 47	3 38	21 49	1 18	0 16	2 20	1 30	0 37	10 8	1 52	29 56	14 21	17 59	18 14	20 43			n.a.
T 4	8 26	13 17	4 48	0 45	2 2	19 47	2 6	6 54	3 38	21 50	1 18	0 19	2 20	1 32	0 37	10 9	1 52	29 56	14 21	17 56	18 13	20 46			n.a.
W 5	8 4	7 22	4 17	1 26	2 13	19 44	2 0	7 2	3 37	21 51	1 18	0 22	2 19	1 33	0 37	10 9	1 52	29 56	14 21	17 53	18 12	20 48			n.a.
T 6	7 41	1 0	3 31	2 4	2 24	19 40	1 54	7 9	3 36	21 52	1 18	0 26	2 19	1 34	0 37	10 10	1 52	29 55	14 22	17 51	18 12	20 50			n.a.
F 7	7 19	5n29	2 31	2 39	2 33	19 36	1 47	7 17	3 36	21 52	1 18	0 29	2 19	1 35	0 37	10 11	1 52	29 55	14 22	17 49	18 11	20 53			n.a.
S 8	6 56	11 44	1 21	3 11	2 42	19 31	1 41	7 24	3 35	21 53	1 17	0 32	2 19	1 37	0 37	10 11	1 52	29 55	14 22	17 48	18 10	20 55			n.a.
S 9	6 33	17 23	0 6	3 40	2 50	19 26	1 35	7 32	3 34	21 54	1 17	0 35	2 19	1 38	0 37	10 12	1 52	29 54	14 22	17 48	18 9	20 57			n.a.
M10	6 10	22 2	1n 9	4 5	2 57	19 20	1 29	7 40	3 32	21 55	1 17	0 38	2 19	1 39	0 37	10 13	1 52	29 54	14 22	17 48	18 8	21 0			n.a.
T 11	5 47	25 22	2 19	4 27	3 3	19 13	1 22	7 47	3 31	21 55	1 17	0 41	2 19	1 41	0 37	10 13	1 52	29 54	14 22	17 48	18 7	21 2			n.a.
W12	5 24	27 6	3 21	4 45	3 8	19 7	1 16	7 55	3 30	21 56	1 17	0 44	2 19	1 42	0 37	10 14	1 52	29 54	14 23	17 48	18 6	21 4			n.a.
T 13	5 1	27 6	4 10	5 0	3 12	18 59	1 10	8 2	3 28	21 57	1 17	0 47	2 19	1 43	0 37	10 14	1 51	29 53	14 23	17 47	18 6	21 7			n.a.
F 14	4 38	25 25	4 44	5 12	3 15	18 51	1 5	8 10	3 27	21 57	1 17	0 50	2 19	1 45	0 37	10 15	1 51	29 53	14 23	17 46	18 5	21 9			n.a.
S 15	4 15	22 15	5 2	5 19	3 17	18 43	0 59	8 17	3 25	21 58	1 17	0 53	2 18	1 46	0 37	10 16	1 51	29 53	14 23	17 44	18 4	21 11			n.a.
S 16	3 52	17 57	5 2	5 23	3 17	18 34	0 53	8 25	3 24	21 58	1 17	0 56	2 18	1 47	0 37	10 16	1 51	29 53	14 23	17 41	18 3	21 13			n.a.
M17	3 28	12 51	4 47	5 23	3 16	18 24	0 47	8 32	3 22	21 58	1 17	0 59	2 18	1 49	0 37	10 17	1 51	29 52	14 24	17 38	18 2	21 16			n.a.
T 18	3 5	7 15	4 16	5 20	3 14	18 14	0 42	8 39	3 20	21 59	1 16	1 3	2 18	1 50	0 37	10 18	1 51	29 52	14 24	17 36	18 1	21 18			n.a.
W19	2 42	1 28	3 33	5 12	3 10	18 4	0 36	8 46	3 18	21 59	1 16	1 6	2 18	1 52	0 37	10 18	1 51	29 52	14 24	17 33	18 0	21 20			n.a.
T 20	2 18	4s16	2 40	5 2	3 4	17 53	0 31	8 53	3 16	21 59	1 16	1 9	2 18	1 53	0 37	10 19	1 51	29 52	14 24	17 32	18 0	21 23			n.a.
F 21	1 55	9 45	1 41	4 48	2 58	17 41	0 26	9 0	3 14	22 0	1 16	1 12	2 18	1 54	0 37	10 20	1 51	29 52	14 24	17 30	17 59	21 25			n.a.
S 22	1 31	14 47	0 38	4 31	2 49	17 29	0 20	9 6	3 11	22 0	1 16	1 15	2 18	1 56	0 37	10 21	1 51	29 51	14 25	17 30	17 58	21 27			n.a.
S 23	1 8	19 12	0s26	4 11	2 40	17 16	0 15	9 12	3 9	22 0	1 16	1 18	2 18	1 57	0 37	10 21	1 51	29 51	14 25	17 30	17 57	21 29			n.a.
M24	0 45	22 51	1 29	3 48	2 29	17 3	0 10	9 19	3 7	22 0	1 16	1 21	2 18	1 58	0 37	10 22	1 51	29 51	14 25	17 30	17 56	21 32			n.a.
T 25	0 21	25 31	2 27	3 23	2 17	16 49	0 5	9 25	3 4	22 0	1 16	1 25	2 18	2 0	0 37	10 23	1 51	29 51	14 25	17 30	17 55	21 34			n.a.
W26	0n 2	27 5	3 20	2 56	2 4	16 35	0 0	9 30	3 2	22 0	1 15	1 28	2 18	2 1	0 37	10 23	1 51	29 51	14 26	17 31	17 54	21 36			n.a.
T 27	0 26	27 23	4 5	2 28	1 50	16 21	0s 5	9 36	2 59	22 0	1 15	1 31	2 18	2 3	0 37	10 24	1 51	29 50	14 26	17 30	17 54	21 38			n.a.
F 28	0 49	26 21	4 40	1 58	1 35	16 5	0 9	9 41	2 57	22 0	1 15	1 34	2 18	2 4	0 36	10 25	1 51	29 50	14 26	17 30	17 53	21 41			n.a.
S 29	1 13	23 58	5 2	1 28	1 19	15 50	0 14	9 46	2 54	22 0	1 15	1 37	2 18	2 5	0 36	10 26	1 51	29 50	14 26	17 29	17 52	21 43			n.a.
S 30	1 36	20 18	5 9	0 57	1 3	15 34	0 18	9 50	2 51	22 0	1 15	1 40	2 18	2 7	0 36	10 26	1 51	29 50	14 27	17 27	17 51	21 45			n.a.
M31	1n59	15s31	5s 0	0n27	0n46	15s17	0s23	9n55	2n49	22n 0	1n15	1n43	2s17	2n 8	0s36	10n27	1s51	29s50	14s27	17n25	17n50	21s47			n.a.

Julian Day Number = 1569173.5, Delta T = 04h18m53s
Ecliptic obliquity = 23°44'51, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'44, Lahiri = - 9°42'43 Julian Calendar 1 March 417 BCE == Greg. Calendar 25 Feb. 417 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

APRIL 417 BCE (-416) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 16 54	5♈54'27	15♓55	28°R46	21♒19	11°R16	28♋14	9♈40	6♈45	1♉38	16♒24	17°R54	19♉27	1♐39	n.a.	T 1
W 2	12 20 50	6°52'27	0♈ 5	28♓12	22°25	10♍59	28°15	9°48	6°49	1°40	16°25	17♉48	19°24	1°46	n.a.	W 2
T 3	12 24 47	7°50'26	14°32	27°42	23°30	10°43	28°15	9°56	6°52	1°42	16°26	17°43	19°21	1°53	n.a.	T 3
F 4	12 28 44	8°48'23	29°10	27°15	24°36	10°28	28°16	10° 4	6°56	1°44	16°27	17°40	19°18	1°59	n.a.	F 4
S 5	12 32 40	9°46'18	13♉50	26°51	25°42	10°13	28°17	10°11	6°59	1°46	16°28	17°D38	19°15	2° 6	n.a.	S 5
S 6	12 36 37	10°44'11	28°28	26°32	26°48	9°59	28°18	10°19	7° 2	1°48	16°29	17°39	19°12	2°12	n.a.	S 6
M 7	12 40 33	11°42'03	12♊58	26°17	27°54	9°46	28°19	10°27	7° 6	1°51	16°30	17°40	19° 8	2°19	n.a.	M 7
T 8	12 44 30	12°39'52	27°17	26° 6	29° 0	9°34	28°21	10°35	7° 9	1°53	16°31	17°41	19° 5	2°26	n.a.	T 8
W 9	12 48 26	13°37'40	11♋21	26° 0	0♓ 7	9°22	28°23	10°43	7°13	1°55	16°32	17°R42	19° 2	2°32	n.a.	W 9
T 10	12 52 23	14°35'26	25°12	25°D59	1°13	9°11	28°24	10°51	7°16	1°57	16°33	17°42	18°59	2°39	n.a.	T 10
F 11	12 56 19	15°33'11	8♌47	26° 2	2°20	9° 1	28°27	10°59	7°20	1°59	16°34	17°40	18°56	2°46	n.a.	F 11
S 12	13 0 16	16°30'53	22° 7	26°10	3°27	8°52	28°29	11° 6	7°23	2° 1	16°35	17°37	18°53	2°52	n.a.	S 12
S 13	13 4 13	17°28'33	5♍14	26°22	4°34	8°44	28°31	11°14	7°26	2° 3	16°36	17°32	18°49	2°59	n.a.	S 13
M14	13 8 9	18°26'12	18° 6	26°39	5°41	8°36	28°34	11°22	7°30	2° 6	16°36	17°28	18°46	3° 6	n.a.	M14
T 15	13 12 6	19°23'50	0♎46	27° 1	6°48	8°30	28°36	11°30	7°33	2° 8	16°37	17°23	18°43	3°12	n.a.	T 15
W16	13 16 2	20°21'25	13°13	27°26	7°56	8°24	28°39	11°38	7°37	2°10	16°38	17°19	18°40	3°19	n.a.	W16
T 17	13 19 59	21°19'00	25°28	27°56	9° 3	8°19	28°42	11°45	7°40	2°12	16°39	17°16	18°37	3°26	n.a.	T 17
F 18	13 23 55	22°16'33	7♏33	28°30	10°11	8°14	28°46	11°53	7°43	2°14	16°40	17°15	18°33	3°32	n.a.	F 18
S 19	13 27 52	23°14'05	19°30	29° 8	11°18	8°11	28°49	12° 1	7°47	2°17	16°40	17°D14	18°30	3°39	n.a.	S 19
S 20	13 31 48	24°11'36	1♐21	29°50	12°26	8° 8	28°53	12° 9	7°50	2°19	16°41	17°15	18°27	3°46	n.a.	S 20
M21	13 35 45	25° 9'06	13° 9	0♈35	13°34	8° 6	28°56	12°16	7°53	2°21	16°42	17°16	18°24	3°52	n.a.	M21
T 22	13 39 42	26° 6'34	24°58	1°24	14°42	8° 5	29° 0	12°24	7°57	2°23	16°43	17°18	18°21	3°59	n.a.	T 22
W23	13 43 38	27° 4'02	6♑52	2°17	15°50	8°D 5	29° 4	12°32	8° 0	2°26	16°43	17°19	18°18	4° 6	n.a.	W23
T 24	13 47 35	28° 1'29	18°56	3°13	16°58	8° 5	29° 9	12°39	8° 3	2°28	16°44	17°20	18°14	4°12	n.a.	T 24
F 25	13 51 31	28°58'55	1♒13	4°12	18° 7	8° 6	29°13	12°47	8° 7	2°30	16°45	17°R21	18°11	4°19	n.a.	F 25
S 26	13 55 28	29°56'20	13°50	5°15	19°15	8° 8	29°18	12°55	8°10	2°32	16°45	17°20	18° 8	4°25	n.a.	S 26
S 27	13 59 24	0♉53'44	26°49	6°21	20°24	8°11	29°22	13° 2	8°13	2°35	16°46	17°19	18° 5	4°32	n.a.	S 27
M28	14 3 21	1°51'08	10♓14	7°29	21°32	8°15	29°27	13°10	8°16	2°37	16°46	17°17	18° 2	4°39	n.a.	M28
T 29	14 7 17	2°48'30	24° 4	8°41	22°41	8°19	29°32	13°18	8°20	2°39	16°47	17°15	17°58	4°45	n.a.	T 29
W30	14 11 14	3♉45'52	8♈20	9♈56	23♓50	8♍24	29♋37	13♈25	8♈23	2♉41	16♒48	17♉14	17♉55	4♐52	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n23	9s49	4s33	0s 3	0n29	15s 0	0s27	9n59	2n46	22n 0	1n15	1n47	2s17	2n 9	0s36	10n28	1s51	29s50	14s27	17n23	17n49	21s49		n.a.
W 2	2 46	3 28	3 49	0 32	0 13	14 43	0 31	10 3	2 43	22 0	1 14	1 50	2 17	2 11	0 36	10 29	1 51	29 50	14 28	17 21	17 48	21 52		n.a.
T 3	3 9	3n12	2 50	0 59	0s 4	14 25	0 36	10 6	2 40	21 59	1 14	1 53	2 17	2 12	0 36	10 29	1 51	29 50	14 28	17 20	17 47	21 54		n.a.
F 4	3 32	9 47	1 39	1 25	0 21	14 7	0 40	10 10	2 37	21 59	1 14	1 56	2 17	2 14	0 36	10 30	1 51	29 50	14 28	17 19	17 47	21 56		n.a.
S 5	3 55	15 52	0 21	1 49	0 37	13 48	0 44	10 12	2 34	21 59	1 14	1 59	2 17	2 15	0 36	10 31	1 51	29 50	14 28	17 19	17 46	21 58		n.a.
S 6	4 18	21 2	0n59	2 11	0 52	13 29	0 47	10 15	2 31	21 58	1 14	2 2	2 17	2 16	0 36	10 32	1 51	29 50	14 29	17 19	17 45	22 0		n.a.
M 7	4 41	24 51	2 14	2 31	1 7	13 9	0 51	10 17	2 28	21 58	1 14	2 5	2 17	2 18	0 36	10 32	1 51	29 49	14 29	17 19	17 44	22 3		n.a.
T 8	5 4	27 3	3 19	2 49	1 21	12 49	0 55	10 19	2 25	21 57	1 14	2 8	2 17	2 19	0 36	10 33	1 51	29 49	14 29	17 20	17 43	22 5		n.a.
W 9	5 27	27 26	4 12	3 3	1 35	12 29	0 58	10 21	2 22	21 57	1 13	2 12	2 17	2 20	0 36	10 34	1 50	29 49	14 30	17 20	17 42	22 7		n.a.
T 10	5 49	26 6	4 49	3 16	1 48	12 8	1 2	10 22	2 19	21 56	1 13	2 15	2 17	2 22	0 36	10 35	1 50	29 49	14 30	17 20	17 41	22 9		n.a.
F 11	6 12	23 15	5 9	3 25	1 59	11 47	1 5	10 23	2 16	21 56	1 13	2 18	2 17	2 23	0 36	10 35	1 50	29 49	14 30	17 19	17 40	22 11		n.a.
S 12	6 34	19 13	5 11	3 32	2 10	11 26	1 8	10 24	2 13	21 55	1 13	2 21	2 17	2 25	0 36	10 36	1 50	29 49	14 31	17 18	17 40	22 14		n.a.
S 13	6 57	14 19	4 58	3 36	2 20	11 4	1 12	10 24	2 10	21 55	1 13	2 24	2 17	2 26	0 36	10 37	1 50	29 49	14 31	17 17	17 39	22 16		n.a.
M14	7 19	8 53	4 29	3 38	2 30	10 42	1 15	10 25	2 7	21 54	1 13	2 27	2 17	2 27	0 36	10 38	1 50	29 49	14 31	17 16	17 38	22 18		n.a.
T 15	7 41	3 10	3 48	3 37	2 38	10 19	1 18	10 24	2 4	21 53	1 13	2 30	2 17	2 29	0 36	10 39	1 50	29 49	14 32	17 14	17 37	22 20		n.a.
W16	8 3	2s35	2 56	3 33	2 45	9 57	1 20	10 24	2 1	21 53	1 12	2 33	2 17	2 30	0 36	10 39	1 50	29 49	14 32	17 13	17 36	22 22		n.a.
T 17	8 25	8 10	1 57	3 27	2 52	9 34	1 23	10 23	1 58	21 52	1 12	2 36	2 17	2 31	0 36	10 40	1 50	29 49	14 32	17 12	17 35	22 24		n.a.
F 18	8 47	13 22	0 53	3 19	2 57	9 10	1 26	10 22	1 55	21 51	1 12	2 39	2 17	2 33	0 36	10 41	1 50	29 50	14 33	17 12	17 34	22 26		n.a.
S 19	9 8	18 2	0s12	3 8	3 2	8 47	1 28	10 20	1 52	21 50	1 12	2 42	2 17	2 34	0 36	10 42	1 50	29 50	14 33	17 12	17 33	22 29		n.a.
S 20	9 30	21 57	1 17	2 54	3 6	8 23	1 31	10 19	1 49	21 49	1 12	2 45	2 17	2 35	0 36	10 42	1 50	29 50	14 33	17 12	17 32	22 31		n.a.
M21	9 51	24 57	2 18	2 39	3 9	7 58	1 33	10 17	1 46	21 48	1 12	2 48	2 17	2 37	0 36	10 43	1 50	29 50	14 34	17 12	17 32	22 33		n.a.
T 22	10 12	26 52	3 13	2 21	3 11	7 34	1 35	10 14	1 44	21 47	1 12	2 51	2 18	2 38	0 36	10 44	1 50	29 50	14 34	17 13	17 31	22 35		n.a.
W23	10 34	27 34	4 1	2 1	3 13	7 9	1 37	10 12	1 41	21 46	1 11	2 54	2 18	2 39	0 36	10 45	1 50	29 50	14 34	17 13	17 30	22 37		n.a.
T 24	10 54	26 59	4 38	1 40	3 14	6 44	1 40	10 9	1 38	21 45	1 11	2 57	2 18	2 41	0 36	10 46	1 50	29 50	14 35	17 14	17 29	22 39		n.a.
F 25	11 15	25 5	5 4	1 16	3 13	6 19	1 41	10 6	1 35	21 44	1 11	3 0	2 18	2 42	0 36	10 46	1 50	29 50	14 35	17 14	17 28	22 41		n.a.
S 26	11 36	21 55	5 16	0 50	3 13	5 53	1 43	10 3	1 32	21 43	1 11	3 3	2 18	2 43	0 36	10 47	1 50	29 50	14 35	17 13	17 27	22 43		n.a.
S 27	11 56	17 36	5 12	0 22	3 11	5 28	1 45	9 59	1 29	21 42	1 11	3 6	2 18	2 45	0 36	10 48	1 50	29 50	14 36	17 13	17 26	22 45		n.a.
M28	12 16	12 19	4 51	0n 7	3 9	5 2	1 47	9 55	1 26	21 41	1 11	3 9	2 18	2 46	0 36	10 49	1 50	29 51	14 36	17 13	17 25	22 47		n.a.
T 29	12 36	6 15	4 13	0 39	3 6	4 36	1 48	9 51	1 24	21 40	1 11	3 12	2 18	2 47	0 36	10 50	1 50	29 51	14 36	17 12	17 24	22 50		n.a.
W30	12n56	0n18	3s19	1n12	3s 2	4s 9	1s50	9n46	1n21	21n38	1n10	3n15	2s18	2n48	0s36	10n50	1s50	29s51	14s37	17n12	17n23	22s52		n.a.

Julian Day Number = 1569204.5, Delta T = 04h18m52s
Ecliptic obliquity = 23°44'51, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'39, Lahiri = - 9°42'39 Julian Calendar 1 Apr. 417 BCE == Greg. Calendar 27 March 417 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

MAY 417 BCE (-416) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 15 11	4♉43'13	22♈58	11♈13	24♓59	8♍30	29♋43	13♈33	8♈26	2♉44	16♒48	17°R12	17♉52	4♐59	n.a.	T 1
F 2	14 19 7	5°40'33	7♉50	12°34	26° 8	8°36	29°48	13°40	8°29	2°46	16°49	17♉12	17°49	5° 5	n.a.	F 2
S 3	14 23 4	6°37'52	22°51	13°57	27°17	8°43	29°54	13°48	8°32	2°48	16°49	17°D12	17°46	5°12	n.a.	S 3
S 4	14 27 0	7°35'11	7♊51	15°23	28°26	8°51	29°59	13°55	8°35	2°50	16°50	17°12	17°43	5°19	n.a.	S 4
M 5	14 30 57	8°32'28	22°42	16°51	29°35	9° 0	0♌ 5	14° 2	8°38	2°53	16°50	17°13	17°39	5°25	n.a.	M 5
T 6	14 34 53	9°29'45	7♋18	18°23	0♈44	9° 9	0°12	14°10	8°42	2°55	16°50	17°13	17°36	5°32	n.a.	T 6
W 7	14 38 50	10°27'00	21°35	19°57	1°53	9°19	0°18	14°17	8°45	2°57	16°51	17°14	17°33	5°39	n.a.	W 7
T 8	14 42 46	11°24'15	5♌30	21°34	3° 3	9°30	0°24	14°25	8°48	2°59	16°51	17°R14	17°30	5°45	n.a.	T 8
F 9	14 46 43	12°21'28	19° 3	23°13	4°12	9°41	0°31	14°32	8°51	3° 1	16°51	17°14	17°27	5°52	n.a.	F 9
S 10	14 50 40	13°18'40	2♍15	24°55	5°22	9°53	0°37	14°39	8°54	3° 4	16°52	17°14	17°24	5°59	n.a.	S 10
S 11	14 54 36	14°15'51	15° 8	26°40	6°31	10° 6	0°44	14°46	8°57	3° 6	16°52	17°14	17°20	6° 5	n.a.	S 11
M12	14 58 33	15°13'02	27°45	28°27	7°41	10°19	0°51	14°53	9° 0	3° 8	16°52	17°13	17°17	6°12	n.a.	M12
T 13	15 2 29	16°10'11	10♎ 8	0♉17	8°51	10°32	0°58	15° 1	9° 2	3°10	16°52	17°13	17°14	6°19	n.a.	T 13
W14	15 6 26	17° 7'20	22°20	2°10	10° 0	10°47	1° 5	15° 8	9° 5	3°12	16°53	17°D13	17°11	6°25	n.a.	W14
T 15	15 10 22	18° 4'28	4♏22	4° 5	11°10	11° 2	1°12	15°15	9° 8	3°15	16°53	17°13	17° 8	6°32	n.a.	T 15
F 16	15 14 19	19° 1'36	16°18	6° 2	12°20	11°17	1°20	15°22	9°11	3°17	16°53	17°R13	17° 4	6°39	n.a.	F 16
S 17	15 18 15	19°58'44	28° 9	8° 1	13°30	11°33	1°27	15°29	9°14	3°19	16°53	17°13	17° 1	6°45	n.a.	S 17
S 18	15 22 12	20°55'51	9♐57	10° 3	14°40	11°50	1°35	15°36	9°17	3°21	16°53	17°13	16°58	6°52	n.a.	S 18
M19	15 26 9	21°52'57	21°46	12° 6	15°50	12° 7	1°43	15°42	9°19	3°23	16°53	17°12	16°55	6°58	n.a.	M19
T 20	15 30 5	22°50'04	3♑37	14°12	17° 1	12°24	1°50	15°49	9°22	3°26	16°54	17°12	16°52	7° 5	n.a.	T 20
W21	15 34 2	23°47'10	15°34	16°18	18°11	12°42	1°58	15°56	9°25	3°28	16°54	17°11	16°49	7°12	n.a.	W21
T 22	15 37 58	24°44'17	27°40	18°27	19°21	13° 1	2° 7	16° 3	9°27	3°30	16°54	17°10	16°45	7°18	n.a.	T 22
F 23	15 41 55	25°41'23	9♒58	20°36	20°32	13°20	2°15	16°10	9°30	3°32	16°R54	17° 9	16°42	7°25	n.a.	F 23
S 24	15 45 51	26°38'30	22°33	22°46	21°42	13°40	2°23	16°16	9°33	3°34	16°54	17°D 9	16°39	7°32	n.a.	S 24
S 25	15 49 48	27°35'36	5♓28	24°57	22°53	14° 0	2°32	16°23	9°35	3°36	16°54	17° 9	16°36	7°38	n.a.	S 25
M26	15 53 45	28°32'42	18°47	27° 7	24° 3	14°20	2°40	16°29	9°38	3°38	16°53	17°10	16°33	7°45	n.a.	M26
T 27	15 57 41	29°29'49	2♈31	29°18	25°14	14°41	2°49	16°36	9°40	3°40	16°53	17°11	16°30	7°52	n.a.	T 27
W28	16 1 38	0♊26'56	16°41	1♊29	26°24	15° 3	2°58	16°42	9°43	3°42	16°53	17°12	16°26	7°58	n.a.	W28
T 29	16 5 34	1°24'03	1♉16	3°39	27°35	15°25	3° 7	16°49	9°45	3°44	16°53	17°12	16°23	8° 5	n.a.	T 29
F 30	16 9 31	2°21'10	16°10	5°48	28°46	15°47	3°16	16°55	9°48	3°46	16°53	17°R13	16°20	8°12	n.a.	F 30
S 31	16 13 27	3♊18'18	1♊18	7♊56	29♈57	16♍10	3♌25	17♈ 1	9♈50	3♉48	16♒53	17♉12	16♉17	8♐18	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	13n16	7n 1	2s10	1n46	2s58	3s43	1s51	9n42	1n18	21n37	1n10	3n18	2s18	2n50	0s37	10n51	1s50	29s51	14s37	17n11	17n23	22s54			n.a.
F 2	13 35	13 29	0 52	2 22	2 53	3 16	1 52	9 37	1 16	21 36	1 10	3 21	2 18	2 51	0 37	10 52	1 50	29 51	14 37	17 11	17 22	22 56			n.a.
S 3	13 54	19 14	0n31	3 0	2 48	2 50	1 53	9 32	1 13	21 34	1 10	3 24	2 18	2 52	0 37	10 53	1 50	29 51	14 38	17 11	17 21	22 58			n.a.
S 4	14 13	23 45	1 52	3 39	2 42	2 23	1 54	9 26	1 10	21 33	1 10	3 26	2 18	2 53	0 37	10 53	1 50	29 52	14 38	17 11	17 20	23 0			n.a.
M 5	14 32	26 37	3 5	4 19	2 35	1 56	1 55	9 21	1 8	21 32	1 10	3 29	2 18	2 55	0 37	10 54	1 50	29 52	14 39	17 11	17 19	23 2			n.a.
T 6	14 50	27 36	4 4	5 1	2 28	1 29	1 56	9 15	1 5	21 30	1 10	3 32	2 18	2 56	0 37	10 55	1 50	29 52	14 39	17 12	17 18	23 4			n.a.
W 7	15 9	26 42	4 46	5 44	2 20	1 1	1 57	9 8	1 3	21 29	1 10	3 35	2 18	2 57	0 37	10 56	1 50	29 52	14 39	17 12	17 17	23 6			n.a.
T 8	15 27	24 9	5 11	6 28	2 12	0 34	1 58	9 2	1 0	21 27	1 9	3 38	2 18	2 58	0 37	10 56	1 50	29 52	14 40	17 12	17 16	23 8			n.a.
F 9	15 45	20 19	5 17	7 14	2 3	0 7	1 58	8 56	0 58	21 26	1 9	3 40	2 19	2 59	0 37	10 57	1 50	29 53	14 40	17 12	17 15	23 10			n.a.
S 10	16 2	15 34	5 7	8 0	1 54	0n21	1 59	8 49	0 55	21 24	1 9	3 43	2 19	3 1	0 37	10 58	1 50	29 53	14 40	17 12	17 14	23 12			n.a.
S 11	16 19	10 14	4 41	8 47	1 45	0 48	1 59	8 42	0 53	21 22	1 9	3 46	2 19	3 2	0 37	10 59	1 50	29 53	14 41	17 12	17 14	23 14			n.a.
M12	16 37	4 35	4 2	9 35	1 35	1 16	1 59	8 34	0 50	21 21	1 9	3 49	2 19	3 3	0 37	10 59	1 50	29 53	14 41	17 12	17 13	23 16			n.a.
T 13	16 53	1s 8	3 12	10 24	1 25	1 43	1 59	8 27	0 48	21 19	1 9	3 51	2 19	3 4	0 37	11 0	1 50	29 54	14 41	17 11	17 12	23 18			n.a.
W14	17 10	6 44	2 14	11 13	1 15	2 11	1 59	8 19	0 46	21 17	1 9	3 54	2 19	3 5	0 37	11 1	1 50	29 54	14 42	17 11	17 11	23 20			n.a.
T 15	17 26	12 2	1 11	12 2	1 4	2 39	2 0	8 12	0 43	21 16	1 9	3 57	2 19	3 6	0 37	11 2	1 50	29 54	14 42	17 11	17 10	23 22			n.a.
F 16	17 42	16 51	0 5	12 52	0 53	3 6	1 59	8 3	0 41	21 14	1 8	3 59	2 19	3 7	0 37	11 2	1 50	29 55	14 43	17 11	17 9	23 24			n.a.
S 17	17 58	20 59	1s 0	13 42	0 42	3 34	1 59	7 55	0 39	21 12	1 8	4 2	2 19	3 9	0 37	11 3	1 50	29 55	14 43	17 11	17 8	23 26			n.a.
S 18	18 13	24 15	2 3	14 32	0 31	4 2	1 59	7 47	0 37	21 10	1 8	4 4	2 20	3 10	0 37	11 4	1 50	29 55	14 43	17 11	17 7	23 28			n.a.
M19	18 28	26 29	3 0	15 21	0 20	4 29	1 59	7 38	0 35	21 8	1 8	4 7	2 20	3 11	0 37	11 5	1 50	29 56	14 44	17 11	17 6	23 30			n.a.
T 20	18 43	27 32	3 50	16 10	0 9	4 57	1 58	7 29	0 32	21 6	1 8	4 9	2 20	3 12	0 37	11 5	1 50	29 56	14 44	17 11	17 5	23 32			n.a.
W21	18 58	27 18	4 30	16 58	0n 2	5 24	1 58	7 20	0 30	21 5	1 8	4 12	2 20	3 13	0 37	11 6	1 50	29 56	14 44	17 11	17 4	23 34			n.a.
T 22	19 12	25 46	4 59	17 45	0 13	5 52	1 57	7 11	0 28	21 3	1 8	4 14	2 20	3 14	0 37	11 7	1 50	29 57	14 45	17 11	17 4	23 36			n.a.
F 23	19 26	23 1	5 15	18 30	0 23	6 19	1 57	7 2	0 26	21 1	1 8	4 17	2 20	3 15	0 37	11 7	1 50	29 57	14 45	17 10	17 3	23 38			n.a.
S 24	19 39	19 8	5 16	19 15	0 34	6 47	1 56	6 52	0 24	20 59	1 8	4 19	2 20	3 16	0 37	11 8	1 50	29 57	14 46	17 10	17 2	23 40			n.a.
S 25	19 53	14 17	5 1	19 57	0 43	7 14	1 55	6 43	0 22	20 57	1 7	4 22	2 20	3 17	0 37	11 9	1 50	29 58	14 46	17 10	17 1	23 41			n.a.
M26	20 6	8 38	4 30	20 37	0 53	7 41	1 54	6 33	0 20	20 54	1 7	4 24	2 21	3 18	0 37	11 10	1 50	29 58	14 46	17 10	17 0	23 43			n.a.
T 27	20 18	2 24	3 43	21 15	1 1	8 8	1 53	6 23	0 18	20 52	1 7	4 27	2 21	3 19	0 37	11 10	1 50	29 58	14 47	17 11	16 59	23 45			n.a.
W28	20 30	4n10	2 41	21 51	1 10	8 35	1 52	6 13	0 16	20 50	1 7	4 29	2 21	3 20	0 37	11 11	1 51	29 59	14 47	17 11	16 58	23 47			n.a.
T 29	20 42	10 42	1 27	22 25	1 17	9 1	1 51	6 2	0 14	20 48	1 7	4 31	2 21	3 21	0 37	11 12	1 51	29 59	14 47	17 11	16 57	23 49			n.a.
F 30	20 54	16 48	0 6	22 56	1 24	9 28	1 50	5 52	0 12	20 46	1 7	4 34	2 21	3 22	0 37	11 12	1 51	29 59	14 48	17 11	16 56	23 51			n.a.
S 31	21n 5	21n57	1n17	23n24	1n30	9n54	1s48	5n41	0n10	20n43	1n 7	4n36	2s21	3n23	0s37	11n13	1s51	30s 0	14s48	17n11	16n55	23s53			n.a.

Julian Day Number = 1569234.5, Delta T = 04h18m50s
Ecliptic obliquity = 23°44'51, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'35, Lahiri = - 9°42'35 Julian Calendar 1 May 417 BCE == Greg. Calendar 26 Apr. 417 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

JUNE 417 BCE (-416) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 17 24	4♊15'25	16♊30	10♊ 3	1♉ 8	16♍33	3♌34	17♈ 7	9♈52	3♉50	16°R53	17°R11	16♉14	8♐25	n.a.	S 1
M 2	16 21 20	5°12'33	1♋36	12° 9	2°19	16°57	3°43	17°14	9°55	3°52	16♒52	17♉ 9	16°10	8°32	n.a.	M 2
T 3	16 25 17	6° 9'40	16°28	14°13	3°30	17°21	3°53	17°20	9°57	3°54	16°52	17° 7	16° 7	8°38	n.a.	T 3
W 4	16 29 14	7° 6'48	0♌58	16°16	4°41	17°45	4° 2	17°26	9°59	3°56	16°52	17° 5	16° 4	8°45	n.a.	W 4
T 5	16 33 10	8° 3'55	15° 3	18°17	5°52	18°10	4°12	17°32	10° 1	3°58	16°52	17° 3	16° 1	8°52	n.a.	T 5
F 6	16 37 7	9° 1'03	28°42	20°16	7° 3	18°35	4°22	17°38	10° 3	4° 0	16°51	17° 1	15°58	8°58	n.a.	F 6
S 7	16 41 3	9°58'10	11♍54	22°14	8°14	19° 1	4°31	17°43	10° 5	4° 2	16°51	17°D 1	15°55	9° 5	n.a.	S 7
S 8	16 45 0	10°55'17	24°42	24° 9	9°25	19°27	4°41	17°49	10° 8	4° 4	16°51	17° 2	15°51	9°12	n.a.	S 8
M 9	16 48 56	11°52'24	7♎11	26° 3	10°37	19°53	4°51	17°55	10°10	4° 6	16°50	17° 3	15°48	9°18	n.a.	M 9
T 10	16 52 53	12°49'32	19°25	27°55	11°48	20°19	5° 1	18° 1	10°12	4° 8	16°50	17° 5	15°45	9°25	n.a.	T 10
W11	16 56 49	13°46'39	1♏27	29°45	13° 0	20°46	5°11	18° 6	10°13	4°10	16°49	17° 6	15°42	9°32	n.a.	W11
T 12	17 0 46	14°43'47	13°21	1♋33	14°11	21°14	5°22	18°12	10°15	4°11	16°49	17°R 7	15°39	9°38	n.a.	T 12
F 13	17 4 43	15°40'55	25°11	3°19	15°23	21°41	5°32	18°17	10°17	4°13	16°48	17° 7	15°36	9°45	n.a.	F 13
S 14	17 8 39	16°38'04	6♐59	5° 4	16°34	22° 9	5°42	18°23	10°19	4°15	16°48	17° 5	15°32	9°52	n.a.	S 14
S 15	17 12 36	17°35'13	18°48	6°46	17°46	22°38	5°53	18°28	10°21	4°17	16°47	17° 2	15°29	9°58	n.a.	S 15
M16	17 16 32	18°32'23	0♑40	8°27	18°57	23° 6	6° 4	18°33	10°23	4°18	16°47	16°58	15°26	10° 5	n.a.	M16
T 17	17 20 29	19°29'34	12°37	10° 6	20° 9	23°35	6°14	18°38	10°24	4°20	16°46	16°52	15°23	10°12	n.a.	T 17
W18	17 24 25	20°26'45	24°41	11°42	21°21	24° 4	6°25	18°43	10°26	4°22	16°46	16°47	15°20	10°18	n.a.	W18
T 19	17 28 22	21°23'57	6♒54	13°17	22°33	24°34	6°36	18°48	10°28	4°23	16°45	16°41	15°16	10°25	n.a.	T 19
F 20	17 32 19	22°21'10	19°18	14°50	23°45	25° 4	6°47	18°53	10°29	4°25	16°45	16°36	15°13	10°32	n.a.	F 20
S 21	17 36 15	23°18'23	1♓55	16°22	24°57	25°34	6°58	18°58	10°31	4°27	16°44	16°33	15°10	10°38	n.a.	S 21
S 22	17 40 12	24°15'38	14°50	17°51	26° 9	26° 4	7° 9	19° 3	10°32	4°28	16°43	16°31	15° 7	10°45	n.a.	S 22
M23	17 44 8	25°12'54	28° 3	19°18	27°21	26°35	7°20	19° 7	10°34	4°30	16°43	16°D30	15° 4	10°52	n.a.	M23
T 24	17 48 5	26°10'11	11♈39	20°44	28°33	27° 5	7°31	19°12	10°35	4°31	16°42	16°31	15° 1	10°58	n.a.	T 24
W25	17 52 1	27° 7'29	25°38	22° 7	29°45	27°37	7°42	19°17	10°36	4°33	16°41	16°32	14°57	11° 5	n.a.	W25
T 26	17 55 58	28° 4'48	10♉ 0	23°28	0♊57	28° 8	7°53	19°21	10°38	4°34	16°40	16°R33	14°54	11°12	n.a.	T 26
F 27	17 59 54	29° 2'08	24°44	24°48	2° 9	28°40	8° 5	19°25	10°39	4°36	16°40	16°33	14°51	11°18	n.a.	F 27
S 28	18 3 51	29°59'30	9♊44	26° 5	3°22	29°12	8°16	19°30	10°40	4°37	16°39	16°32	14°48	11°25	n.a.	S 28
S 29	18 7 48	0♋56'53	24°52	27°20	4°34	29°44	8°28	19°34	10°41	4°39	16°38	16°28	14°45	11°31	n.a.	S 29
M30	18 11 44	1♋54'16	10♋ 1	28♋33	5♊46	0♎16	8♌39	19♈38	10♈42	4♉40	16♒37	16♉22	14♉42	11♐38	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n16	25n37	2n35	23n50	1n36	10n21	1s47	5n30	0n 9	20n41	1n 7	4n38	2s21	3n24	0s37	11n14	1s51	30s 0	14s48	17n11	16n54	23s55		n.a.
M 2	21 27	27 26	3 41	24 12	1 41	10 47	1 46	5 19	0 7	20 39	1 7	4 40	2 22	3 25	0 37	11 14	1 51	30 1	14 49	17 10	16 53	23 57		n.a.
T 3	21 37	27 13	4 32	24 32	1 45	11 13	1 44	5 8	0 5	20 37	1 7	4 43	2 22	3 25	0 37	11 15	1 51	30 1	14 49	17 10	16 52	23 59		n.a.
W 4	21 47	25 7	5 3	24 50	1 49	11 38	1 43	4 57	0 3	20 34	1 6	4 45	2 22	3 26	0 37	11 16	1 51	30 2	14 50	17 9	16 52	24 0		n.a.
T 5	21 56	21 32	5 15	25 4	1 51	12 3	1 41	4 46	0 2	20 32	1 6	4 47	2 22	3 27	0 37	11 16	1 51	30 2	14 50	17 8	16 51	24 2		n.a.
F 6	22 5	16 53	5 9	25 16	1 53	12 29	1 39	4 34	0s 0	20 29	1 6	4 49	2 22	3 28	0 37	11 17	1 51	30 2	14 50	17 8	16 50	24 4		n.a.
S 7	22 14	11 35	4 46	25 26	1 55	12 53	1 38	4 22	0 2	20 27	1 6	4 51	2 22	3 29	0 37	11 17	1 51	30 3	14 51	17 8	16 49	24 6		n.a.
S 8	22 22	5 57	4 10	25 32	1 56	13 18	1 36	4 11	0 4	20 24	1 6	4 53	2 23	3 30	0 37	11 18	1 51	30 3	14 51	17 8	16 48	24 8		n.a.
M 9	22 30	0 12	3 22	25 37	1 56	13 42	1 34	3 59	0 5	20 22	1 6	4 55	2 23	3 30	0 37	11 19	1 51	30 4	14 51	17 9	16 47	24 10		n.a.
T 10	22 38	5s26	2 27	25 39	1 55	14 6	1 32	3 47	0 7	20 19	1 6	4 57	2 23	3 31	0 37	11 19	1 51	30 4	14 52	17 9	16 46	24 12		n.a.
W11	22 45	10 48	1 25	25 39	1 54	14 30	1 30	3 34	0 8	20 17	1 6	4 59	2 23	3 32	0 37	11 20	1 51	30 5	14 52	17 9	16 45	24 13		n.a.
T 12	22 52	15 43	0 21	25 36	1 52	14 54	1 28	3 22	0 10	20 14	1 6	5 1	2 23	3 33	0 37	11 20	1 51	30 5	14 52	17 10	16 44	24 15		n.a.
F 13	22 58	20 1	0s44	25 32	1 50	15 17	1 26	3 10	0 12	20 11	1 6	5 3	2 24	3 33	0 37	11 21	1 51	30 6	14 53	17 10	16 43	24 17		n.a.
S 14	23 4	23 31	1 47	25 26	1 47	15 40	1 24	2 57	0 13	20 9	1 6	5 5	2 24	3 34	0 37	11 22	1 51	30 6	14 53	17 9	16 42	24 19		n.a.
S 15	23 10	26 0	2 45	25 18	1 43	16 2	1 22	2 44	0 15	20 6	1 6	5 7	2 24	3 35	0 37	11 22	1 51	30 7	14 53	17 8	16 41	24 21		n.a.
M16	23 15	27 21	3 36	25 8	1 39	16 24	1 20	2 31	0 16	20 3	1 6	5 9	2 24	3 35	0 37	11 23	1 51	30 7	14 54	17 7	16 40	24 22		n.a.
T 17	23 20	27 25	4 18	24 56	1 35	16 46	1 18	2 19	0 18	20 1	1 5	5 10	2 24	3 36	0 37	11 23	1 51	30 8	14 54	17 6	16 39	24 24		n.a.
W18	23 24	26 12	4 49	24 43	1 30	17 7	1 16	2 5	0 19	19 58	1 5	5 12	2 25	3 37	0 37	11 24	1 51	30 8	14 54	17 4	16 38	24 26		n.a.
T 19	23 28	23 43	5 7	24 28	1 24	17 28	1 13	1 52	0 21	19 55	1 5	5 14	2 25	3 37	0 37	11 24	1 51	30 8	14 55	17 2	16 38	24 28		n.a.
F 20	23 31	20 8	5 11	24 12	1 18	17 48	1 11	1 39	0 22	19 52	1 5	5 16	2 25	3 38	0 37	11 25	1 51	30 9	14 55	17 1	16 37	24 30		n.a.
S 21	23 35	15 35	5 0	23 55	1 12	18 8	1 9	1 26	0 23	19 49	1 5	5 17	2 25	3 38	0 37	11 25	1 51	30 9	14 55	17 0	16 36	24 31		n.a.
S 22	23 37	10 15	4 34	23 37	1 5	18 28	1 6	1 12	0 25	19 46	1 5	5 19	2 25	3 39	0 37	11 26	1 51	30 10	14 56	16 59	16 35	24 33		n.a.
M23	23 40	4 20	3 53	23 18	0 58	18 47	1 4	0 59	0 26	19 43	1 5	5 20	2 26	3 40	0 37	11 26	1 51	30 11	14 56	16 59	16 34	24 35		n.a.
T 24	23 41	1n56	2 58	22 57	0 50	19 6	1 1	0 45	0 28	19 40	1 5	5 22	2 26	3 40	0 37	11 27	1 51	30 11	14 56	16 59	16 33	24 37		n.a.
W25	23 43	8 18	1 51	22 36	0 42	19 24	0 59	0 31	0 29	19 38	1 5	5 24	2 26	3 41	0 37	11 27	1 51	30 12	14 56	17 0	16 32	24 38		n.a.
T 26	23 44	14 26	0 36	22 14	0 34	19 42	0 56	0 17	0 30	19 34	1 5	5 25	2 26	3 41	0 38	11 28	1 52	30 12	14 57	17 0	16 31	24 40		n.a.
F 27	23 45	19 54	0n44	21 52	0 25	19 59	0 54	0 3	0 32	19 31	1 5	5 26	2 26	3 42	0 38	11 28	1 52	30 13	14 57	17 0	16 30	24 42		n.a.
S 28	23 45	24 12	2 2	21 28	0 16	20 16	0 51	0s11	0 33	19 28	1 5	5 28	2 27	3 42	0 38	11 29	1 52	30 13	14 57	17 0	16 29	24 44		n.a.
S 29	23 45	26 51	3 12	21 5	0 7	20 32	0 49	0 25	0 34	19 25	1 5	5 29	2 27	3 42	0 38	11 29	1 52	30 14	14 58	16 58	16 28	24 45		n.a.
M30	23n44	27n30	4n 9	20n40	0s 3	20n48	0s46	0s39	0s35	19n22	1n 5	5n31	2s27	3n43	0s38	11n29	1s52	30s14	14s58	16n57	16n27	24s47		n.a.

Julian Day Number = 1569265.5, Delta T = 04h18m49s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'31, Lahiri = - 9°42'31 Julian Calendar 1 June 417 BCE == Greg. Calendar 27 May 417 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

JULY 417 BCE (-416) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 15 41	2♋51'41	24♋58	29♋44	6♊59	0♎49	8♌51	19♈42	10♈43	4♉42	16°R37	16°R15	14♉38	11♐45	n.a.	T 1
W 2	18 19 37	3°49'07	9♌37	0♌52	8°11	1°22	9° 2	19°46	10°44	4°43	16♒36	16♉ 8	14°35	11°51	n.a.	W 2
T 3	18 23 34	4°46'34	23°50	1°58	9°24	1°55	9°14	19°50	10°45	4°44	16°35	16° 2	14°32	11°58	n.a.	T 3
F 4	18 27 30	5°44'01	7♍34	3° 1	10°36	2°29	9°26	19°53	10°46	4°46	16°34	15°57	14°29	12° 5	n.a.	F 4
S 5	18 31 27	6°41'29	20°51	4° 1	11°49	3° 2	9°38	19°57	10°47	4°47	16°33	15°54	14°26	12°11	n.a.	S 5
S 6	18 35 24	7°38'58	3♎41	4°59	13° 2	3°36	9°50	20° 1	10°48	4°48	16°32	15°D52	14°22	12°18	n.a.	S 6
M 7	18 39 20	8°36'28	16° 8	5°54	14°14	4°10	10° 2	20° 4	10°49	4°49	16°31	15°52	14°19	12°25	n.a.	M 7
T 8	18 43 17	9°33'59	28°19	6°46	15°27	4°45	10°14	20° 7	10°49	4°51	16°30	15°53	14°16	12°31	n.a.	T 8
W 9	18 47 13	10°31'32	10♏17	7°35	16°40	5°19	10°26	20°11	10°50	4°52	16°29	15°R54	14°13	12°38	n.a.	W 9
T 10	18 51 10	11°29'05	22° 7	8°20	17°53	5°54	10°38	20°14	10°51	4°53	16°28	15°54	14°10	12°45	n.a.	T 10
F 11	18 55 6	12°26'39	3♐55	9° 2	19° 6	6°29	10°50	20°17	10°51	4°54	16°27	15°52	14° 7	12°51	n.a.	F 11
S 12	18 59 3	13°24'15	15°44	9°40	20°19	7° 4	11° 2	20°20	10°52	4°55	16°26	15°48	14° 3	12°58	n.a.	S 12
S 13	19 2 59	14°21'52	27°36	10°14	21°32	7°39	11°14	20°23	10°52	4°56	16°25	15°42	14° 0	13° 5	n.a.	S 13
M14	19 6 56	15°19'30	9♑35	10°43	22°45	8°15	11°27	20°26	10°53	4°57	16°24	15°33	13°57	13°11	n.a.	M14
T 15	19 10 53	16°17'09	21°41	11° 9	23°58	8°51	11°39	20°28	10°53	4°58	16°23	15°23	13°54	13°18	n.a.	T 15
W16	19 14 49	17°14'50	3♒57	11°30	25°11	9°27	11°51	20°31	10°54	4°59	16°22	15°12	13°51	13°25	n.a.	W16
T 17	19 18 46	18°12'33	16°23	11°46	26°24	10° 3	12° 4	20°33	10°54	5° 0	16°21	15° 1	13°48	13°31	n.a.	T 17
F 18	19 22 42	19°10'17	28°59	11°57	27°38	10°39	12°16	20°36	10°54	5° 1	16°20	14°51	13°44	13°38	n.a.	F 18
S 19	19 26 39	20° 8'03	11♓47	12° 3	28°51	11°16	12°29	20°38	10°54	5° 2	16°19	14°43	13°41	13°45	n.a.	S 19
S 20	19 30 35	21° 5'51	24°48	12°R 3	0♋ 4	11°52	12°41	20°40	10°54	5° 2	16°18	14°38	13°38	13°51	n.a.	S 20
M21	19 34 32	22° 3'40	8♈ 4	11°57	1°18	12°29	12°54	20°42	10°54	5° 3	16°17	14°35	13°35	13°58	n.a.	M21
T 22	19 38 28	23° 1'31	21°36	11°46	2°31	13° 6	13° 6	20°44	10°R54	5° 4	16°16	14°D34	13°32	14° 5	n.a.	T 22
W23	19 42 25	23°59'25	5♉26	11°29	3°44	13°43	13°19	20°46	10°54	5° 5	16°15	14°34	13°28	14°11	n.a.	W23
T 24	19 46 22	24°57'20	19°34	11° 6	4°58	14°21	13°31	20°48	10°54	5° 6	16°14	14°R34	13°25	14°18	n.a.	T 24
F 25	19 50 18	25°55'17	4♊ 1	10°37	6°12	14°58	13°44	20°50	10°54	5° 6	16°12	14°33	13°22	14°25	n.a.	F 25
S 26	19 54 15	26°53'17	18°43	10° 2	7°25	15°36	13°57	20°51	10°54	5° 7	16°11	14°30	13°19	14°31	n.a.	S 26
S 27	19 58 11	27°51'18	3♋35	9°23	8°39	16°14	14°10	20°53	10°54	5° 7	16°10	14°23	13°16	14°38	n.a.	S 27
M28	20 2 8	28°49'21	18°29	8°38	9°53	16°52	14°22	20°54	10°54	5° 8	16° 9	14°15	13°13	14°45	n.a.	M28
T 29	20 6 4	29°47'26	3♌18	7°49	11° 6	17°30	14°35	20°55	10°53	5° 9	16° 8	14° 4	13° 9	14°51	n.a.	T 29
W30	20 10 1	0♌45'33	17°52	6°56	12°20	18° 9	14°48	20°56	10°53	5° 9	16° 7	13°53	13° 6	14°58	n.a.	W30
T 31	20 13 57	1♌43'41	2♍ 4	6♌ 0	13♋34	18♎47	15♌ 1	20♈57	10♈53	5♉10	16♒ 5	13♉42	13♉ 3	15♐ 5	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n43	26n 7	4n47	20n16	0s13	21n 3	0s43	0s53	0s37	19n19	1n 5	5n32	2s27	3n43	0s38	11n30	1s52	30s15	14s58	16n55	16n26	24s49			n.a.
W 2	23 41	22 59	5 6	19 51	0 23	21 17	0 41	1 8	0 38	19 16	1 5	5 33	2 28	3 44	0 38	11 30	1 52	30 15	14 58	16 53	16 25	24 50			n.a.
T 3	23 40	18 32	5 5	19 26	0 33	21 31	0 38	1 22	0 39	19 13	1 5	5 34	2 28	3 44	0 38	11 31	1 52	30 16	14 59	16 51	16 24	24 52			n.a.
F 4	23 37	13 15	4 47	19 1	0 44	21 45	0 35	1 37	0 40	19 9	1 5	5 36	2 28	3 44	0 38	11 31	1 52	30 16	14 59	16 49	16 23	24 54			n.a.
S 5	23 35	7 32	4 13	18 36	0 55	21 57	0 33	1 51	0 41	19 6	1 5	5 37	2 28	3 45	0 38	11 31	1 52	30 17	14 59	16 48	16 22	24 56			n.a.
S 6	23 31	1 41	3 27	18 12	1 6	22 10	0 30	2 6	0 42	19 3	1 4	5 38	2 28	3 45	0 38	11 32	1 52	30 17	14 59	16 48	16 21	24 57			n.a.
M 7	23 28	4s 4	2 33	17 47	1 17	22 21	0 27	2 21	0 44	19 0	1 4	5 39	2 29	3 45	0 38	11 32	1 52	30 18	15 0	16 48	16 20	24 59			n.a.
T 8	23 24	9 34	1 33	17 23	1 29	22 32	0 25	2 35	0 45	18 56	1 4	5 40	2 29	3 46	0 38	11 33	1 52	30 18	15 0	16 48	16 20	25 1			n.a.
W 9	23 19	14 37	0 30	17 0	1 40	22 42	0 22	2 50	0 46	18 53	1 4	5 41	2 29	3 46	0 38	11 33	1 52	30 19	15 0	16 49	16 19	25 2			n.a.
T 10	23 15	19 4	0s33	16 37	1 52	22 52	0 19	3 5	0 47	18 50	1 4	5 42	2 29	3 46	0 38	11 33	1 52	30 19	15 0	16 49	16 18	25 4			n.a.
F 11	23 9	22 46	1 35	16 14	2 4	23 1	0 17	3 20	0 48	18 46	1 4	5 43	2 30	3 46	0 38	11 34	1 52	30 20	15 1	16 48	16 17	25 5			n.a.
S 12	23 4	25 30	2 33	15 53	2 16	23 10	0 14	3 35	0 49	18 43	1 4	5 44	2 30	3 46	0 38	11 34	1 52	30 21	15 1	16 47	16 16	25 7			n.a.
S 13	22 58	27 7	3 24	15 32	2 27	23 17	0 11	3 50	0 50	18 39	1 4	5 45	2 30	3 47	0 38	11 34	1 52	30 21	15 1	16 45	16 15	25 9			n.a.
M14	22 51	27 29	4 6	15 13	2 39	23 24	0 8	4 6	0 51	18 36	1 4	5 46	2 30	3 47	0 38	11 34	1 52	30 22	15 1	16 42	16 14	25 10			n.a.
T 15	22 44	26 33	4 38	14 55	2 51	23 31	0 6	4 21	0 52	18 32	1 4	5 46	2 31	3 47	0 38	11 35	1 53	30 22	15 2	16 39	16 13	25 12			n.a.
W16	22 37	24 20	4 57	14 38	3 2	23 36	0 3	4 36	0 53	18 29	1 4	5 47	2 31	3 47	0 38	11 35	1 53	30 23	15 2	16 36	16 12	25 14			n.a.
T 17	22 29	20 56	5 3	14 23	3 13	23 41	0 0	4 51	0 54	18 25	1 4	5 48	2 31	3 47	0 38	11 35	1 53	30 23	15 2	16 33	16 11	25 15			n.a.
F 18	22 21	16 33	4 54	14 10	3 24	23 46	0n 2	5 7	0 55	18 22	1 4	5 49	2 31	3 47	0 38	11 36	1 53	30 24	15 2	16 30	16 10	25 17			n.a.
S 19	22 13	11 23	4 30	13 58	3 34	23 49	0 5	5 22	0 56	18 18	1 4	5 49	2 32	3 47	0 38	11 36	1 53	30 24	15 2	16 28	16 9	25 18			n.a.
S 20	22 4	5 38	3 52	13 49	3 44	23 52	0 7	5 37	0 57	18 15	1 4	5 50	2 32	3 47	0 38	11 36	1 53	30 25	15 2	16 26	16 8	25 20			n.a.
M21	21 55	0n28	3 1	13 42	3 53	23 55	0 10	5 53	0 58	18 11	1 4	5 50	2 32	3 47	0 38	11 36	1 53	30 25	15 3	16 25	16 7	25 22			n.a.
T 22	21 45	6 41	1 59	13 37	4 2	23 56	0 13	6 8	0 59	18 7	1 4	5 51	2 32	3 47	0 38	11 36	1 53	30 26	15 3	16 25	16 6	25 23			n.a.
W23	21 35	12 44	0 48	13 34	4 9	23 57	0 15	6 24	1 0	18 4	1 4	5 51	2 33	3 47	0 38	11 37	1 53	30 26	15 3	16 25	16 5	25 25			n.a.
T 24	21 25	18 17	0n27	13 34	4 16	23 57	0 18	6 39	1 1	18 0	1 4	5 52	2 33	3 47	0 38	11 37	1 53	30 27	15 3	16 25	16 4	25 26			n.a.
F 25	21 14	22 53	1 41	13 37	4 21	23 56	0 20	6 55	1 1	17 56	1 4	5 52	2 33	3 47	0 38	11 37	1 53	30 27	15 3	16 25	16 3	25 28			n.a.
S 26	21 3	26 6	2 51	13 42	4 25	23 55	0 23	7 10	1 2	17 53	1 4	5 52	2 34	3 47	0 38	11 37	1 53	30 28	15 3	16 24	16 2	25 29			n.a.
S 27	20 51	27 31	3 49	13 50	4 27	23 53	0 25	7 26	1 3	17 49	1 4	5 53	2 34	3 47	0 38	11 37	1 53	30 28	15 4	16 22	16 1	25 31			n.a.
M28	20 40	26 56	4 32	14 1	4 28	23 50	0 28	7 42	1 4	17 45	1 4	5 53	2 34	3 47	0 38	11 37	1 53	30 29	15 4	16 19	16 0	25 32			n.a.
T 29	20 27	24 28	4 56	14 15	4 27	23 46	0 30	7 57	1 5	17 41	1 4	5 53	2 34	3 47	0 38	11 38	1 53	30 29	15 4	16 16	15 59	25 34			n.a.
W30	20 15	20 26	5 1	14 31	4 24	23 42	0 32	8 13	1 6	17 38	1 4	5 53	2 35	3 46	0 38	11 38	1 53	30 30	15 4	16 13	15 58	25 35			n.a.
T 31	20n 2	15n19	4n46	14n49	4s20	23n37	0n35	8s28	1s 6	17n34	1n 4	5n54	2s35	3n46	0s38	11n38	1s53	30s30	15s 4	16n 9	15n57	25s37			n.a.

Julian Day Number = 1569295.5, Delta T = 04h18m48s
Ecliptic obliquity = 23°44'50, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'27, Lahiri = - 9°42'27 Julian Calendar 1 July 417 BCE == Greg. Calendar 26 June 417 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

AUGUST 417 BCE (-416) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 17 54	2♌41'51	15♍50	5°R 3	14♋48	19♎26	15♌14	20♈58	10°R52	5♉10	16°R 4	13°R34	13♉ 0	15♐11	n.a.	F 1
S 2	20 21 51	3°40'03	29° 9	4♌ 5	16° 2	20° 5	15°27	20°59	10♈52	5°10	16♒ 3	13♉27	12°57	15°18	n.a.	S 2
S 3	20 25 47	4°38'16	12♎ 1	3° 8	17°16	20°44	15°39	21° 0	10°51	5°11	16° 2	13°23	12°54	15°25	n.a.	S 3
M 4	20 29 44	5°36'30	24°31	2°13	18°30	21°23	15°52	21° 0	10°50	5°11	16° 1	13°22	12°50	15°31	n.a.	M 4
T 5	20 33 40	6°34'47	6♏42	1°22	19°44	22° 2	16° 5	21° 1	10°50	5°11	15°59	13°21	12°47	15°38	n.a.	T 5
W 6	20 37 37	7°33'05	18°40	0°34	20°58	22°42	16°18	21° 1	10°49	5°12	15°58	13°21	12°44	15°45	n.a.	W 6
T 7	20 41 33	8°31'25	0♐30	29♋53	22°12	23°21	16°31	21° 1	10°48	5°12	15°57	13°21	12°41	15°51	n.a.	T 7
F 8	20 45 30	9°29'46	12°19	29°18	23°26	24° 1	16°44	21° 2	10°48	5°12	15°56	13°18	12°38	15°58	n.a.	F 8
S 9	20 49 26	10°28'09	24° 9	28°50	24°40	24°41	16°57	21°R 2	10°47	5°12	15°55	13°13	12°34	16° 5	n.a.	S 9
S 10	20 53 23	11°26'34	6♑ 6	28°31	25°55	25°21	17°10	21° 2	10°46	5°12	15°53	13° 5	12°31	16°11	n.a.	S 10
M11	20 57 20	12°25'01	18°13	28°20	27° 9	26° 1	17°23	21° 1	10°45	5°13	15°52	12°54	12°28	16°18	n.a.	M11
T 12	21 1 16	13°23'30	0♒31	28°D19	28°23	26°41	17°36	21° 1	10°44	5°13	15°51	12°42	12°25	16°25	n.a.	T 12
W13	21 5 13	14°22'01	13° 1	28°27	29°38	27°21	17°49	21° 1	10°43	5°13	15°50	12°28	12°22	16°31	n.a.	W13
T 14	21 9 9	15°20'33	25°44	28°44	0♌52	28° 2	18° 2	21° 0	10°42	5°R13	15°48	12°15	12°19	16°38	n.a.	T 14
F 15	21 13 6	16°19'08	8♓39	29°10	2° 6	28°43	18°15	20°59	10°41	5°13	15°47	12° 3	12°15	16°45	n.a.	F 15
S 16	21 17 2	17°17'45	21°46	29°46	3°21	29°23	18°28	20°59	10°39	5°13	15°46	11°54	12°12	16°51	n.a.	S 16
S 17	21 20 59	18°16'24	5♈ 3	0♌30	4°35	0♏ 4	18°41	20°58	10°38	5°13	15°45	11°47	12° 9	16°58	n.a.	S 17
M18	21 24 55	19°15'05	18°31	1°22	5°50	0°45	18°54	20°57	10°37	5°12	15°43	11°43	12° 6	17° 5	n.a.	M18
T 19	21 28 52	20°13'49	2♉10	2°22	7° 4	1°26	19° 7	20°56	10°36	5°12	15°42	11°41	12° 3	17°12	n.a.	T 19
W20	21 32 48	21°12'35	16° 0	3°29	8°19	2° 8	19°20	20°55	10°34	5°12	15°41	11°41	11°59	17°18	n.a.	W20
T 21	21 36 45	22°11'23	0♊ 1	4°42	9°34	2°49	19°33	20°53	10°33	5°12	15°40	11°41	11°56	17°25	n.a.	T 21
F 22	21 40 42	23°10'14	14°13	6° 2	10°48	3°30	19°46	20°52	10°32	5°12	15°39	11°40	11°53	17°32	n.a.	F 22
S 23	21 44 38	24° 9'08	28°35	7°26	12° 3	4°12	20° 0	20°51	10°30	5°11	15°37	11°36	11°50	17°38	n.a.	S 23
S 24	21 48 35	25° 8'03	13♋ 4	8°55	13°18	4°54	20°13	20°49	10°29	5°11	15°36	11°30	11°47	17°45	n.a.	S 24
M25	21 52 31	26° 7'02	27°34	10°28	14°33	5°36	20°26	20°47	10°27	5°11	15°35	11°21	11°44	17°52	n.a.	M25
T 26	21 56 28	27° 6'02	12♌ 0	12° 4	15°47	6°18	20°39	20°45	10°25	5°10	15°34	11°11	11°40	17°58	n.a.	T 26
W27	22 0 24	28° 5'05	26°16	13°43	17° 2	7° 0	20°52	20°44	10°24	5°10	15°32	10°59	11°37	18° 5	n.a.	W27
T 28	22 4 21	29° 4'09	10♍15	15°25	18°17	7°42	21° 5	20°42	10°22	5° 9	15°31	10°48	11°34	18°12	n.a.	T 28
F 29	22 8 17	0♍ 3'16	23°52	17° 8	19°32	8°24	21°18	20°39	10°21	5° 9	15°30	10°39	11°31	18°18	n.a.	F 29
S 30	22 12 14	1° 2'25	7♎ 6	18°52	20°47	9° 6	21°31	20°37	10°19	5° 8	15°29	10°32	11°28	18°25	n.a.	S 30
S 31	22 16 11	2♍ 1'35	19♎57	20♌38	22♌ 2	9♏49	21♌43	20♈35	10♈17	5♉ 8	15♒28	10♉28	11♉25	18♐32	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n49	9n34	4n15	15n10	4s13	23n31	0n37	8s44	1s 7	17n30	1n 4	5n54	2s35	3n46	0s38	11n38	1s53	30s31	15s 4	16n 7	15n56	25s39		n.a.
S 2	19 35	3 34	3 31	15 32	4 4	23 25	0 39	9 0	1 8	17 26	1 4	5 54	2 35	3 46	0 38	11 38	1 54	30 31	15 4	16 5	15 55	25 40		n.a.
S 3	19 21	2s24	2 38	15 55	3 54	23 18	0 41	9 15	1 9	17 22	1 4	5 54	2 36	3 46	0 39	11 38	1 54	30 32	15 4	16 4	15 54	25 42		n.a.
M 4	19 7	8 6	1 38	16 20	3 41	23 10	0 43	9 31	1 9	17 18	1 4	5 54	2 36	3 45	0 39	11 38	1 54	30 32	15 5	16 3	15 53	25 43		n.a.
T 5	18 52	13 22	0 35	16 45	3 27	23 2	0 46	9 46	1 10	17 14	1 4	5 54	2 36	3 45	0 39	11 38	1 54	30 33	15 5	16 3	15 53	25 44		n.a.
W 6	18 37	18 3	0s28	17 10	3 12	22 52	0 48	10 2	1 11	17 10	1 4	5 54	2 36	3 45	0 39	11 38	1 54	30 33	15 5	16 3	15 52	25 46		n.a.
T 7	18 22	21 59	1 30	17 35	2 55	22 43	0 50	10 17	1 12	17 7	1 4	5 53	2 37	3 44	0 39	11 38	1 54	30 34	15 5	16 3	15 51	25 47		n.a.
F 8	18 6	24 59	2 27	18 0	2 38	22 32	0 52	10 33	1 12	17 3	1 4	5 53	2 37	3 44	0 39	11 38	1 54	30 34	15 5	16 2	15 50	25 49		n.a.
S 9	17 50	26 55	3 18	18 23	2 19	22 21	0 54	10 49	1 13	16 59	1 4	5 53	2 37	3 44	0 39	11 38	1 54	30 35	15 5	16 0	15 49	25 50		n.a.
S 10	17 34	27 37	4 1	18 45	2 1	22 9	0 56	11 4	1 14	16 55	1 4	5 53	2 37	3 43	0 39	11 38	1 54	30 35	15 5	15 58	15 48	25 52		n.a.
M11	17 18	27 0	4 33	19 6	1 42	21 56	0 57	11 19	1 14	16 51	1 4	5 52	2 38	3 43	0 39	11 38	1 54	30 36	15 5	15 55	15 47	25 53		n.a.
T 12	17 1	25 4	4 53	19 25	1 23	21 43	0 59	11 35	1 15	16 47	1 5	5 52	2 38	3 42	0 39	11 38	1 54	30 36	15 5	15 51	15 46	25 55		n.a.
W13	16 44	21 54	5 0	19 41	1 4	21 29	1 1	11 50	1 16	16 43	1 5	5 52	2 38	3 42	0 39	11 38	1 54	30 36	15 5	15 47	15 45	25 56		n.a.
T 14	16 27	17 40	4 52	19 56	0 46	21 14	1 3	12 6	1 16	16 39	1 5	5 51	2 38	3 42	0 39	11 38	1 54	30 37	15 5	15 43	15 44	25 57		n.a.
F 15	16 9	12 34	4 29	20 7	0 29	20 59	1 4	12 21	1 17	16 35	1 5	5 51	2 39	3 41	0 39	11 38	1 54	30 37	15 5	15 39	15 43	25 59		n.a.
S 16	15 51	6 50	3 51	20 16	0 12	20 43	1 6	12 36	1 17	16 31	1 5	5 50	2 39	3 41	0 39	11 38	1 54	30 38	15 5	15 36	15 42	26 0		n.a.
S 17	15 33	0 43	3 1	20 22	0n 4	20 27	1 7	12 51	1 18	16 27	1 5	5 50	2 39	3 40	0 39	11 38	1 54	30 38	15 5	15 34	15 41	26 2		n.a.
M18	15 14	5n31	1 59	20 25	0 19	20 10	1 9	13 6	1 18	16 22	1 5	5 49	2 39	3 40	0 39	11 38	1 55	30 39	15 5	15 33	15 40	26 3		n.a.
T 19	14 56	11 36	0 50	20 25	0 32	19 52	1 10	13 21	1 19	16 18	1 5	5 49	2 40	3 39	0 39	11 38	1 55	30 39	15 5	15 32	15 39	26 4		n.a.
W20	14 37	17 12	0n23	20 21	0 45	19 34	1 12	13 37	1 20	16 14	1 5	5 48	2 40	3 39	0 39	11 37	1 55	30 39	15 5	15 32	15 38	26 6		n.a.
T 21	14 18	21 58	1 35	20 15	0 57	19 15	1 13	13 51	1 20	16 10	1 5	5 47	2 40	3 38	0 39	11 37	1 55	30 40	15 5	15 32	15 37	26 7		n.a.
F 22	13 58	25 30	2 43	20 5	1 7	18 56	1 14	14 6	1 21	16 6	1 5	5 46	2 40	3 37	0 39	11 37	1 55	30 40	15 5	15 32	15 36	26 9		n.a.
S 23	13 38	27 25	3 41	19 53	1 16	18 36	1 15	14 21	1 21	16 2	1 5	5 46	2 41	3 37	0 39	11 37	1 55	30 41	15 5	15 31	15 35	26 10		n.a.
S 24	13 19	27 30	4 25	19 37	1 24	18 16	1 16	14 36	1 22	15 58	1 5	5 45	2 41	3 36	0 39	11 37	1 55	30 41	15 5	15 29	15 34	26 11		n.a.
M25	12 58	25 42	4 53	19 18	1 31	17 55	1 18	14 51	1 22	15 54	1 5	5 44	2 41	3 36	0 39	11 37	1 55	30 41	15 5	15 26	15 33	26 13		n.a.
T 26	12 38	22 13	5 1	18 57	1 37	17 33	1 19	15 5	1 23	15 49	1 5	5 43	2 41	3 35	0 39	11 37	1 55	30 42	15 5	15 22	15 32	26 14		n.a.
W27	12 18	17 28	4 51	18 33	1 42	17 11	1 19	15 20	1 23	15 45	1 5	5 42	2 42	3 34	0 39	11 36	1 55	30 42	15 5	15 19	15 31	26 15		n.a.
T 28	11 57	11 52	4 23	18 7	1 46	16 49	1 20	15 34	1 23	15 41	1 5	5 41	2 42	3 34	0 39	11 36	1 55	30 42	15 5	15 15	15 30	26 17		n.a.
F 29	11 36	5 50	3 41	17 38	1 49	16 26	1 21	15 48	1 24	15 37	1 5	5 40	2 42	3 33	0 39	11 36	1 55	30 43	15 5	15 12	15 29	26 18		n.a.
S 30	11 15	0s18	2 47	17 7	1 51	16 3	1 22	16 3	1 24	15 33	1 6	5 39	2 42	3 32	0 39	11 36	1 55	30 43	15 5	15 10	15 28	26 19		n.a.
S 31	10n53	6s15	1n47	16n35	1n53	15n39	1n23	16s17	1s25	15n29	1n 6	5n38	2s42	3n31	0s39	11n35	1s55	30s43	15s 5	15n 9	15n27	26s21		n.a.

Julian Day Number = 1569326.5, Delta T = 04h18m47s
Ecliptic obliquity = 23°44'51, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'23, Lahiri = - 9°42'22 Julian Calendar 1 Aug. 417 BCE == Greg. Calendar 27 July 417 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

SEPTEMBER 417 BCE (-416) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 20 7	3♍ 0'48	2♏27	22♌25	23♌17	10♏32	21♌56	20°R32	10°R15	5°R 7	15°R26	10°R26	11♉21	18♐38	n.a.	M 1
T 2	22 24 4	4° 0'03	14°39	24°11	24°32	11°14	22° 9	20♈30	10♈13	5♉ 7	15♒25	10°D25	11°18	18°45	n.a.	T 2
W 3	22 28 0	4°59'19	26°38	25°59	25°47	11°57	22°22	20°27	10°11	5° 6	15°24	10♉26	11°15	18°52	n.a.	W 3
T 4	22 31 57	5°58'38	8♐30	27°46	27° 2	12°40	22°35	20°25	10°10	5° 5	15°23	10°R26	11°12	18°58	n.a.	T 4
F 5	22 35 53	6°57'58	20°19	29°33	28°17	13°23	22°48	20°22	10° 8	5° 5	15°22	10°25	11° 9	19° 5	n.a.	F 5
S 6	22 39 50	7°57'20	2♑11	1♍20	29°32	14° 6	23° 1	20°19	10° 6	5° 4	15°21	10°22	11° 5	19°12	n.a.	S 6
S 7	22 43 46	8°56'45	14°12	3° 7	0♍47	14°49	23°14	20°16	10° 4	5° 3	15°20	10°17	11° 2	19°18	n.a.	S 7
M 8	22 47 43	9°56'11	26°24	4°53	2° 2	15°32	23°26	20°13	10° 2	5° 2	15°19	10° 9	10°59	19°25	n.a.	M 8
T 9	22 51 40	10°55'39	8♒51	6°38	3°17	16°16	23°39	20°10	10° 0	5° 1	15°17	9°59	10°56	19°32	n.a.	T 9
W10	22 55 36	11°55'09	21°34	8°24	4°33	16°59	23°52	20° 6	9°58	5° 1	15°16	9°49	10°53	19°38	n.a.	W10
T 11	22 59 33	12°54'41	4♓34	10° 8	5°48	17°43	24° 5	20° 3	9°55	5° 0	15°15	9°38	10°50	19°45	n.a.	T 11
F 12	23 3 29	13°54'15	17°50	11°52	7° 3	18°26	24°17	20° 0	9°53	4°59	15°14	9°29	10°46	19°52	n.a.	F 12
S 13	23 7 26	14°53'51	1♈20	13°35	8°18	19°10	24°30	19°56	9°51	4°58	15°13	9°22	10°43	19°58	n.a.	S 13
S 14	23 11 22	15°53'29	15° 2	15°18	9°33	19°54	24°42	19°53	9°49	4°57	15°12	9°17	10°40	20° 5	n.a.	S 14
M15	23 15 19	16°53'10	28°53	17° 0	10°49	20°38	24°55	19°49	9°47	4°56	15°11	9°14	10°37	20°12	n.a.	M15
T 16	23 19 15	17°52'53	12♉50	18°41	12° 4	21°21	25° 8	19°45	9°44	4°55	15°10	9°D14	10°34	20°18	n.a.	T 16
W17	23 23 12	18°52'39	26°53	20°22	13°19	22° 5	25°20	19°41	9°42	4°54	15° 9	9°15	10°31	20°25	n.a.	W17
T 18	23 27 8	19°52'26	10♊58	22° 2	14°35	22°50	25°33	19°37	9°40	4°53	15° 8	9°16	10°27	20°32	n.a.	T 18
F 19	23 31 5	20°52'17	25° 6	23°42	15°50	23°34	25°45	19°34	9°38	4°52	15° 7	9°R16	10°24	20°38	n.a.	F 19
S 20	23 35 2	21°52'10	9♋15	25°21	17° 5	24°18	25°57	19°29	9°35	4°51	15° 6	9°14	10°21	20°45	n.a.	S 20
S 21	23 38 58	22°52'05	23°23	26°59	18°21	25° 2	26°10	19°25	9°33	4°49	15° 5	9°11	10°18	20°52	n.a.	S 21
M22	23 42 55	23°52'02	7♌28	28°37	19°36	25°47	26°22	19°21	9°31	4°48	15° 4	9° 6	10°15	20°58	n.a.	M22
T 23	23 46 51	24°52'01	21°27	0♎14	20°51	26°31	26°34	19°17	9°28	4°47	15° 3	8°59	10°11	21° 5	n.a.	T 23
W24	23 50 48	25°52'03	5♍15	1°50	22° 7	27°16	26°46	19°13	9°26	4°46	15° 2	8°51	10° 8	21°12	n.a.	W24
T 25	23 54 44	26°52'07	18°50	3°26	23°22	28° 0	26°59	19° 8	9°23	4°44	15° 2	8°44	10° 5	21°18	n.a.	T 25
F 26	23 58 41	27°52'13	2♎ 9	5° 2	24°38	28°45	27°11	19° 4	9°21	4°43	15° 1	8°38	10° 2	21°25	n.a.	F 26
S 27	0 2 37	28°52'20	15° 9	6°37	25°53	29°30	27°23	19° 0	9°19	4°42	15° 0	8°34	9°59	21°32	n.a.	S 27
S 28	0 6 34	29°52'30	27°52	8°11	27° 8	0♐14	27°35	18°55	9°16	4°41	14°59	8°31	9°56	21°39	n.a.	S 28
M29	0 10 31	0♎52'41	10♏17	9°45	28°24	0°59	27°47	18°50	9°14	4°39	14°58	8°D31	9°52	21°45	n.a.	M29
T 30	0 14 27	1♎52'55	22♏27	11♎19	29♍39	1♐44	27♌59	18♈46	9♈11	4♉38	14♒57	8♉31	9♉49	21♐52	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	10n32	11s49	0n42	16n 0	1n53	15n14	1n23	16s31	1s25	15n25	1n 6	5n37	2s43	3n31	0s39	11n35	1s55	30s44	15s 5	15n 8	15n26	26s22		n.a.
T 2	10 10	16 48	0s23	15 24	1 53	14 50	1 24	16 45	1 25	15 20	1 6	5 36	2 43	3 30	0 39	11 35	1 55	30 44	15 5	15 8	15 25	26 23		n.a.
W 3	9 48	21 2	1 25	14 47	1 52	14 24	1 24	16 59	1 26	15 16	1 6	5 35	2 43	3 29	0 39	11 35	1 55	30 44	15 4	15 8	15 24	26 24		n.a.
T 4	9 26	24 22	2 24	14 8	1 51	13 59	1 25	17 12	1 26	15 12	1 6	5 33	2 43	3 28	0 39	11 34	1 56	30 44	15 4	15 8	15 23	26 26		n.a.
F 5	9 4	26 39	3 16	13 28	1 49	13 33	1 25	17 26	1 27	15 8	1 6	5 32	2 44	3 28	0 39	11 34	1 56	30 45	15 4	15 8	15 22	26 27		n.a.
S 6	8 42	27 44	4 0	12 48	1 46	13 7	1 25	17 39	1 27	15 4	1 6	5 31	2 44	3 27	0 39	11 34	1 56	30 45	15 4	15 7	15 21	26 28		n.a.
S 7	8 19	27 31	4 34	12 6	1 43	12 40	1 25	17 53	1 27	14 59	1 6	5 30	2 44	3 26	0 39	11 33	1 56	30 45	15 4	15 5	15 20	26 29		n.a.
M 8	7 56	25 59	4 56	11 23	1 40	12 13	1 26	18 6	1 28	14 55	1 6	5 28	2 44	3 25	0 39	11 33	1 56	30 45	15 4	15 3	15 19	26 31		n.a.
T 9	7 34	23 10	5 4	10 40	1 36	11 45	1 26	18 19	1 28	14 51	1 6	5 27	2 44	3 24	0 39	11 33	1 56	30 46	15 4	15 0	15 18	26 32		n.a.
W10	7 11	19 11	4 58	9 57	1 32	11 18	1 26	18 32	1 28	14 47	1 6	5 25	2 44	3 24	0 39	11 33	1 56	30 46	15 4	14 57	15 17	26 33		n.a.
T 11	6 48	14 14	4 36	9 13	1 28	10 50	1 26	18 45	1 28	14 43	1 7	5 24	2 45	3 23	0 39	11 32	1 56	30 46	15 4	14 53	15 16	26 34		n.a.
F 12	6 25	8 32	4 0	8 28	1 23	10 21	1 26	18 57	1 29	14 38	1 7	5 23	2 45	3 22	0 39	11 32	1 56	30 46	15 3	14 50	15 15	26 36		n.a.
S 13	6 1	2 21	3 9	7 44	1 18	9 53	1 25	19 10	1 29	14 34	1 7	5 21	2 45	3 21	0 39	11 31	1 56	30 46	15 3	14 48	15 14	26 37		n.a.
S 14	5 38	4n 4	2 6	6 59	1 13	9 24	1 25	19 22	1 29	14 30	1 7	5 20	2 45	3 20	0 39	11 31	1 56	30 47	15 3	14 46	15 13	26 38		n.a.
M15	5 15	10 21	0 55	6 13	1 7	8 55	1 25	19 34	1 29	14 26	1 7	5 18	2 45	3 19	0 39	11 31	1 56	30 47	15 3	14 45	15 12	26 39		n.a.
T 16	4 51	16 12	0n19	5 28	1 1	8 25	1 24	19 46	1 30	14 22	1 7	5 16	2 45	3 18	0 39	11 30	1 56	30 47	15 3	14 45	15 11	26 40		n.a.
W17	4 27	21 14	1 34	4 43	0 56	7 56	1 24	19 58	1 30	14 18	1 7	5 15	2 46	3 17	0 39	11 30	1 56	30 47	15 3	14 46	15 10	26 42		n.a.
T 18	4 4	25 3	2 42	3 57	0 50	7 26	1 24	20 10	1 30	14 13	1 7	5 13	2 46	3 17	0 39	11 30	1 56	30 47	15 2	14 46	15 9	26 43		n.a.
F 19	3 40	27 21	3 42	3 12	0 43	6 56	1 23	20 21	1 30	14 9	1 7	5 12	2 46	3 16	0 39	11 29	1 56	30 47	15 2	14 46	15 8	26 44		n.a.
S 20	3 16	27 52	4 27	2 26	0 37	6 26	1 22	20 33	1 30	14 5	1 8	5 10	2 46	3 15	0 39	11 29	1 56	30 48	15 2	14 46	15 7	26 45		n.a.
S 21	2 52	26 34	4 57	1 41	0 31	5 55	1 22	20 44	1 31	14 1	1 8	5 8	2 46	3 14	0 39	11 28	1 56	30 48	15 2	14 44	15 6	26 46		n.a.
M22	2 28	23 36	5 8	0 56	0 24	5 24	1 21	20 55	1 31	13 57	1 8	5 7	2 46	3 13	0 39	11 28	1 56	30 48	15 2	14 43	15 5	26 47		n.a.
T 23	2 4	19 16	5 1	0 11	0 18	4 54	1 20	21 6	1 31	13 53	1 8	5 5	2 46	3 12	0 39	11 27	1 56	30 48	15 1	14 40	15 4	26 49		n.a.
W24	1 40	13 59	4 37	0s34	0 11	4 23	1 19	21 16	1 31	13 49	1 8	5 3	2 46	3 11	0 39	11 27	1 56	30 48	15 1	14 38	15 3	26 50		n.a.
T 25	1 16	8 6	3 57	1 19	0 5	3 52	1 18	21 27	1 31	13 45	1 8	5 1	2 47	3 10	0 39	11 26	1 56	30 48	15 1	14 36	15 2	26 51		n.a.
F 26	0 51	1 57	3 4	2 3	0s 2	3 21	1 17	21 37	1 31	13 40	1 8	5 0	2 47	3 9	0 39	11 26	1 57	30 48	15 1	14 34	15 1	26 52		n.a.
S 27	0 27	4s 9	2 4	2 47	0 9	2 49	1 16	21 47	1 31	13 36	1 8	4 58	2 47	3 8	0 39	11 26	1 57	30 48	15 1	14 32	15 0	26 53		n.a.
S 28	0 3	9 57	0 58	3 31	0 15	2 18	1 15	21 57	1 31	13 32	1 9	4 56	2 47	3 7	0 39	11 25	1 57	30 48	15 0	14 32	14 59	26 54		n.a.
M29	0s21	15 15	0s10	4 15	0 22	1 46	1 14	22 7	1 32	13 28	1 9	4 54	2 47	3 6	0 39	11 25	1 57	30 48	15 0	14 31	14 58	26 55		n.a.
T 30	0s45	19s50	1s15	4s58	0s29	1n15	1n13	22s16	1s32	13n24	1n 9	4n52	2s47	3n 5	0s39	11n24	1s57	30s48	15s 0	14n32	14n57	26s56		n.a.

Julian Day Number = 1569357.5, Delta T = 04h18m46s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'19, Lahiri = - 9°42'18 Julian Calendar 1 Sept. 417 BCE == Greg. Calendar 27 Aug. 417 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

OCTOBER 417 BCE (-416) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 18 24	2♎53'09	4♐26	12♎52	0♎55	2♐29	28♌10	18°R41	9°R 9	4°R37	14°R57	8♉33	9♉46	21♐59	n.a.	W 1
T 2	0 22 20	3°53'26	16°18	14°25	2°10	3°14	28°22	18♈37	9♈ 6	4♉35	14♒56	8°35	9°43	22° 5	n.a.	T 2
F 3	0 26 17	4°53'44	28° 8	15°57	3°26	3°59	28°34	18°32	9° 4	4°34	14°55	8°36	9°40	22°12	n.a.	F 3
S 4	0 30 13	5°54'04	10♑ 0	17°29	4°41	4°45	28°46	18°27	9° 1	4°32	14°55	8°R36	9°37	22°19	n.a.	S 4
S 5	0 34 10	6°54'26	22° 1	19° 0	5°57	5°30	28°57	18°22	8°59	4°31	14°54	8°35	9°33	22°25	n.a.	S 5
M 6	0 38 6	7°54'49	4♒13	20°32	7°12	6°15	29° 9	18°18	8°56	4°29	14°53	8°32	9°30	22°32	n.a.	M 6
T 7	0 42 3	8°55'13	16°43	22° 2	8°28	7° 0	29°20	18°13	8°54	4°28	14°53	8°29	9°27	22°39	n.a.	T 7
W 8	0 46 0	9°55'39	29°32	23°32	9°43	7°46	29°31	18° 8	8°51	4°26	14°52	8°24	9°24	22°45	n.a.	W 8
T 9	0 49 56	10°56'07	12♓42	25° 2	10°59	8°31	29°43	18° 3	8°49	4°25	14°51	8°19	9°21	22°52	n.a.	T 9
F 10	0 53 53	11°56'36	26°13	26°32	12°14	9°17	29°54	17°58	8°46	4°23	14°51	8°15	9°17	22°59	n.a.	F 10
S 11	0 57 49	12°57'06	10♈ 4	28° 1	13°30	10° 2	0♍ 5	17°53	8°44	4°22	14°50	8°12	9°14	23° 5	n.a.	S 11
S 12	1 1 46	13°57'39	24°12	29°29	14°45	10°48	0°16	17°48	8°42	4°20	14°50	8°10	9°11	23°12	n.a.	S 12
M13	1 5 42	14°58'13	8♉30	0♏57	16° 1	11°33	0°27	17°43	8°39	4°19	14°49	8°D10	9° 8	23°19	n.a.	M13
T 14	1 9 39	15°58'49	22°56	2°25	17°16	12°19	0°38	17°38	8°37	4°17	14°49	8°10	9° 5	23°25	n.a.	T 14
W15	1 13 35	16°59'26	7♊23	3°52	18°32	13° 5	0°49	17°33	8°34	4°15	14°48	8°11	9° 2	23°32	n.a.	W15
T 16	1 17 32	18° 0'06	21°47	5°18	19°47	13°51	1° 0	17°28	8°32	4°14	14°48	8°13	8°58	23°39	n.a.	T 16
F 17	1 21 28	19° 0'48	6♋ 5	6°44	21° 3	14°36	1°11	17°23	8°29	4°12	14°47	8°14	8°55	23°45	n.a.	F 17
S 18	1 25 25	20° 1'31	20°14	8° 9	22°18	15°22	1°21	17°19	8°27	4°11	14°47	8°R14	8°52	23°52	n.a.	S 18
S 19	1 29 22	21° 2'16	4♌12	9°34	23°34	16° 8	1°32	17°14	8°24	4° 9	14°46	8°14	8°49	23°59	n.a.	S 19
M20	1 33 18	22° 3'03	17°59	10°57	24°49	16°54	1°42	17° 9	8°22	4° 7	14°46	8°12	8°46	24° 6	n.a.	M20
T 21	1 37 15	23° 3'51	1♍34	12°20	26° 5	17°40	1°52	17° 4	8°20	4° 6	14°46	8°11	8°42	24°12	n.a.	T 21
W22	1 41 11	24° 4'41	14°55	13°41	27°20	18°26	2° 3	16°59	8°17	4° 4	14°45	8° 9	8°39	24°19	n.a.	W22
T 23	1 45 8	25° 5'33	28° 4	15° 1	28°36	19°12	2°13	16°54	8°15	4° 2	14°45	8° 7	8°36	24°26	n.a.	T 23
F 24	1 49 4	26° 6'26	10♎58	16°20	29°51	19°58	2°23	16°49	8°13	4° 1	14°45	8° 5	8°33	24°32	n.a.	F 24
S 25	1 53 1	27° 7'20	23°39	17°37	1♏ 7	20°44	2°33	16°44	8°10	3°59	14°45	8° 4	8°30	24°39	n.a.	S 25
S 26	1 56 57	28° 8'16	6♏ 7	18°53	2°22	21°30	2°43	16°39	8° 8	3°57	14°44	8°D 4	8°27	24°46	n.a.	S 26
M27	2 0 54	29° 9'13	18°23	20° 6	3°38	22°16	2°53	16°35	8° 6	3°55	14°44	8° 4	8°23	24°52	n.a.	M27
T 28	2 4 51	0♏10'11	0♐28	21°16	4°53	23° 3	3° 2	16°30	8° 3	3°54	14°44	8° 4	8°20	24°59	n.a.	T 28
W29	2 8 47	1°11'10	12°25	22°24	6° 9	23°49	3°12	16°25	8° 1	3°52	14°44	8° 5	8°17	25° 6	n.a.	W29
T 30	2 12 44	2°12'10	24°16	23°29	7°24	24°35	3°21	16°20	7°59	3°50	14°44	8° 6	8°14	25°12	n.a.	T 30
F 31	2 16 40	3♏13'11	6♑ 5	24♏30	8♏40	25♐21	3♍31	16♈16	7♈57	3♉49	14♒44	8♉ 7	8♉11	25♐19	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	1s10	23s32	2s17	5s41	0s35	0n43	1n12	22s25	1s32	13n20	1n 9	4n51	2s47	3n 4	0s39	11n24	1s57	30s48	15s 0	14n32	14n56	26s57			n.a.
T 2	1 34	26 13	3 12	6 24	0 42	0 12	1 10	22 34	1 32	13 16	1 9	4 49	2 47	3 3	0 39	11 23	1 57	30 48	14 59	14 33	14 55	26 58			n.a.
F 3	1 58	27 42	3 58	7 6	0 48	0s20	1 9	22 43	1 32	13 12	1 9	4 47	2 47	3 2	0 39	11 23	1 57	30 48	14 59	14 33	14 54	27 0			n.a.
S 4	2 22	27 56	4 35	7 47	0 55	0 51	1 7	22 52	1 32	13 8	1 9	4 45	2 47	3 1	0 39	11 22	1 57	30 48	14 59	14 33	14 53	27 1			n.a.
S 5	2 47	26 51	5 0	8 29	1 1	1 23	1 6	23 0	1 32	13 4	1 10	4 43	2 47	3 0	0 39	11 22	1 57	30 48	14 59	14 33	14 52	27 2			n.a.
M 6	3 11	24 30	5 12	9 9	1 7	1 55	1 4	23 8	1 32	13 0	1 10	4 41	2 47	2 59	0 39	11 21	1 57	30 48	14 58	14 32	14 51	27 3			n.a.
T 7	3 35	20 56	5 10	9 50	1 14	2 26	1 3	23 16	1 32	12 56	1 10	4 39	2 47	2 58	0 39	11 20	1 57	30 48	14 58	14 31	14 50	27 4			n.a.
W 8	3 59	16 20	4 52	10 29	1 20	2 58	1 1	23 24	1 32	12 53	1 10	4 38	2 47	2 57	0 39	11 20	1 57	30 48	14 58	14 29	14 49	27 5			n.a.
T 9	4 23	10 51	4 19	11 8	1 26	3 29	1 0	23 31	1 32	12 49	1 10	4 36	2 47	2 56	0 39	11 19	1 57	30 48	14 58	14 28	14 48	27 6			n.a.
F 10	4 47	4 44	3 30	11 47	1 31	4 1	0 58	23 38	1 32	12 45	1 10	4 34	2 47	2 55	0 39	11 19	1 57	30 48	14 57	14 26	14 46	27 7			n.a.
S 11	5 11	1n46	2 28	12 24	1 37	4 32	0 56	23 45	1 32	12 41	1 11	4 32	2 47	2 54	0 39	11 18	1 57	30 48	14 57	14 25	14 45	27 8			n.a.
S 12	5 35	8 19	1 16	13 2	1 42	5 3	0 54	23 52	1 32	12 37	1 11	4 30	2 47	2 53	0 39	11 18	1 57	30 48	14 57	14 25	14 44	27 9			n.a.
M13	5 58	14 33	0n 2	13 38	1 48	5 34	0 52	23 58	1 32	12 33	1 11	4 28	2 47	2 52	0 39	11 17	1 57	30 48	14 56	14 24	14 43	27 10			n.a.
T 14	6 22	20 2	1 21	14 14	1 53	6 5	0 50	24 4	1 31	12 30	1 11	4 26	2 47	2 51	0 39	11 17	1 57	30 48	14 56	14 25	14 42	27 11			n.a.
W15	6 45	24 21	2 34	14 48	1 58	6 36	0 49	24 10	1 31	12 26	1 11	4 24	2 47	2 50	0 39	11 16	1 57	30 48	14 56	14 25	14 41	27 12			n.a.
T 16	7 9	27 7	3 38	15 22	2 2	7 7	0 47	24 16	1 31	12 22	1 11	4 22	2 47	2 49	0 39	11 16	1 57	30 47	14 56	14 25	14 40	27 13			n.a.
F 17	7 32	28 4	4 28	15 56	2 7	7 38	0 45	24 21	1 31	12 19	1 12	4 21	2 47	2 49	0 39	11 15	1 57	30 47	14 55	14 26	14 39	27 14			n.a.
S 18	7 56	27 9	5 0	16 28	2 11	8 8	0 43	24 27	1 31	12 15	1 12	4 19	2 47	2 48	0 39	11 14	1 57	30 47	14 55	14 26	14 38	27 15			n.a.
S 19	8 19	24 33	5 15	16 59	2 14	8 38	0 41	24 31	1 31	12 11	1 12	4 17	2 47	2 47	0 39	11 14	1 57	30 47	14 55	14 26	14 37	27 16			n.a.
M20	8 42	20 34	5 11	17 29	2 18	9 8	0 38	24 36	1 31	12 8	1 12	4 15	2 47	2 46	0 39	11 13	1 57	30 47	14 54	14 25	14 36	27 16			n.a.
T 21	9 5	15 34	4 50	17 58	2 21	9 38	0 36	24 40	1 31	12 4	1 12	4 13	2 47	2 45	0 39	11 13	1 57	30 47	14 54	14 25	14 35	27 17			n.a.
W22	9 27	9 54	4 13	18 26	2 23	10 8	0 34	24 44	1 31	12 0	1 13	4 11	2 47	2 44	0 39	11 12	1 57	30 47	14 54	14 24	14 34	27 18			n.a.
T 23	9 50	3 53	3 24	18 52	2 26	10 37	0 32	24 48	1 30	11 57	1 13	4 10	2 47	2 43	0 39	11 12	1 57	30 46	14 54	14 23	14 33	27 19			n.a.
F 24	10 12	2s11	2 24	19 17	2 27	11 6	0 30	24 52	1 30	11 53	1 13	4 8	2 47	2 42	0 39	11 11	1 57	30 46	14 53	14 23	14 32	27 20			n.a.
S 25	10 35	8 5	1 19	19 41	2 29	11 35	0 28	24 55	1 30	11 50	1 13	4 6	2 47	2 41	0 39	11 10	1 57	30 46	14 53	14 23	14 31	27 21			n.a.
S 26	10 57	13 34	0 11	20 3	2 29	12 3	0 25	24 58	1 30	11 47	1 13	4 4	2 46	2 40	0 39	11 10	1 57	30 46	14 53	14 23	14 30	27 22			n.a.
M27	11 19	18 26	0s57	20 23	2 29	12 32	0 23	25 1	1 30	11 43	1 14	4 2	2 46	2 39	0 39	11 9	1 57	30 45	14 52	14 23	14 29	27 23			n.a.
T 28	11 41	22 29	2 1	20 42	2 29	13 0	0 21	25 3	1 29	11 40	1 14	4 1	2 46	2 38	0 39	11 9	1 57	30 45	14 52	14 23	14 28	27 24			n.a.
W29	12 2	25 32	2 59	20 59	2 28	13 27	0 18	25 5	1 29	11 37	1 14	3 59	2 46	2 37	0 39	11 8	1 57	30 45	14 52	14 23	14 27	27 25			n.a.
T 30	12 24	27 26	3 49	21 14	2 26	13 54	0 16	25 7	1 29	11 33	1 14	3 57	2 46	2 37	0 39	11 7	1 57	30 45	14 51	14 23	14 26	27 25			n.a.
F 31	12s45	28s 5	4s29	21s26	2s23	14s21	0n14	25s 9	1s29	11n30	1n14	3n56	2s46	2n36	0s39	11n 7	1s57	30s44	14s51	14n23	14n25	27s26			n.a.

Julian Day Number = 1569387.5, Delta T = 04h18m44s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'14, Lahiri = - 9°42'14 Julian Calendar 1 Oct. 417 BCE == Greg. Calendar 26 Sept. 417 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

NOVEMBER 417 BCE (-416) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 20 37	4♏14'13	17♑57	25♏27	9♏55	26♐ 8	3♍40	16°R11	7°R55	3°R47	14°R44	8♉ 7	8♉ 8	25♐26	n.a.	S 1
S 2	2 24 33	5°15'16	29°55	26°19	11°11	26°54	3°49	16♈ 7	7♈52	3♉45	14♒44	8° 7	8° 4	25°32	n.a.	S 2
M 3	2 28 30	6°16'19	12♒ 5	27° 6	12°26	27°40	3°58	16° 2	7°50	3°44	14°D44	8°R 7	8° 1	25°39	n.a.	M 3
T 4	2 32 27	7°17'23	24°30	27°46	13°42	28°27	4° 7	15°58	7°48	3°42	14°44	8° 7	7°58	25°46	n.a.	T 4
W 5	2 36 23	8°18'28	7♓16	28°20	14°57	29°13	4°16	15°53	7°46	3°40	14°44	8°D 7	7°55	25°53	n.a.	W 5
T 6	2 40 20	9°19'33	20°26	28°45	16°13	29°59	4°24	15°49	7°44	3°38	14°44	8° 7	7°52	25°59	n.a.	T 6
F 7	2 44 16	10°20'39	4♈ 0	29° 2	17°28	0♑46	4°33	15°45	7°42	3°37	14°44	8° 7	7°48	26° 6	n.a.	F 7
S 8	2 48 13	11°21'45	18° 0	29°R10	18°44	1°32	4°41	15°41	7°40	3°35	14°44	8° 7	7°45	26°13	n.a.	S 8
S 9	2 52 9	12°22'52	2♉23	29° 7	19°59	2°19	4°49	15°36	7°38	3°33	14°44	8°R 8	7°42	26°19	n.a.	S 9
M10	2 56 6	13°24'00	17° 5	28°53	21°14	3° 5	4°58	15°32	7°36	3°32	14°44	8° 8	7°39	26°26	n.a.	M10
T 11	3 0 2	14°25'09	1♊57	28°28	22°30	3°52	5° 6	15°28	7°35	3°30	14°44	8° 7	7°36	26°33	n.a.	T 11
W12	3 3 59	15°26'19	16°53	27°51	23°45	4°38	5°14	15°24	7°33	3°28	14°45	8° 7	7°33	26°39	n.a.	W12
T 13	3 7 56	16°27'29	1♋44	27° 3	25° 1	5°25	5°21	15°20	7°31	3°27	14°45	8° 6	7°29	26°46	n.a.	T 13
F 14	3 11 52	17°28'40	16°23	26° 4	26°16	6°11	5°29	15°17	7°29	3°25	14°45	8° 5	7°26	26°53	n.a.	F 14
S 15	3 15 49	18°29'52	0♌46	24°56	27°32	6°58	5°37	15°13	7°28	3°23	14°45	8° 4	7°23	26°59	n.a.	S 15
S 16	3 19 45	19°31'05	14°49	23°41	28°47	7°44	5°44	15° 9	7°26	3°22	14°46	8°D 3	7°20	27° 6	n.a.	S 16
M17	3 23 42	20°32'19	28°31	22°21	0♐ 2	8°31	5°51	15° 6	7°24	3°20	14°46	8° 3	7°17	27°13	n.a.	M17
T 18	3 27 38	21°33'33	11♍53	20°58	1°18	9°17	5°58	15° 2	7°23	3°19	14°46	8° 4	7°14	27°20	n.a.	T 18
W19	3 31 35	22°34'48	24°57	19°36	2°33	10° 4	6° 5	14°59	7°21	3°17	14°47	8° 5	7°10	27°26	n.a.	W19
T 20	3 35 31	23°36'03	7♎45	18°17	3°48	10°50	6°12	14°56	7°20	3°15	14°47	8° 7	7° 7	27°33	n.a.	T 20
F 21	3 39 28	24°37'19	20°18	17° 4	5° 4	11°37	6°19	14°52	7°18	3°14	14°47	8° 8	7° 4	27°40	n.a.	F 21
S 22	3 43 25	25°38'36	2♏40	15°58	6°19	12°23	6°25	14°49	7°17	3°12	14°48	8°R 9	7° 1	27°46	n.a.	S 22
S 23	3 47 21	26°39'53	14°53	15° 2	7°35	13°10	6°32	14°46	7°15	3°11	14°48	8° 9	6°58	27°53	n.a.	S 23
M24	3 51 18	27°41'10	26°57	14°15	8°50	13°56	6°38	14°43	7°14	3° 9	14°49	8° 7	6°54	28° 0	n.a.	M24
T 25	3 55 14	28°42'27	8♐54	13°39	10° 5	14°43	6°44	14°40	7°13	3° 8	14°49	8° 5	6°51	28° 6	n.a.	T 25
W26	3 59 11	29°43'45	20°48	13°14	11°21	15°30	6°50	14°38	7°11	3° 6	14°50	8° 2	6°48	28°13	n.a.	W26
T 27	4 3 7	0♐45'02	2♑38	12°59	12°36	16°16	6°55	14°35	7°10	3° 5	14°51	7°58	6°45	28°20	n.a.	T 27
F 28	4 7 4	1°46'19	14°28	12°D54	13°51	17° 3	7° 1	14°32	7° 9	3° 3	14°51	7°54	6°42	28°26	n.a.	F 28
S 29	4 11 1	2°47'37	26°20	12°59	15° 6	17°49	7° 7	14°30	7° 8	3° 2	14°52	7°50	6°39	28°33	n.a.	S 29
S 30	4 14 57	3♐48'53	8♒17	13♏11	16♐22	18♑36	7♍12	14♈28	7♈ 7	3♉ 0	14♒52	7♉46	6♉35	28♐40	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	13s 6	27s27	4s58	21s37	2s19	14s48	0n11	25s10	1s29	11n27	1n15	3n54	2s46	2n35	0s39	11n 6	1s57	30s44	14s51	14n24	14n24	27s27		n.a.	
S 2	13 26	25 32	5 14	21 45	2 14	15 14	0 9	25 11	1 28	11 24	1 15	3 52	2 46	2 34	0 39	11 6	1 57	30 44	14 50	14 24	14 23	27 28		n.a.	
M 3	13 47	22 27	5 17	21 50	2 8	15 40	0 7	25 12	1 28	11 21	1 15	3 51	2 45	2 33	0 39	11 5	1 57	30 44	14 50	14 24	14 22	27 29		n.a.	
T 4	14 7	18 18	5 5	21 53	2 1	16 5	0 4	25 12	1 28	11 18	1 15	3 49	2 45	2 32	0 39	11 5	1 57	30 43	14 50	14 24	14 21	27 30		n.a.	
W 5	14 27	13 14	4 37	21 52	1 52	16 30	0 2	25 12	1 28	11 15	1 15	3 48	2 45	2 32	0 39	11 4	1 57	30 43	14 49	14 24	14 20	27 30		n.a.	
T 6	14 47	7 26	3 55	21 48	1 43	16 55	0s 1	25 12	1 27	11 12	1 16	3 46	2 45	2 31	0 39	11 3	1 57	30 43	14 49	14 24	14 19	27 31		n.a.	
F 7	15 7	1 7	2 58	21 41	1 31	17 19	0 3	25 12	1 27	11 9	1 16	3 45	2 45	2 30	0 39	11 3	1 57	30 42	14 49	14 24	14 18	27 32		n.a.	
S 8	15 26	5n28	1 49	21 31	1 19	17 42	0 5	25 11	1 27	11 6	1 16	3 43	2 45	2 29	0 39	11 2	1 57	30 42	14 48	14 24	14 16	27 33		n.a.	
S 9	15 45	11 58	0 32	21 16	1 5	18 5	0 8	25 10	1 26	11 3	1 16	3 42	2 44	2 29	0 39	11 2	1 57	30 42	14 48	14 24	14 15	27 34		n.a.	
M10	16 4	17 56	0n49	20 58	0 49	18 28	0 10	25 9	1 26	11 0	1 17	3 40	2 44	2 28	0 39	11 1	1 57	30 41	14 48	14 24	14 14	27 34		n.a.	
T 11	16 22	22 55	2 8	20 36	0 32	18 50	0 13	25 7	1 26	10 57	1 17	3 39	2 44	2 27	0 39	11 1	1 57	30 41	14 47	14 24	14 13	27 35		n.a.	
W12	16 40	26 23	3 19	20 10	0 14	19 12	0 15	25 5	1 25	10 55	1 17	3 38	2 44	2 26	0 39	11 0	1 57	30 41	14 47	14 23	14 12	27 36		n.a.	
T 13	16 58	28 0	4 16	19 40	0n 5	19 33	0 17	25 3	1 25	10 52	1 17	3 36	2 44	2 26	0 39	11 0	1 57	30 40	14 47	14 23	14 11	27 37		n.a.	
F 14	17 16	27 36	4 55	19 6	0 25	19 53	0 20	25 1	1 25	10 49	1 18	3 35	2 43	2 25	0 39	10 59	1 57	30 40	14 47	14 23	14 10	27 37		n.a.	
S 15	17 33	25 21	5 14	18 30	0 46	20 13	0 22	24 58	1 24	10 47	1 18	3 34	2 43	2 24	0 39	10 58	1 57	30 39	14 46	14 23	14 9	27 38		n.a.	
S 16	17 50	21 36	5 15	17 52	1 6	20 33	0 24	24 55	1 24	10 44	1 18	3 33	2 43	2 24	0 39	10 58	1 57	30 39	14 46	14 22	14 8	27 39		n.a.	
M17	18 7	16 46	4 57	17 13	1 26	20 51	0 27	24 52	1 24	10 42	1 18	3 31	2 43	2 23	0 39	10 57	1 57	30 39	14 46	14 22	14 7	27 40		n.a.	
T 18	18 23	11 14	4 23	16 33	1 45	21 10	0 29	24 48	1 23	10 39	1 19	3 30	2 43	2 23	0 39	10 57	1 57	30 38	14 45	14 23	14 6	27 40		n.a.	
W19	18 39	5 20	3 37	15 55	2 2	21 27	0 31	24 44	1 23	10 37	1 19	3 29	2 42	2 22	0 38	10 56	1 57	30 38	14 45	14 23	14 5	27 41		n.a.	
T 20	18 55	0s40	2 40	15 18	2 17	21 44	0 34	24 40	1 23	10 35	1 19	3 28	2 42	2 21	0 38	10 56	1 57	30 37	14 45	14 23	14 4	27 42		n.a.	
F 21	19 10	6 32	1 37	14 45	2 30	22 0	0 36	24 36	1 22	10 32	1 19	3 27	2 42	2 21	0 38	10 55	1 57	30 37	14 44	14 24	14 3	27 42		n.a.	
S 22	19 25	12 5	0 30	14 16	2 41	22 16	0 38	24 31	1 22	10 30	1 20	3 26	2 42	2 20	0 38	10 55	1 57	30 36	14 44	14 24	14 2	27 43		n.a.	
S 23	19 40	17 6	0s37	13 52	2 49	22 31	0 40	24 26	1 21	10 28	1 20	3 25	2 41	2 20	0 38	10 54	1 57	30 36	14 44	14 24	14 1	27 44		n.a.	
M24	19 54	21 23	1 42	13 32	2 55	22 46	0 43	24 21	1 21	10 26	1 20	3 24	2 41	2 19	0 38	10 54	1 57	30 35	14 43	14 24	14 0	27 44		n.a.	
T 25	20 8	24 44	2 42	13 17	2 59	22 59	0 45	24 15	1 21	10 24	1 21	3 23	2 41	2 19	0 38	10 53	1 57	30 35	14 43	14 23	13 59	27 45		n.a.	
W26	20 21	26 59	3 34	13 8	3 2	23 12	0 47	24 10	1 20	10 22	1 21	3 22	2 41	2 18	0 38	10 53	1 57	30 35	14 43	14 22	13 58	27 46		n.a.	
T 27	20 34	28 0	4 16	13 3	3 2	23 25	0 49	24 4	1 20	10 20	1 21	3 22	2 40	2 18	0 38	10 52	1 57	30 34	14 42	14 21	13 57	27 46		n.a.	
F 28	20 47	27 43	4 48	13 3	3 1	23 36	0 51	23 57	1 19	10 18	1 21	3 21	2 40	2 17	0 38	10 52	1 57	30 34	14 42	14 19	13 55	27 47		n.a.	
S 29	20 59	26 11	5 7	13 6	2 58	23 47	0 53	23 51	1 19	10 16	1 22	3 20	2 40	2 17	0 38	10 51	1 56	30 33	14 42	14 18	13 54	27 48		n.a.	
S 30	21s11	23s28	5s14	13s14	2n55	23s57	0s55	23s44	1s18	10n15	1n22	3n20	2s40	2n17	0s38	10n51	1s56	30s33	14s42	14n17	13n53	27s48		n.a.	

Julian Day Number = 1569418.5, Delta T = 04h18m43s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'10, Lahiri = - 9°42'10 Julian Calendar 1 Nov. 417 BCE == Greg. Calendar 27 Oct. 417 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 417 BCE
geocentric

DECEMBER 417 BCE (-416) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 18 54	4♐50'10	20♒24	13♏32	17♐37	19♑22	7♍17	14°R25	7°R 6	2°R59	14♒53	7°R44	6♉32	28♐47	n.a.	M 1
T 2	4 22 50	5°51'26	2♓45	14° 0	18°52	20° 9	7°22	14♈23	7♈ 5	2♉58	14°54	7°D43	6°29	28°53	n.a.	T 2
W 3	4 26 47	6°52'41	15°24	14°34	20° 7	20°55	7°27	14°21	7° 4	2°56	14°54	7♉43	6°26	29° 0	n.a.	W 3
T 4	4 30 43	7°53'57	28°25	15°14	21°23	21°42	7°31	14°19	7° 3	2°55	14°55	7°44	6°23	29° 7	n.a.	T 4
F 5	4 34 40	8°55'11	11♈51	16° 0	22°38	22°28	7°36	14°18	7° 2	2°54	14°56	7°46	6°20	29°13	n.a.	F 5
S 6	4 38 36	9°56'25	25°46	16°49	23°53	23°15	7°40	14°16	7° 1	2°52	14°57	7°48	6°16	29°20	n.a.	S 6
S 7	4 42 33	10°57'39	10♉ 8	17°43	25° 8	24° 1	7°44	14°14	7° 1	2°51	14°58	7°R48	6°13	29°27	n.a.	S 7
M 8	4 46 30	11°58'52	24°55	18°41	26°23	24°48	7°48	14°13	7° 0	2°50	14°58	7°47	6°10	29°33	n.a.	M 8
T 9	4 50 26	13° 0'04	10♊ 1	19°42	27°39	25°34	7°52	14°11	6°59	2°49	14°59	7°44	6° 7	29°40	n.a.	T 9
W10	4 54 23	14° 1'16	25°16	20°46	28°54	26°20	7°55	14°10	6°59	2°47	15° 0	7°40	6° 4	29°47	n.a.	W10
T 11	4 58 19	15° 2'28	10♋31	21°52	0♑ 9	27° 7	7°59	14° 9	6°58	2°46	15° 1	7°34	6° 0	29°54	n.a.	T 11
F 12	5 2 16	16° 3'40	25°34	23° 1	1°24	27°53	8° 2	14° 8	6°58	2°45	15° 2	7°28	5°57	0♑ 0	n.a.	F 12
S 13	5 6 12	17° 4'51	10♌17	24°12	2°39	28°40	8° 5	14° 7	6°57	2°44	15° 3	7°23	5°54	0° 7	n.a.	S 13
S 14	5 10 9	18° 6'01	24°35	25°25	3°54	29°26	8° 8	14° 6	6°57	2°43	15° 4	7°19	5°51	0°14	n.a.	S 14
M15	5 14 6	19° 7'11	8♍25	26°39	5° 9	0♒12	8°11	14° 5	6°57	2°42	15° 5	7°16	5°48	0°20	n.a.	M15
T 16	5 18 2	20° 8'21	21°48	27°56	6°24	0°59	8°13	14° 5	6°56	2°41	15° 6	7°D16	5°45	0°27	n.a.	T 16
W17	5 21 59	21° 9'30	4♎46	29°13	7°39	1°45	8°15	14° 4	6°56	2°40	15° 7	7°16	5°41	0°34	n.a.	W17
T 18	5 25 55	22°10'39	17°24	0♐32	8°54	2°31	8°17	14° 4	6°56	2°39	15° 8	7°18	5°38	0°40	n.a.	T 18
F 19	5 29 52	23°11'48	29°46	1°52	10° 9	3°17	8°19	14° 4	6°56	2°38	15° 9	7°19	5°35	0°47	n.a.	F 19
S 20	5 33 48	24°12'55	11♏55	3°14	11°24	4° 4	8°21	14° 4	6°56	2°37	15°10	7°R19	5°32	0°54	n.a.	S 20
S 21	5 37 45	25°14'02	23°55	4°36	12°39	4°50	8°23	14°D 4	6°D56	2°36	15°11	7°18	5°29	1° 1	n.a.	S 21
M22	5 41 41	26°15'09	5♐50	6° 0	13°54	5°36	8°24	14° 4	6°56	2°35	15°12	7°14	5°26	1° 7	n.a.	M22
T 23	5 45 38	27°16'14	17°41	7°24	15° 9	6°22	8°25	14° 4	6°56	2°34	15°13	7° 7	5°22	1°14	n.a.	T 23
W24	5 49 35	28°17'19	29°32	8°49	16°24	7° 8	8°26	14° 4	6°56	2°33	15°14	6°58	5°19	1°21	n.a.	W24
T 25	5 53 31	29°18'23	11♑23	10°15	17°39	7°55	8°27	14° 5	6°56	2°33	15°15	6°48	5°16	1°27	n.a.	T 25
F 26	5 57 28	0♑19'25	23°15	11°42	18°54	8°41	8°28	14° 5	6°57	2°32	15°17	6°37	5°13	1°34	n.a.	F 26
S 27	6 1 24	1°20'27	5♒12	13°10	20° 9	9°27	8°28	14° 6	6°57	2°31	15°18	6°26	5°10	1°41	n.a.	S 27
S 28	6 5 21	2°21'27	17°14	14°39	21°24	10°13	8°28	14° 7	6°57	2°30	15°19	6°16	5° 6	1°47	n.a.	S 28
M29	6 9 17	3°22'25	29°23	16° 8	22°38	10°59	8°R28	14° 8	6°58	2°30	15°20	6° 9	5° 3	1°54	n.a.	M29
T 30	6 13 14	4°23'23	11♓44	17°38	23°53	11°45	8°28	14° 9	6°58	2°29	15°21	6° 4	5° 0	2° 1	n.a.	T 30
W31	6 17 10	5♑24'18	24♓19	19♐ 9	25♑ 8	12♒31	8♍28	14♈10	6♈59	2♉29	15♒23	6♉ 1	4♉57	2♑ 8	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	21 s23	19 s42	5 s 6	13 s24	2n50	24 s 7	0 s57	23 s37	1 s18	10n13	1n22	3n19	2 s39	2n16	0 s38	10n51	1 s56	30 s32	14 s41	14n16	13n52	27 s49			n.a.
T 2	21 34	15 2	4 44	13 38	2 45	24 15	0 59	23 29	1 17	10 11	1 23	3 18	2 39	2 16	0 38	10 50	1 56	30 32	14 41	14 16	13 51	27 49			n.a.
W 3	21 44	9 38	4 9	13 54	2 39	24 23	1 1	23 22	1 17	10 10	1 23	3 18	2 39	2 16	0 38	10 50	1 56	30 31	14 41	14 16	13 50	27 50			n.a.
T 4	21 54	3 41	3 19	14 12	2 32	24 30	1 3	23 14	1 16	10 8	1 23	3 17	2 38	2 15	0 38	10 49	1 56	30 31	14 40	14 16	13 49	27 51			n.a.
F 5	22 4	2n39	2 17	14 32	2 25	24 37	1 5	23 6	1 16	10 7	1 23	3 17	2 38	2 15	0 38	10 49	1 56	30 30	14 40	14 17	13 48	27 51			n.a.
S 6	22 14	9 4	1 5	14 53	2 17	24 43	1 6	22 57	1 16	10 6	1 24	3 16	2 38	2 15	0 38	10 48	1 56	30 30	14 40	14 17	13 47	27 52			n.a.
S 7	22 23	15 15	0n13	15 16	2 9	24 47	1 8	22 49	1 15	10 4	1 24	3 16	2 38	2 14	0 38	10 48	1 56	30 29	14 39	14 17	13 46	27 52			n.a.
M 8	22 31	20 44	1 32	15 40	2 1	24 52	1 10	22 40	1 15	10 3	1 24	3 16	2 37	2 14	0 38	10 48	1 56	30 29	14 39	14 17	13 45	27 53			n.a.
T 9	22 39	24 59	2 47	16 4	1 53	24 55	1 11	22 31	1 14	10 2	1 25	3 16	2 37	2 14	0 38	10 47	1 56	30 28	14 39	14 16	13 44	27 53			n.a.
W10	22 47	27 29	3 50	16 29	1 45	24 58	1 13	22 21	1 14	10 1	1 25	3 15	2 37	2 14	0 38	10 47	1 56	30 27	14 39	14 15	13 43	27 54			n.a.
T 11	22 54	27 55	4 37	16 55	1 36	24 59	1 15	22 12	1 13	10 0	1 25	3 15	2 36	2 14	0 38	10 47	1 56	30 27	14 38	14 13	13 42	27 54			n.a.
F 12	23 0	26 16	5 4	17 21	1 28	25 0	1 16	22 2	1 12	9 59	1 25	3 15	2 36	2 13	0 38	10 46	1 56	30 26	14 38	14 11	13 41	27 55			n.a.
S 13	23 7	22 51	5 10	17 47	1 19	25 1	1 17	21 52	1 12	9 58	1 26	3 15	2 36	2 13	0 38	10 46	1 56	30 26	14 38	14 9	13 40	27 56			n.a.
S 14	23 12	18 8	4 56	18 13	1 11	25 0	1 19	21 42	1 11	9 57	1 26	3 15	2 35	2 13	0 38	10 46	1 56	30 25	14 38	14 8	13 38	27 56			n.a.
M15	23 18	12 37	4 26	18 39	1 2	24 59	1 20	21 31	1 11	9 57	1 26	3 15	2 35	2 13	0 38	10 45	1 56	30 25	14 37	14 7	13 37	27 57			n.a.
T 16	23 23	6 41	3 42	19 5	0 54	24 57	1 21	21 21	1 10	9 56	1 27	3 15	2 35	2 13	0 38	10 45	1 56	30 24	14 37	14 7	13 36	27 57			n.a.
W17	23 27	0 38	2 47	19 30	0 46	24 54	1 23	21 10	1 10	9 55	1 27	3 15	2 34	2 13	0 37	10 45	1 56	30 24	14 37	14 7	13 35	27 58			n.a.
T 18	23 31	5 s18	1 46	19 55	0 37	24 50	1 24	20 58	1 9	9 55	1 27	3 15	2 34	2 13	0 37	10 44	1 56	30 23	14 37	14 7	13 34	27 58			n.a.
F 19	23 34	10 54	0 41	20 20	0 29	24 46	1 25	20 47	1 9	9 54	1 28	3 15	2 34	2 13	0 37	10 44	1 56	30 22	14 36	14 8	13 33	27 58			n.a.
S 20	23 37	16 0	0 s25	20 44	0 21	24 41	1 26	20 36	1 8	9 54	1 28	3 16	2 34	2 13	0 37	10 44	1 55	30 22	14 36	14 8	13 32	27 59			n.a.
S 21	23 40	20 25	1 28	21 7	0 13	24 35	1 27	20 24	1 8	9 54	1 28	3 16	2 33	2 13	0 37	10 44	1 55	30 21	14 36	14 7	13 31	27 59			n.a.
M22	23 42	23 58	2 27	21 30	0 5	24 28	1 28	20 12	1 7	9 53	1 29	3 16	2 33	2 13	0 37	10 43	1 55	30 21	14 36	14 6	13 30	28 0			n.a.
T 23	23 43	26 29	3 20	21 52	0 s 3	24 21	1 29	20 0	1 7	9 53	1 29	3 17	2 33	2 13	0 37	10 43	1 55	30 20	14 35	14 4	13 29	28 0			n.a.
W24	23 44	27 48	4 3	22 13	0 10	24 12	1 30	19 47	1 6	9 53	1 29	3 17	2 32	2 13	0 37	10 43	1 55	30 20	14 35	14 1	13 28	28 1			n.a.
T 25	23 45	27 50	4 36	22 34	0 18	24 3	1 30	19 35	1 5	9 53	1 29	3 17	2 32	2 13	0 37	10 43	1 55	30 19	14 35	13 58	13 27	28 1			n.a.
F 26	23 45	26 35	4 57	22 53	0 25	23 54	1 31	19 22	1 5	9 53	1 30	3 18	2 32	2 13	0 37	10 42	1 55	30 18	14 35	13 54	13 26	28 1			n.a.
S 27	23 44	24 8	5 5	23 12	0 32	23 43	1 32	19 9	1 4	9 53	1 30	3 19	2 31	2 14	0 37	10 42	1 55	30 18	14 34	13 50	13 25	28 2			n.a.
S 28	23 44	20 37	4 59	23 29	0 39	23 32	1 32	18 56	1 4	9 53	1 30	3 19	2 31	2 14	0 37	10 42	1 55	30 17	14 34	13 47	13 23	28 2			n.a.
M29	23 42	16 12	4 40	23 46	0 45	23 20	1 33	18 43	1 3	9 54	1 31	3 20	2 31	2 14	0 37	10 42	1 55	30 17	14 34	13 44	13 22	28 3			n.a.
T 30	23 40	11 4	4 8	24 1	0 52	23 8	1 33	18 29	1 2	9 54	1 31	3 20	2 30	2 14	0 37	10 42	1 55	30 16	14 34	13 43	13 21	28 3			n.a.
W31	23 s38	5 s23	3 s23	24 s15	0 s58	22 s55	1 s33	18 s15	1 s 2	9n55	1n31	3n21	2 s30	2n14	0 s37	10n42	1 s55	30 s16	14 s34	13n42	13n20	28 s 3			n.a.

Julian Day Number = 1569448.5, Delta T = 04h18m42s
Ecliptic obliquity = 23°44'51, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'06, Lahiri = - 9°42'06 Julian Calendar 1 Dec. 417 BCE == Greg. Calendar 26 Nov. 417 BCE

The year -416 astronomical counting style corresponds to year 417 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

JANUARY 416 BCE (-415) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 21 7	6♉25'12	7♈13	20♐40	26♉23	13♒17	8°R27	14♈11	6♈59	2°R28	15♒24	6°D 0	4♉54	2♉14	n.a.	T 1
F 2	6 25 4	7°26'05	20°29	22°13	27°38	14° 2	8♍27	14°12	7° 0	2♉27	15°25	6♉ 1	4°51	2°21	n.a.	F 2
S 3	6 29 0	8°26'56	4♉11	23°46	28°52	14°48	8°26	14°14	7° 1	2°27	15°27	6°R 1	4°47	2°28	n.a.	S 3
S 4	6 32 57	9°27'46	18°20	25°19	0♒ 7	15°34	8°25	14°15	7° 1	2°26	15°28	6° 1	4°44	2°34	n.a.	S 4
M 5	6 36 53	10°28'33	2♊56	26°54	1°22	16°20	8°23	14°17	7° 2	2°26	15°29	5°58	4°41	2°41	n.a.	M 5
T 6	6 40 50	11°29'20	17°56	28°29	2°36	17° 6	8°22	14°19	7° 3	2°26	15°31	5°53	4°38	2°48	n.a.	T 6
W 7	6 44 46	12°30'05	3♋11	0♉ 5	3°51	17°51	8°20	14°21	7° 4	2°25	15°32	5°45	4°35	2°54	n.a.	W 7
T 8	6 48 43	13°30'48	18°32	1°42	5° 5	18°37	8°18	14°23	7° 5	2°25	15°33	5°35	4°32	3° 1	n.a.	T 8
F 9	6 52 40	14°31'30	3♌46	3°20	6°20	19°23	8°16	14°25	7° 6	2°25	15°35	5°24	4°28	3° 8	n.a.	F 9
S 10	6 56 36	15°32'10	18°43	4°58	7°34	20° 8	8°14	14°27	7° 7	2°24	15°36	5°14	4°25	3°15	n.a.	S 10
S 11	7 0 33	16°32'49	3♍16	6°38	8°49	20°54	8°12	14°30	7° 8	2°24	15°37	5° 6	4°22	3°21	n.a.	S 11
M12	7 4 29	17°33'26	17°18	8°18	10° 3	21°39	8° 9	14°32	7° 9	2°24	15°39	5° 0	4°19	3°28	n.a.	M12
T 13	7 8 26	18°34'03	0♎50	9°59	11°18	22°25	8° 6	14°35	7°10	2°24	15°40	4°56	4°16	3°35	n.a.	T 13
W14	7 12 22	19°34'37	13°53	11°41	12°32	23°10	8° 3	14°37	7°11	2°24	15°42	4°55	4°12	3°41	n.a.	W14
T 15	7 16 19	20°35'11	26°32	13°23	13°46	23°56	8° 0	14°40	7°13	2°24	15°43	4°D55	4° 9	3°48	n.a.	T 15
F 16	7 20 15	21°35'43	8♏52	15° 7	15° 1	24°41	7°57	14°43	7°14	2°24	15°45	4°R55	4° 6	3°55	n.a.	F 16
S 17	7 24 12	22°36'14	20°56	16°52	16°15	25°27	7°53	14°46	7°15	2°D23	15°46	4°54	4° 3	4° 1	n.a.	S 17
S 18	7 28 8	23°36'43	2♐52	18°37	17°29	26°12	7°49	14°49	7°17	2°23	15°47	4°51	4° 0	4° 8	n.a.	S 18
M19	7 32 5	24°37'10	14°42	20°24	18°43	26°57	7°46	14°52	7°18	2°24	15°49	4°45	3°57	4°15	n.a.	M19
T 20	7 36 2	25°37'37	26°31	22°11	19°58	27°42	7°42	14°55	7°20	2°24	15°50	4°36	3°53	4°22	n.a.	T 20
W21	7 39 58	26°38'01	8♉21	23°59	21°12	28°28	7°37	14°59	7°21	2°24	15°52	4°24	3°50	4°28	n.a.	W21
T 22	7 43 55	27°38'24	20°14	25°48	22°26	29°13	7°33	15° 2	7°23	2°24	15°53	4°10	3°47	4°35	n.a.	T 22
F 23	7 47 51	28°38'45	2♒13	27°39	23°40	29°58	7°28	15° 6	7°25	2°24	15°55	3°56	3°44	4°42	n.a.	F 23
S 24	7 51 48	29°39'04	14°17	29°30	24°54	0♓43	7°24	15°10	7°26	2°24	15°56	3°41	3°41	4°48	n.a.	S 24
S 25	7 55 44	0♒39'21	26°29	1♒22	26° 8	1°28	7°19	15°13	7°28	2°25	15°58	3°28	3°38	4°55	n.a.	S 25
M26	7 59 41	1°39'36	8♓49	3°14	27°22	2°13	7°14	15°17	7°30	2°25	16° 0	3°17	3°34	5° 2	n.a.	M26
T 27	8 3 38	2°39'48	21°18	5° 8	28°36	2°58	7° 9	15°21	7°32	2°25	16° 1	3° 9	3°31	5° 9	n.a.	T 27
W28	8 7 34	3°39'59	3♈59	7° 2	29°50	3°43	7° 3	15°25	7°34	2°26	16° 3	3° 4	3°28	5°15	n.a.	W28
T 29	8 11 31	4°40'08	16°55	8°57	1♓ 3	4°28	6°58	15°29	7°36	2°26	16° 4	3° 2	3°25	5°22	n.a.	T 29
F 30	8 15 27	5°40'14	0♉ 8	10°52	2°17	5°13	6°52	15°34	7°38	2°26	16° 6	3° 2	3°22	5°29	n.a.	F 30
S 31	8 19 24	6♒40'18	13♉41	12♒48	3♓31	5♓57	6♍47	15♈38	7♈40	2♉27	16♒ 7	3♉ 1	3♉18	5♉35	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23s35	0n39	2s27	24s29	1s 4	22s41	1s34	18s 2	1s 1	9n55	1n32	3n22	2s30	2n15	0s37	10n41	1s55	30s15	14s33	13n42	13n19	28s 4			n.a.
F 2	23 32	6 50	1 22	24 40	1 10	22 26	1 34	17 48	1 1	9 56	1 32	3 23	2 29	2 15	0 37	10 41	1 55	30 14	14 33	13 42	13 18	28 4			n.a.
S 3	23 28	12 55	0 10	24 51	1 15	22 11	1 34	17 33	1 0	9 56	1 32	3 24	2 29	2 15	0 37	10 41	1 55	30 14	14 33	13 42	13 17	28 4			n.a.
S 4	23 24	18 33	1n 5	25 0	1 20	21 55	1 34	17 19	0 59	9 57	1 32	3 25	2 29	2 16	0 37	10 41	1 55	30 13	14 33	13 42	13 16	28 5			n.a.
M 5	23 20	23 16	2 18	25 8	1 25	21 38	1 34	17 5	0 59	9 58	1 33	3 26	2 28	2 16	0 37	10 41	1 54	30 13	14 33	13 41	13 15	28 5			n.a.
T 6	23 15	26 34	3 23	25 14	1 30	21 21	1 34	16 50	0 58	9 59	1 33	3 27	2 28	2 16	0 37	10 41	1 54	30 12	14 33	13 39	13 14	28 5			n.a.
W 7	23 9	27 58	4 15	25 19	1 35	21 3	1 34	16 35	0 58	9 59	1 33	3 28	2 28	2 17	0 37	10 41	1 54	30 11	14 32	13 36	13 13	28 6			n.a.
T 8	23 3	27 13	4 49	25 23	1 39	20 45	1 34	16 20	0 57	10 0	1 34	3 29	2 28	2 17	0 37	10 41	1 54	30 11	14 32	13 33	13 12	28 6			n.a.
F 9	22 57	24 27	5 2	25 25	1 43	20 26	1 33	16 5	0 56	10 1	1 34	3 30	2 27	2 18	0 37	10 41	1 54	30 10	14 32	13 29	13 11	28 6			n.a.
S 10	22 50	20 3	4 54	25 25	1 46	20 6	1 33	15 50	0 56	10 3	1 34	3 31	2 27	2 18	0 37	10 41	1 54	30 10	14 32	13 26	13 9	28 7			n.a.
S 11	22 42	14 34	4 27	25 24	1 49	19 46	1 32	15 35	0 55	10 4	1 35	3 32	2 27	2 18	0 37	10 41	1 54	30 9	14 32	13 23	13 8	28 7			n.a.
M12	22 35	8 31	3 44	25 21	1 52	19 26	1 32	15 20	0 55	10 5	1 35	3 33	2 26	2 19	0 37	10 41	1 54	30 8	14 32	13 21	13 7	28 7			n.a.
T 13	22 27	2 16	2 50	25 16	1 55	19 4	1 31	15 4	0 54	10 6	1 35	3 35	2 26	2 19	0 36	10 41	1 54	30 8	14 32	13 20	13 6	28 7			n.a.
W14	22 18	3s53	1 49	25 10	1 57	18 43	1 31	14 48	0 53	10 8	1 35	3 36	2 26	2 20	0 36	10 41	1 54	30 7	14 31	13 20	13 5	28 8			n.a.
T 15	22 9	9 41	0 44	25 2	1 59	18 20	1 30	14 33	0 53	10 9	1 36	3 37	2 25	2 21	0 36	10 41	1 54	30 7	14 31	13 20	13 4	28 8			n.a.
F 16	21 59	14 58	0s21	24 52	2 0	17 58	1 29	14 17	0 52	10 11	1 36	3 39	2 25	2 21	0 36	10 41	1 54	30 6	14 31	13 20	13 3	28 8			n.a.
S 17	21 50	19 34	1 24	24 40	2 1	17 34	1 28	14 1	0 51	10 12	1 36	3 40	2 25	2 22	0 36	10 41	1 54	30 6	14 31	13 19	13 2	28 8			n.a.
S 18	21 39	23 19	2 22	24 27	2 2	17 11	1 27	13 44	0 51	10 14	1 37	3 42	2 25	2 22	0 36	10 41	1 54	30 5	14 31	13 18	13 1	28 9			n.a.
M19	21 29	26 4	3 14	24 11	2 2	16 46	1 26	13 28	0 50	10 16	1 37	3 43	2 24	2 23	0 36	10 41	1 54	30 4	14 31	13 16	13 0	28 9			n.a.
T 20	21 17	27 39	3 57	23 54	2 1	16 22	1 25	13 12	0 49	10 17	1 37	3 45	2 24	2 24	0 36	10 41	1 53	30 4	14 31	13 13	12 59	28 9			n.a.
W21	21 6	27 58	4 29	23 34	2 1	15 57	1 24	12 55	0 49	10 19	1 37	3 46	2 24	2 24	0 36	10 41	1 53	30 3	14 31	13 9	12 57	28 9			n.a.
T 22	20 54	26 59	4 51	23 13	1 59	15 31	1 23	12 39	0 48	10 21	1 38	3 48	2 23	2 25	0 36	10 41	1 53	30 3	14 31	13 4	12 56	28 10			n.a.
F 23	20 42	24 46	4 59	22 49	1 58	15 5	1 22	12 22	0 48	10 23	1 38	3 50	2 23	2 26	0 36	10 42	1 53	30 2	14 31	12 59	12 55	28 10			n.a.
S 24	20 29	21 26	4 54	22 24	1 55	14 39	1 20	12 5	0 47	10 25	1 38	3 51	2 23	2 26	0 36	10 42	1 53	30 2	14 30	12 54	12 54	28 10			n.a.
S 25	20 16	17 10	4 36	21 56	1 52	14 12	1 19	11 49	0 46	10 27	1 38	3 53	2 22	2 27	0 36	10 42	1 53	30 1	14 30	12 50	12 53	28 10			n.a.
M26	20 3	12 8	4 4	21 27	1 49	13 45	1 17	11 32	0 46	10 29	1 39	3 55	2 22	2 28	0 36	10 42	1 53	30 1	14 30	12 46	12 52	28 10			n.a.
T 27	19 49	6 34	3 21	20 56	1 45	13 18	1 16	11 15	0 45	10 31	1 39	3 57	2 22	2 29	0 36	10 42	1 53	30 0	14 30	12 43	12 51	28 10			n.a.
W28	19 35	0 38	2 27	20 22	1 40	12 50	1 14	10 58	0 44	10 34	1 39	3 58	2 22	2 29	0 36	10 42	1 53	29 59	14 30	12 42	12 50	28 10			n.a.
T 29	19 21	5n26	1 24	19 47	1 35	12 22	1 13	10 40	0 44	10 36	1 39	4 0	2 21	2 30	0 36	10 43	1 53	29 59	14 30	12 41	12 49	28 11			n.a.
F 30	19 6	11 25	0 15	19 10	1 29	11 54	1 11	10 23	0 43	10 38	1 39	4 2	2 21	2 31	0 36	10 43	1 53	29 58	14 30	12 41	12 48	28 11			n.a.
S 31	18s51	17n 2	0n56	18s31	1s23	11s25	1s 9	10s 6	0s42	10n41	1n40	4n 4	2s21	2n32	0s36	10n43	1s53	29s58	14s30	12n41	12n47	28s11			n.a.

Julian Day Number = 1569479.5, Delta T = 04h18m41s
Ecliptic obliquity = 23°44'51, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°49'02, Lahiri = - 9°42'01 Julian Calendar 1 Jan. 416 BCE == Greg. Calendar 27 Dec. 417 BCE

The year -415 astronomical counting style corresponds to year 416 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

FEBRUARY 416 BCE (-415) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 23 20	7♒40'20	27♉37	14♒44	4♓45	6♓42	6°R41	15♈42	7♈42	2♉27	16♒ 9	3°R 0	3♉15	5♂42	n.a.	S 1
M 2	8 27 17	8°40'19	11♊57	16°40	5°58	7°27	6♍35	15°47	7°44	2°28	16°10	2♉58	3°12	5°49	n.a.	M 2
T 3	8 31 13	9°40'16	26°38	18°36	7°12	8°12	6°29	15°52	7°46	2°28	16°12	2°52	3° 9	5°56	n.a.	T 3
W 4	8 35 10	10°40'11	11♋35	20°32	8°25	8°56	6°23	15°56	7°48	2°29	16°14	2°44	3° 6	6° 2	n.a.	W 4
T 5	8 39 7	11°40'04	26°42	22°26	9°39	9°41	6°16	16° 1	7°50	2°30	16°15	2°33	3° 3	6° 9	n.a.	T 5
F 6	8 43 3	12°39'55	11♌48	24°20	10°52	10°25	6°10	16° 6	7°53	2°30	16°17	2°22	2°59	6°16	n.a.	F 6
S 7	8 47 0	13°39'43	26°42	26°12	12° 6	11°10	6° 3	16°11	7°55	2°31	16°18	2°11	2°56	6°22	n.a.	S 7
S 8	8 50 56	14°39'30	11♍16	28° 3	13°19	11°54	5°56	16°16	7°57	2°32	16°20	2° 1	2°53	6°29	n.a.	S 8
M 9	8 54 53	15°39'14	25°24	29°51	14°32	12°38	5°50	16°21	8° 0	2°32	16°21	1°54	2°50	6°36	n.a.	M 9
T 10	8 58 49	16°38'57	9♎ 2	1♓36	15°45	13°23	5°43	16°26	8° 2	2°33	16°23	1°50	2°47	6°42	n.a.	T 10
W11	9 2 46	17°38'37	22°13	3°19	16°59	14° 7	5°36	16°31	8° 4	2°34	16°25	1°48	2°44	6°49	n.a.	W11
T 12	9 6 42	18°38'16	4♏57	4°57	18°12	14°51	5°29	16°37	8° 7	2°35	16°26	1°D48	2°40	6°56	n.a.	T 12
F 13	9 10 39	19°37'53	17°20	6°32	19°25	15°35	5°22	16°42	8° 9	2°36	16°28	1°R48	2°37	7° 3	n.a.	F 13
S 14	9 14 35	20°37'28	29°27	8° 1	20°38	16°20	5°14	16°48	8°12	2°37	16°29	1°48	2°34	7° 9	n.a.	S 14
S 15	9 18 32	21°37'02	11♐24	9°26	21°51	17° 4	5° 7	16°53	8°14	2°38	16°31	1°46	2°31	7°16	n.a.	S 15
M16	9 22 29	22°36'33	23°14	10°45	23° 4	17°48	5° 0	16°59	8°17	2°39	16°32	1°41	2°28	7°23	n.a.	M16
T 17	9 26 25	23°36'03	5♑ 4	11°58	24°16	18°32	4°52	17° 5	8°20	2°40	16°34	1°35	2°24	7°29	n.a.	T 17
W18	9 30 22	24°35'30	16°56	13° 5	25°29	19°16	4°45	17°10	8°22	2°41	16°36	1°25	2°21	7°36	n.a.	W18
T 19	9 34 18	25°34'56	28°54	14° 5	26°42	20° 0	4°37	17°16	8°25	2°42	16°37	1°14	2°18	7°43	n.a.	T 19
F 20	9 38 15	26°34'19	10♒59	14°58	27°55	20°43	4°30	17°22	8°28	2°43	16°39	1° 2	2°15	7°50	n.a.	F 20
S 21	9 42 11	27°33'41	23°14	15°44	29° 7	21°27	4°22	17°28	8°31	2°44	16°40	0°49	2°12	7°56	n.a.	S 21
S 22	9 46 8	28°33'00	5♓39	16°23	0♈20	22°11	4°14	17°34	8°33	2°45	16°42	0°38	2° 9	8° 3	n.a.	S 22
M23	9 50 4	29°32'17	18°14	16°54	1°32	22°55	4° 7	17°40	8°36	2°46	16°43	0°29	2° 5	8°10	n.a.	M23
T 24	9 54 1	0♓31'32	1♈ 0	17°18	2°44	23°38	3°59	17°46	8°39	2°48	16°45	0°23	2° 2	8°16	n.a.	T 24
W25	9 57 58	1°30'44	13°57	17°34	3°57	24°22	3°51	17°53	8°42	2°49	16°46	0°19	1°59	8°23	n.a.	W25
T 26	10 1 54	2°29'54	27° 6	17°43	5° 9	25° 6	3°44	17°59	8°45	2°50	16°48	0°D18	1°56	8°30	n.a.	T 26
F 27	10 5 51	3°29'02	10♉29	17°R44	6°21	25°49	3°36	18° 5	8°48	2°51	16°49	0°18	1°53	8°37	n.a.	F 27
S 28	10 9 47	4♓28'07	24♉ 5	17♓38	7♈33	26♓33	3♍28	18♈12	8♈51	2♉53	16♒51	0♉19	1♉49	8♂43	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	18s35	21n55	2n 6	17s50	1s16	10s56	1s 7	9s48	0s42	10n43	1n40	4n 6	2s21	2n33	0s36	10n43	1s53	29s57	14s30	12n40	12n45	28s11			n.a.
M 2	18 20	25 39	3 10	17 7	1 8	10 27	1 5	9 31	0 41	10 45	1 40	4 8	2 20	2 33	0 36	10 43	1 53	29 57	14 30	12 39	12 44	28 11			n.a.
T 3	18 3	27 45	4 3	16 23	1 0	9 57	1 3	9 14	0 40	10 48	1 40	4 10	2 20	2 34	0 36	10 44	1 52	29 56	14 30	12 37	12 43	28 11			n.a.
W 4	17 47	27 53	4 40	15 38	0 51	9 28	1 1	8 56	0 40	10 50	1 41	4 12	2 20	2 35	0 36	10 44	1 52	29 56	14 30	12 35	12 42	28 11			n.a.
T 5	17 30	25 58	4 59	14 51	0 41	8 58	0 59	8 38	0 39	10 53	1 41	4 14	2 19	2 36	0 36	10 44	1 52	29 55	14 30	12 31	12 41	28 11			n.a.
F 6	17 13	22 12	4 56	14 4	0 31	8 27	0 57	8 21	0 38	10 56	1 41	4 16	2 19	2 37	0 36	10 45	1 52	29 55	14 30	12 27	12 40	28 11			n.a.
S 7	16 56	17 3	4 34	13 15	0 20	7 57	0 55	8 3	0 38	10 58	1 41	4 19	2 19	2 38	0 36	10 45	1 52	29 54	14 30	12 23	12 39	28 11			n.a.
S 8	16 39	11 1	3 53	12 26	0 8	7 27	0 52	7 45	0 37	11 1	1 41	4 21	2 19	2 39	0 36	10 45	1 52	29 54	14 30	12 20	12 38	28 12			n.a.
M 9	16 21	4 36	3 0	11 37	0n 4	6 56	0 50	7 28	0 36	11 4	1 41	4 23	2 18	2 40	0 36	10 46	1 52	29 53	14 30	12 17	12 37	28 12			n.a.
T 10	16 3	1s50	1 57	10 47	0 16	6 25	0 48	7 10	0 36	11 6	1 42	4 25	2 18	2 41	0 36	10 46	1 52	29 53	14 30	12 16	12 36	28 12			n.a.
W11	15 45	7 59	0 51	9 58	0 29	5 54	0 45	6 52	0 35	11 9	1 42	4 27	2 18	2 42	0 36	10 46	1 52	29 52	14 30	12 15	12 34	28 12			n.a.
T 12	15 26	13 36	0s17	9 10	0 42	5 23	0 43	6 34	0 34	11 12	1 42	4 30	2 18	2 43	0 35	10 47	1 52	29 52	14 30	12 15	12 33	28 12			n.a.
F 13	15 7	18 32	1 22	8 23	0 55	4 51	0 40	6 16	0 34	11 15	1 42	4 32	2 18	2 44	0 35	10 47	1 52	29 51	14 30	12 15	12 32	28 12			n.a.
S 14	14 48	22 35	2 21	7 36	1 9	4 20	0 37	5 58	0 33	11 17	1 42	4 34	2 17	2 45	0 35	10 47	1 52	29 51	14 30	12 15	12 31	28 12			n.a.
S 15	14 29	25 38	3 14	6 52	1 22	3 48	0 35	5 40	0 32	11 20	1 42	4 37	2 17	2 46	0 35	10 48	1 52	29 50	14 30	12 14	12 30	28 12			n.a.
M16	14 9	27 31	3 57	6 9	1 36	3 17	0 32	5 22	0 32	11 23	1 42	4 39	2 17	2 47	0 35	10 48	1 52	29 50	14 30	12 13	12 29	28 12			n.a.
T 17	13 50	28 10	4 31	5 29	1 49	2 45	0 29	5 4	0 31	11 26	1 43	4 42	2 17	2 48	0 35	10 49	1 52	29 49	14 30	12 10	12 28	28 12			n.a.
W18	13 30	27 30	4 53	4 51	2 2	2 13	0 26	4 46	0 30	11 29	1 43	4 44	2 16	2 49	0 35	10 49	1 51	29 49	14 30	12 7	12 27	28 12			n.a.
T 19	13 9	25 34	5 2	4 16	2 15	1 41	0 24	4 28	0 30	11 32	1 43	4 46	2 16	2 50	0 35	10 49	1 51	29 48	14 30	12 3	12 26	28 12			n.a.
F 20	12 49	22 27	4 58	3 45	2 27	1 10	0 21	4 10	0 29	11 35	1 43	4 49	2 16	2 52	0 35	10 50	1 51	29 48	14 31	11 59	12 25	28 11			n.a.
S 21	12 29	18 20	4 40	3 16	2 38	0 38	0 18	3 52	0 28	11 38	1 43	4 51	2 16	2 53	0 35	10 50	1 51	29 48	14 31	11 55	12 23	28 11			n.a.
S 22	12 8	13 24	4 8	2 51	2 49	0 6	0 15	3 34	0 28	11 40	1 43	4 54	2 15	2 54	0 35	10 51	1 51	29 47	14 31	11 51	12 22	28 11			n.a.
M23	11 47	7 50	3 24	2 30	2 59	0n26	0 12	3 16	0 27	11 43	1 43	4 56	2 15	2 55	0 35	10 51	1 51	29 47	14 31	11 47	12 21	28 11			n.a.
T 24	11 26	1 53	2 30	2 12	3 8	0 58	0 9	2 58	0 26	11 46	1 43	4 59	2 15	2 56	0 35	10 52	1 51	29 46	14 31	11 45	12 20	28 11			n.a.
W25	11 4	4n15	1 26	1 59	3 15	1 30	0 6	2 40	0 26	11 49	1 43	5 2	2 15	2 57	0 35	10 52	1 51	29 46	14 31	11 44	12 19	28 11			n.a.
T 26	10 43	10 18	0 17	1 49	3 22	2 2	0 3	2 21	0 25	11 52	1 43	5 4	2 15	2 59	0 35	10 53	1 51	29 46	14 31	11 43	12 18	28 11			n.a.
F 27	10 21	16 1	0n54	1 44	3 27	2 34	0n 0	2 3	0 24	11 55	1 43	5 7	2 14	3 0	0 35	10 53	1 51	29 45	14 31	11 44	12 17	28 11			n.a.
S 28	10s 0	21n 2	2n 4	1s43	3n31	3n 5	0n 4	1s45	0s24	11n58	1n43	5n10	2s14	3n 1	0s35	10n54	1s51	29s45	14s31	11n44	12n16	28s11			n.a.

Julian Day Number = 1569510.5, Delta T = 04h18m40s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'58, Lahiri = - 9°41'57 Julian Calendar 1 Feb. 416 BCE == Greg. Calendar 27 Jan. 416 BCE

The year -415 astronomical counting style corresponds to year 416 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

MARCH 416 BCE (-415) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 13 44	5♓27'10	7♊58	17°R25	8♈45	27♓16	3°R20	18♈18	8♈54	2♉54	16♒52	0°R20	1♉46	8♉50	n.a.	S 1
M 2	10 17 40	6°26'11	22° 6	17♓ 6	9°57	27°59	3♍13	18°25	8°57	2°56	16°54	0♉18	1°43	8°57	n.a.	M 2
T 3	10 21 37	7°25'09	6♋29	16°40	11° 9	28°43	3° 5	18°31	9° 0	2°57	16°55	0°15	1°40	9° 3	n.a.	T 3
W 4	10 25 33	8°24'05	21° 4	16°10	12°21	29°26	2°57	18°38	9° 3	2°58	16°57	0°10	1°37	9°10	n.a.	W 4
T 5	10 29 30	9°22'58	5♌45	15°35	13°33	0♈ 9	2°50	18°45	9° 6	3° 0	16°58	0° 3	1°34	9°17	n.a.	T 5
F 6	10 33 27	10°21'49	20°27	14°55	14°44	0°52	2°42	18°51	9° 9	3° 1	17° 0	29♈55	1°30	9°24	n.a.	F 6
S 7	10 37 23	11°20'38	5♍ 1	14°13	15°56	1°36	2°34	18°58	9°12	3° 3	17° 1	29°48	1°27	9°30	n.a.	S 7
S 8	10 41 20	12°19'24	19°20	13°29	17° 7	2°19	2°27	19° 5	9°15	3° 4	17° 3	29°41	1°24	9°37	n.a.	S 8
M 9	10 45 16	13°18'09	3♎19	12°43	18°19	3° 2	2°19	19°12	9°19	3° 6	17° 4	29°36	1°21	9°44	n.a.	M 9
T 10	10 49 13	14°16'51	16°54	11°57	19°30	3°45	2°12	19°19	9°22	3° 8	17° 6	29°33	1°18	9°50	n.a.	T 10
W11	10 53 9	15°15'32	0♏ 5	11°11	20°41	4°28	2° 5	19°26	9°25	3° 9	17° 7	29°D33	1°15	9°57	n.a.	W11
T 12	10 57 6	16°14'10	12°52	10°26	21°52	5°11	1°57	19°33	9°28	3°11	17° 9	29°33	1°11	10° 4	n.a.	T 12
F 13	11 1 2	17°12'47	25°19	9°44	23° 3	5°53	1°50	19°40	9°31	3°12	17°10	29°35	1° 8	10°11	n.a.	F 13
S 14	11 4 59	18°11'22	7♐30	9° 4	24°14	6°36	1°43	19°47	9°35	3°14	17°11	29°36	1° 5	10°17	n.a.	S 14
S 15	11 8 55	19° 9'56	19°29	8°27	25°25	7°19	1°36	19°54	9°38	3°16	17°13	29°R37	1° 2	10°24	n.a.	S 15
M16	11 12 52	20° 8'27	1♑22	7°55	26°36	8° 2	1°29	20° 1	9°41	3°18	17°14	29°36	0°59	10°31	n.a.	M16
T 17	11 16 49	21° 6'57	13°14	7°26	27°47	8°44	1°22	20° 9	9°45	3°19	17°15	29°34	0°55	10°37	n.a.	T 17
W18	11 20 45	22° 5'25	25° 9	7° 2	28°57	9°27	1°15	20°16	9°48	3°21	17°17	29°30	0°52	10°44	n.a.	W18
T 19	11 24 42	23° 3'52	7♒10	6°43	0♉ 8	10° 9	1° 8	20°23	9°51	3°23	17°18	29°24	0°49	10°51	n.a.	T 19
F 20	11 28 38	24° 2'16	19°22	6°29	1°18	10°52	1° 1	20°30	9°55	3°25	17°19	29°18	0°46	10°58	n.a.	F 20
S 21	11 32 35	25° 0'39	1♓46	6°20	2°28	11°34	0°55	20°38	9°58	3°27	17°21	29°12	0°43	11° 4	n.a.	S 21
S 22	11 36 31	25°59'00	14°25	6°D17	3°38	12°17	0°48	20°45	10° 1	3°28	17°22	29° 6	0°40	11°11	n.a.	S 22
M23	11 40 28	26°57'19	27°17	6°18	4°49	12°59	0°42	20°53	10° 5	3°30	17°23	29° 2	0°36	11°18	n.a.	M23
T 24	11 44 24	27°55'36	10♈23	6°24	5°59	13°42	0°36	21° 0	10° 8	3°32	17°25	28°59	0°33	11°24	n.a.	T 24
W25	11 48 21	28°53'51	23°43	6°35	7° 8	14°24	0°30	21° 8	10°11	3°34	17°26	28°D58	0°30	11°31	n.a.	W25
T 26	11 52 17	29°52'04	7♉15	6°50	8°18	15° 6	0°24	21°15	10°15	3°36	17°27	28°58	0°27	11°38	n.a.	T 26
F 27	11 56 14	0♈50'15	20°58	7°11	9°28	15°48	0°18	21°23	10°18	3°38	17°28	28°59	0°24	11°45	n.a.	F 27
S 28	12 0 11	1°48'24	4♊50	7°35	10°37	16°30	0°12	21°30	10°22	3°40	17°29	29° 0	0°21	11°51	n.a.	S 28
S 29	12 4 7	2°46'31	18°51	8° 4	11°47	17°13	0° 6	21°38	10°25	3°42	17°31	29° 2	0°17	11°58	n.a.	S 29
M30	12 8 4	3°44'36	3♋ 0	8°37	12°56	17°55	0° 1	21°46	10°29	3°44	17°32	29°R 2	0°14	12° 5	n.a.	M30
T 31	12 12 0	4♈42'39	17♋14	9♓14	14♉ 5	18♈37	29♌56	21♈53	10♈32	3♉46	17♒33	29♈ 2	0♉11	12♑11	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	9s38	25n 0	3n 8	1s46	3n33	3n37	0n 7	1s27	0s23	12n 1	1n43	5n12	2s14	3n 2	0s35	10n54	1s51	29s44	14s31	11n44	12n15	28s11			n.a.
M 2	9 16	27 31	4 1	1 53	3 34	4 9	0 10	1 9	0 22	12 4	1 43	5 15	2 14	3 3	0 35	10 55	1 51	29 44	14 32	11 44	12 13	28 11			n.a.
T 3	8 54	28 15	4 40	2 3	3 33	4 40	0 13	0 51	0 22	12 6	1 43	5 18	2 14	3 5	0 35	10 55	1 51	29 44	14 32	11 42	12 12	28 10			n.a.
W 4	8 31	27 3	5 2	2 17	3 31	5 12	0 16	0 33	0 21	12 9	1 43	5 20	2 14	3 6	0 35	10 56	1 51	29 43	14 32	11 41	12 11	28 10			n.a.
T 5	8 9	23 59	5 5	2 35	3 27	5 43	0 20	0 15	0 20	12 12	1 43	5 23	2 13	3 7	0 35	10 56	1 51	29 43	14 32	11 38	12 10	28 10			n.a.
F 6	7 47	19 23	4 47	2 56	3 21	6 14	0 23	0n 3	0 20	12 15	1 43	5 26	2 13	3 8	0 35	10 57	1 51	29 43	14 32	11 35	12 9	28 10			n.a.
S 7	7 24	13 40	4 11	3 19	3 13	6 45	0 26	0 21	0 19	12 18	1 43	5 28	2 13	3 10	0 35	10 57	1 50	29 42	14 32	11 33	12 8	28 10			n.a.
S 8	7 1	7 19	3 19	3 45	3 4	7 16	0 30	0 39	0 19	12 20	1 43	5 31	2 13	3 11	0 35	10 58	1 50	29 42	14 33	11 30	12 7	28 10			n.a.
M 9	6 39	0 45	2 17	4 12	2 54	7 46	0 33	0 57	0 18	12 23	1 43	5 34	2 13	3 12	0 35	10 59	1 50	29 42	14 33	11 28	12 6	28 9			n.a.
T 10	6 16	5s41	1 8	4 40	2 42	8 17	0 36	1 15	0 17	12 26	1 43	5 37	2 12	3 13	0 35	10 59	1 50	29 41	14 33	11 28	12 4	28 9			n.a.
W11	5 53	11 41	0s 3	5 10	2 29	8 47	0 40	1 33	0 17	12 28	1 43	5 40	2 12	3 15	0 35	11 0	1 50	29 41	14 33	11 27	12 3	28 9			n.a.
T 12	5 30	17 2	1 11	5 40	2 15	9 17	0 43	1 50	0 16	12 31	1 43	5 42	2 12	3 16	0 35	11 0	1 50	29 41	14 33	11 27	12 2	28 9			n.a.
F 13	5 7	21 31	2 15	6 10	2 1	9 47	0 46	2 8	0 15	12 34	1 43	5 45	2 12	3 17	0 35	11 1	1 50	29 40	14 33	11 28	12 1	28 9			n.a.
S 14	4 44	24 59	3 11	6 39	1 45	10 17	0 50	2 26	0 15	12 36	1 43	5 48	2 12	3 19	0 35	11 2	1 50	29 40	14 34	11 28	12 0	28 8			n.a.
S 15	4 20	27 16	3 58	7 7	1 30	10 46	0 53	2 44	0 14	12 39	1 43	5 51	2 12	3 20	0 35	11 2	1 50	29 40	14 34	11 29	11 59	28 8			n.a.
M16	3 57	28 18	4 34	7 34	1 14	11 16	0 56	3 1	0 13	12 41	1 43	5 54	2 12	3 21	0 35	11 3	1 50	29 40	14 34	11 28	11 58	28 8			n.a.
T 17	3 34	28 1	4 58	8 0	0 57	11 44	0 59	3 19	0 13	12 44	1 43	5 57	2 11	3 23	0 35	11 4	1 50	29 39	14 34	11 28	11 57	28 8			n.a.
W18	3 11	26 27	5 9	8 24	0 41	12 13	1 3	3 36	0 12	12 46	1 43	6 0	2 11	3 24	0 35	11 4	1 50	29 39	14 34	11 26	11 56	28 7			n.a.
T 19	2 47	23 40	5 7	8 46	0 25	12 41	1 6	3 54	0 11	12 48	1 43	6 3	2 11	3 25	0 35	11 5	1 50	29 39	14 35	11 24	11 54	28 7			n.a.
F 20	2 24	19 48	4 52	9 6	0 10	13 10	1 9	4 11	0 11	12 51	1 43	6 5	2 11	3 27	0 35	11 6	1 50	29 39	14 35	11 22	11 53	28 7			n.a.
S 21	2 0	15 3	4 22	9 23	0s 6	13 37	1 13	4 29	0 10	12 53	1 42	6 8	2 11	3 28	0 35	11 6	1 50	29 38	14 35	11 20	11 52	28 7			n.a.
S 22	1 37	9 34	3 39	9 38	0 20	14 5	1 16	4 46	0 9	12 55	1 42	6 11	2 11	3 29	0 35	11 7	1 50	29 38	14 35	11 18	11 51	28 6			n.a.
M23	1 14	3 36	2 44	9 51	0 35	14 32	1 19	5 3	0 9	12 57	1 42	6 14	2 11	3 31	0 35	11 8	1 50	29 38	14 36	11 16	11 50	28 6			n.a.
T 24	0 50	2n38	1 40	10 2	0 48	14 59	1 22	5 21	0 8	12 59	1 42	6 17	2 10	3 32	0 35	11 8	1 50	29 38	14 36	11 15	11 49	28 6			n.a.
W25	0 27	8 53	0 29	10 10	1 2	15 25	1 26	5 38	0 8	13 2	1 42	6 20	2 10	3 33	0 35	11 9	1 50	29 38	14 36	11 15	11 48	28 5			n.a.
T 26	0 3	14 49	0n45	10 15	1 14	15 51	1 29	5 55	0 7	13 4	1 42	6 23	2 10	3 35	0 35	11 10	1 50	29 38	14 36	11 15	11 47	28 5			n.a.
F 27	0n20	20 7	1 58	10 19	1 26	16 17	1 32	6 12	0 6	13 6	1 42	6 26	2 10	3 36	0 35	11 10	1 50	29 37	14 37	11 15	11 45	28 5			n.a.
S 28	0 44	24 23	3 4	10 19	1 37	16 42	1 35	6 29	0 6	13 7	1 41	6 29	2 10	3 37	0 35	11 11	1 50	29 37	14 37	11 16	11 44	28 4			n.a.
S 29	1 7	27 16	4 0	10 18	1 47	17 7	1 38	6 46	0 5	13 9	1 41	6 32	2 10	3 39	0 35	11 12	1 49	29 37	14 37	11 16	11 43	28 4			n.a.
M30	1 30	28 25	4 42	10 14	1 56	17 31	1 41	7 3	0 4	13 11	1 41	6 35	2 10	3 40	0 35	11 12	1 49	29 37	14 37	11 16	11 42	28 4			n.a.
T 31	1n54	27n42	5n 7	10s 8	2s 5	17n55	1n44	7n20	0s 4	13n13	1n41	6n38	2s10	3n42	0s35	11n13	1s49	29s37	14s38	11n16	11n41	28s 3			n.a.

Julian Day Number = 1569538.5, Delta T = 04h18m39s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'54, Lahiri = - 9°41'53 Julian Calendar 1 March 416 BCE == Greg. Calendar 24 Feb. 416 BCE

The year -415 astronomical counting style corresponds to year 416 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

APRIL 416 BCE (-415) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 15 57	5♈40'40	1♌31	9♓55	15♉14	19♈19	29°R51	22♈ 1	10♈35	3♉48	17♒34	29°R 0	0♉ 8	12♑18	n.a.	W 1
T 2	12 19 53	6°38'39	15°49	10°40	16°23	20° 1	29♌46	22° 9	10°39	3°50	17°35	28♈58	0° 5	12°25	n.a.	T 2
F 3	12 23 50	7°36'36	0♍ 2	11°28	17°32	20°42	29°41	22°16	10°42	3°52	17°36	28°55	0° 1	12°32	n.a.	F 3
S 4	12 27 46	8°34'30	14° 8	12°19	18°41	21°24	29°36	22°24	10°46	3°54	17°37	28°52	29♈58	12°38	n.a.	S 4
S 5	12 31 43	9°32'23	28° 1	13°14	19°49	22° 6	29°31	22°32	10°49	3°56	17°38	28°50	29°55	12°45	n.a.	S 5
M 6	12 35 40	10°30'15	11♎39	14°12	20°58	22°48	29°27	22°40	10°53	3°58	17°40	28°48	29°52	12°52	n.a.	M 6
T 7	12 39 36	11°28'04	24°59	15°13	22° 6	23°29	29°23	22°47	10°56	4° 0	17°41	28°D47	29°49	12°58	n.a.	T 7
W 8	12 43 33	12°25'52	8♏ 0	16°17	23°14	24°11	29°19	22°55	11° 0	4° 2	17°42	28°48	29°46	13° 5	n.a.	W 8
T 9	12 47 29	13°23'39	20°43	17°23	24°22	24°53	29°15	23° 3	11° 3	4° 4	17°43	28°48	29°42	13°12	n.a.	T 9
F 10	12 51 26	14°21'24	3♐ 9	18°33	25°30	25°34	29°11	23°11	11° 6	4° 7	17°44	28°50	29°39	13°19	n.a.	F 10
S 11	12 55 22	15°19'09	15°21	19°45	26°37	26°16	29° 7	23°19	11°10	4° 9	17°45	28°51	29°36	13°25	n.a.	S 11
S 12	12 59 19	16°16'51	27°22	20°59	27°45	26°57	29° 4	23°27	11°13	4°11	17°45	28°52	29°33	13°32	n.a.	S 12
M13	13 3 15	17°14'33	9♑17	22°17	28°52	27°38	29° 1	23°34	11°17	4°13	17°46	28°52	29°30	13°39	n.a.	M13
T 14	13 7 12	18°12'13	21°10	23°36	29°59	28°20	28°58	23°42	11°20	4°15	17°47	28°R53	29°26	13°45	n.a.	T 14
W15	13 11 9	19° 9'53	3♒ 6	24°58	1♊ 7	29° 1	28°55	23°50	11°24	4°17	17°48	28°52	29°23	13°52	n.a.	W15
T 16	13 15 5	20° 7'31	15° 9	26°23	2°13	29°42	28°52	23°58	11°27	4°20	17°49	28°52	29°20	13°59	n.a.	T 16
F 17	13 19 2	21° 5'08	27°24	27°49	3°20	0♉24	28°49	24° 6	11°31	4°22	17°50	28°51	29°17	14° 6	n.a.	F 17
S 18	13 22 58	22° 2'43	9♓54	29°19	4°27	1° 5	28°47	24°14	11°34	4°24	17°51	28°50	29°14	14°12	n.a.	S 18
S 19	13 26 55	23° 0'18	22°41	0♈50	5°33	1°46	28°45	24°22	11°37	4°26	17°51	28°49	29°11	14°19	n.a.	S 19
M20	13 30 51	23°57'51	5♈47	2°24	6°39	2°27	28°43	24°30	11°41	4°28	17°52	28°48	29° 7	14°26	n.a.	M20
T 21	13 34 48	24°55'23	19°12	4° 0	7°45	3° 8	28°41	24°38	11°44	4°31	17°53	28°48	29° 4	14°33	n.a.	T 21
W22	13 38 44	25°52'54	2♉55	5°38	8°51	3°49	28°39	24°45	11°48	4°33	17°54	28°D48	29° 1	14°39	n.a.	W22
T 23	13 42 41	26°50'24	16°53	7°19	9°57	4°30	28°38	24°53	11°51	4°35	17°54	28°48	28°58	14°46	n.a.	T 23
F 24	13 46 38	27°47'53	1♊ 3	9° 2	11° 2	5°11	28°37	25° 1	11°54	4°37	17°55	28°48	28°55	14°53	n.a.	F 24
S 25	13 50 34	28°45'20	15°20	10°47	12° 8	5°52	28°35	25° 9	11°58	4°39	17°56	28°R48	28°52	14°59	n.a.	S 25
S 26	13 54 31	29°42'46	29°41	12°34	13°13	6°33	28°34	25°17	12° 1	4°42	17°57	28°48	28°48	15° 6	n.a.	S 26
M27	13 58 27	0♉40'11	14♋ 2	14°24	14°17	7°14	28°34	25°25	12° 4	4°44	17°57	28°48	28°45	15°13	n.a.	M27
T 28	14 2 24	1°37'34	28°18	16°15	15°22	7°55	28°33	25°33	12° 8	4°46	17°58	28°D48	28°42	15°20	n.a.	T 28
W29	14 6 20	2°34'56	12♌28	18° 9	16°26	8°35	28°33	25°41	12°11	4°48	17°58	28°48	28°39	15°26	n.a.	W29
T 30	14 10 17	3♉32'17	26♌29	20♈ 5	17♊30	9♉16	28♌33	25♈48	12♈14	4♉51	17♒59	28♈48	28♈36	15♑33	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n17	25n10	5n14	10s 0	2s13	18n19	1n47	7n36	0s 3	13n15	1n41	6n41	2s10	3n43	0s35	11n14	1s49	29s37	14s38	11n16	11n40	28s 3		n.a.
T 2	2 40	21 4	5 0	9 49	2 20	18 42	1 50	7 53	0 3	13 16	1 41	6 44	2 9	3 44	0 35	11 15	1 49	29 37	14 38	11 15	11 39	28 2		n.a.
F 3	3 3	15 47	4 29	9 37	2 27	19 5	1 53	8 9	0 2	13 18	1 40	6 47	2 9	3 46	0 35	11 15	1 49	29 36	14 38	11 14	11 37	28 2		n.a.
S 4	3 27	9 43	3 41	9 22	2 33	19 27	1 56	8 26	0 1	13 19	1 40	6 50	2 9	3 47	0 35	11 16	1 49	29 36	14 39	11 13	11 36	28 2		n.a.
S 5	3 50	3 16	2 41	9 5	2 38	19 49	1 58	8 42	0 1	13 21	1 40	6 53	2 9	3 48	0 35	11 17	1 49	29 36	14 39	11 12	11 35	28 1		n.a.
M 6	4 13	3s14	1 33	8 47	2 42	20 10	2 1	8 59	0 0	13 22	1 40	6 56	2 9	3 50	0 35	11 18	1 49	29 36	14 39	11 11	11 34	28 1		n.a.
T 7	4 36	9 28	0 21	8 26	2 46	20 31	2 4	9 15	0n 1	13 23	1 40	6 59	2 9	3 51	0 35	11 18	1 49	29 36	14 40	11 11	11 33	28 0		n.a.
W 8	4 58	15 9	0s51	8 4	2 49	20 51	2 6	9 31	0 1	13 25	1 39	7 2	2 9	3 53	0 35	11 19	1 49	29 36	14 40	11 11	11 32	28 0		n.a.
T 9	5 21	20 4	1 58	7 40	2 51	21 11	2 9	9 47	0 2	13 26	1 39	7 5	2 9	3 54	0 35	11 20	1 49	29 36	14 40	11 11	11 31	28 0		n.a.
F 10	5 44	23 58	2 59	7 14	2 53	21 30	2 11	10 3	0 2	13 27	1 39	7 8	2 9	3 55	0 35	11 21	1 49	29 36	14 40	11 12	11 30	27 59		n.a.
S 11	6 6	26 44	3 50	6 46	2 54	21 49	2 14	10 19	0 3	13 28	1 39	7 11	2 9	3 57	0 35	11 21	1 49	29 36	14 41	11 12	11 28	27 59		n.a.
S 12	6 29	28 13	4 30	6 16	2 54	22 7	2 16	10 34	0 4	13 29	1 39	7 14	2 9	3 58	0 35	11 22	1 49	29 36	14 41	11 13	11 27	27 58		n.a.
M13	6 51	28 22	4 58	5 45	2 54	22 25	2 18	10 50	0 4	13 30	1 38	7 17	2 9	3 59	0 35	11 23	1 49	29 36	14 41	11 13	11 26	27 58		n.a.
T 14	7 14	27 13	5 13	5 12	2 53	22 42	2 20	11 6	0 5	13 31	1 38	7 20	2 9	4 1	0 35	11 24	1 49	29 36	14 42	11 13	11 25	27 57		n.a.
W15	7 36	24 49	5 15	4 38	2 51	22 58	2 23	11 21	0 5	13 32	1 38	7 23	2 9	4 2	0 35	11 24	1 49	29 36	14 42	11 13	11 24	27 57		n.a.
T 16	7 58	21 19	5 4	4 2	2 49	23 14	2 25	11 36	0 6	13 32	1 38	7 26	2 8	4 3	0 35	11 25	1 49	29 36	14 42	11 12	11 23	27 56		n.a.
F 17	8 20	16 52	4 38	3 25	2 46	23 29	2 27	11 52	0 7	13 33	1 38	7 29	2 8	4 5	0 35	11 26	1 49	29 36	14 43	11 12	11 22	27 56		n.a.
S 18	8 42	11 38	3 59	2 46	2 43	23 44	2 28	12 7	0 7	13 34	1 37	7 32	2 8	4 6	0 35	11 27	1 49	29 36	14 43	11 12	11 20	27 55		n.a.
S 19	9 3	5 48	3 7	2 5	2 39	23 58	2 30	12 22	0 8	13 34	1 37	7 35	2 8	4 8	0 35	11 27	1 49	29 36	14 43	11 12	11 19	27 55		n.a.
M20	9 25	0n26	2 4	1 23	2 34	24 12	2 32	12 37	0 8	13 35	1 37	7 38	2 8	4 9	0 35	11 28	1 49	29 36	14 44	11 11	11 18	27 54		n.a.
T 21	9 46	6 48	0 53	0 40	2 29	24 24	2 34	12 52	0 9	13 35	1 37	7 40	2 8	4 10	0 35	11 29	1 49	29 36	14 44	11 11	11 17	27 54		n.a.
W22	10 7	13 0	0n23	0n 5	2 23	24 37	2 35	13 6	0 10	13 36	1 36	7 43	2 8	4 12	0 35	11 30	1 49	29 36	14 44	11 11	11 16	27 53		n.a.
T 23	10 29	18 40	1 39	0 51	2 17	24 48	2 36	13 21	0 10	13 36	1 36	7 46	2 8	4 13	0 35	11 30	1 49	29 36	14 45	11 11	11 15	27 52		n.a.
F 24	10 49	23 23	2 49	1 38	2 10	24 59	2 38	13 35	0 11	13 36	1 36	7 49	2 8	4 14	0 35	11 31	1 49	29 36	14 45	11 11	11 14	27 52		n.a.
S 25	11 10	26 44	3 50	2 26	2 3	25 10	2 39	13 50	0 11	13 36	1 36	7 52	2 8	4 16	0 35	11 32	1 49	29 37	14 45	11 11	11 12	27 51		n.a.
S 26	11 31	28 22	4 37	3 16	1 55	25 20	2 40	14 4	0 12	13 36	1 35	7 55	2 8	4 17	0 35	11 33	1 49	29 37	14 46	11 11	11 11	27 51		n.a.
M27	11 51	28 4	5 6	4 6	1 47	25 29	2 41	14 18	0 13	13 36	1 35	7 58	2 8	4 18	0 35	11 33	1 49	29 37	14 46	11 11	11 10	27 50		n.a.
T 28	12 11	25 56	5 17	4 58	1 38	25 37	2 42	14 32	0 13	13 36	1 35	8 1	2 8	4 19	0 35	11 34	1 49	29 37	14 46	11 11	11 9	27 50		n.a.
W29	12 32	22 11	5 8	5 50	1 29	25 45	2 43	14 46	0 14	13 36	1 35	8 4	2 8	4 21	0 35	11 35	1 49	29 37	14 47	11 11	11 8	27 49		n.a.
T 30	12n51	17n14	4n41	6n43	1s20	25n52	2n44	15n 0	0n14	13n36	1n34	8n 7	2s 8	4n22	0s35	11n36	1s49	29s37	14s47	11n11	11n 7	27s48		n.a.

Julian Day Number = 1569569.5, Delta T = 04h18m37s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'50, Lahiri = - 9°41'49 Julian Calendar 1 Apr. 416 BCE == Greg. Calendar 27 March 416 BCE

The year -415 astronomical counting style corresponds to year 416 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

MAY 416 BCE (-415) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 14 13	4♉29'36	10♍20	22♈ 4	18♊34	9♉57	28°D32	25♈56	12♈17	4♉53	17♒59	28♈49	28♈32	15♋40	n.a.	F 1
S 2	14 18 10	5°26'54	23°59	24° 4	19°38	10°37	28♌33	26° 4	12°21	4°55	18° 0	28°49	28°29	15°46	n.a.	S 2
S 3	14 22 7	6°24'11	7♎25	26° 6	20°41	11°18	28°33	26°12	12°24	4°57	18° 0	28°50	28°26	15°53	n.a.	S 3
M 4	14 26 3	7°21'26	20°38	28°10	21°44	11°58	28°33	26°20	12°27	5° 0	18° 1	28°50	28°23	16° 0	n.a.	M 4
T 5	14 30 0	8°18'41	3♏37	0♉16	22°47	12°39	28°34	26°28	12°30	5° 2	18° 1	28°R50	28°20	16° 7	n.a.	T 5
W 6	14 33 56	9°15'56	16°23	2°23	23°50	13°19	28°35	26°35	12°33	5° 4	18° 2	28°50	28°17	16°13	n.a.	W 6
T 7	14 37 53	10°13'09	28°54	4°32	24°52	14° 0	28°36	26°43	12°37	5° 6	18° 2	28°49	28°13	16°20	n.a.	T 7
F 8	14 41 49	11°10'22	11♐13	6°41	25°54	14°40	28°37	26°51	12°40	5° 9	18° 3	28°48	28°10	16°27	n.a.	F 8
S 9	14 45 46	12° 7'34	23°21	8°52	26°56	15°21	28°39	26°59	12°43	5°11	18° 3	28°46	28° 7	16°33	n.a.	S 9
S 10	14 49 42	13° 4'46	5♑21	11° 3	27°57	16° 1	28°40	27° 6	12°46	5°13	18° 3	28°44	28° 4	16°40	n.a.	S 10
M11	14 53 39	14° 1'57	17°16	13°15	28°58	16°41	28°42	27°14	12°49	5°15	18° 4	28°42	28° 1	16°47	n.a.	M11
T 12	14 57 36	14°59'08	29° 9	15°26	29°59	17°21	28°44	27°22	12°52	5°18	18° 4	28°41	27°58	16°54	n.a.	T 12
W13	15 1 32	15°56'19	11♒ 4	17°38	0♌59	18° 2	28°46	27°29	12°55	5°20	18° 4	28°D40	27°54	17° 0	n.a.	W13
T 14	15 5 29	16°53'29	23° 7	19°49	2° 0	18°42	28°48	27°37	12°58	5°22	18° 4	28°40	27°51	17° 7	n.a.	T 14
F 15	15 9 25	17°50'39	5♓21	21°59	2°59	19°22	28°51	27°44	13° 1	5°24	18° 5	28°41	27°48	17°14	n.a.	F 15
S 16	15 13 22	18°47'48	17°51	24° 9	3°59	20° 2	28°53	27°52	13° 4	5°26	18° 5	28°42	27°45	17°21	n.a.	S 16
S 17	15 17 18	19°44'58	0♈41	26°17	4°58	20°42	28°56	28° 0	13° 7	5°29	18° 5	28°43	27°42	17°27	n.a.	S 17
M18	15 21 15	20°42'07	13°54	28°24	5°56	21°22	28°59	28° 7	13°10	5°31	18° 5	28°45	27°38	17°34	n.a.	M18
T 19	15 25 11	21°39'16	27°30	0♊30	6°54	22° 2	29° 2	28°15	13°13	5°33	18° 5	28°R45	27°35	17°41	n.a.	T 19
W20	15 29 8	22°36'25	11♉30	2°33	7°52	22°42	29° 6	28°22	13°16	5°35	18° 5	28°45	27°32	17°47	n.a.	W20
T 21	15 33 5	23°33'33	25°50	4°35	8°50	23°22	29° 9	28°30	13°19	5°37	18° 6	28°43	27°29	17°54	n.a.	T 21
F 22	15 37 1	24°30'42	10♊26	6°36	9°47	24° 2	29°13	28°37	13°21	5°39	18° 6	28°40	27°26	18° 1	n.a.	F 22
S 23	15 40 58	25°27'50	25°10	8°34	10°43	24°42	29°16	28°44	13°24	5°42	18° 6	28°37	27°23	18° 8	n.a.	S 23
S 24	15 44 54	26°24'58	9♋56	10°30	11°39	25°22	29°20	28°52	13°27	5°44	18°R 6	28°33	27°19	18°14	n.a.	S 24
M25	15 48 51	27°22'05	24°37	12°24	12°35	26° 1	29°24	28°59	13°30	5°46	18° 6	28°30	27°16	18°21	n.a.	M25
T 26	15 52 47	28°19'12	9♌ 5	14°16	13°30	26°41	29°29	29° 6	13°32	5°48	18° 6	28°27	27°13	18°28	n.a.	T 26
W27	15 56 44	29°16'18	23°19	16° 6	14°24	27°21	29°33	29°13	13°35	5°50	18° 6	28°D26	27°10	18°35	n.a.	W27
T 28	16 0 41	0♊13'24	7♍14	17°54	15°18	28° 0	29°38	29°21	13°38	5°52	18° 5	28°26	27° 7	18°41	n.a.	T 28
F 29	16 4 37	1°10'29	20°52	19°40	16°12	28°40	29°43	29°28	13°40	5°54	18° 5	28°27	27° 4	18°48	n.a.	F 29
S 30	16 8 34	2° 7'34	4♎13	21°23	17° 4	29°20	29°47	29°35	13°43	5°56	18° 5	28°29	27° 0	18°55	n.a.	S 30
S 31	16 12 30	3♊ 4'39	17♎18	23♊ 5	17♋57	29♉59	29♌52	29♈42	13♈45	5♉58	18♒ 5	28♈30	26♈57	19♋ 1	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n11	11n26	3n57	7n37	1s10	25n59	2n44	15n13	0n15	13n36	1n34	8n10	2s 8	4n23	0s35	11n37	1s49	29s37	14s47	11n11	11n 6	27s48		n.a.
S 2	13 30	5 11	3 1	8 31	1 0	26 4	2 45	15 27	0 15	13 36	1 34	8 12	2 8	4 25	0 35	11 37	1 49	29 37	14 48	11 12	11 4	27 47		n.a.
S 3	13 50	1s13	1 56	9 26	0 50	26 10	2 45	15 40	0 16	13 35	1 34	8 15	2 8	4 26	0 35	11 38	1 49	29 38	14 48	11 12	11 3	27 46		n.a.
M 4	14 9	7 28	0 45	10 21	0 39	26 14	2 45	15 53	0 17	13 35	1 33	8 18	2 8	4 27	0 35	11 39	1 49	29 38	14 49	11 12	11 2	27 46		n.a.
T 5	14 27	13 18	0s26	11 16	0 29	26 18	2 45	16 6	0 17	13 34	1 33	8 21	2 8	4 28	0 35	11 40	1 49	29 38	14 49	11 12	11 1	27 45		n.a.
W 6	14 46	18 28	1 35	12 11	0 18	26 21	2 45	16 19	0 18	13 34	1 33	8 24	2 8	4 30	0 35	11 40	1 49	29 38	14 49	11 12	11 0	27 44		n.a.
T 7	15 4	22 45	2 39	13 5	0 7	26 24	2 45	16 32	0 18	13 33	1 33	8 27	2 8	4 31	0 35	11 41	1 49	29 38	14 50	11 12	10 59	27 44		n.a.
F 8	15 22	25 56	3 33	13 59	0n 4	26 26	2 45	16 45	0 19	13 33	1 32	8 29	2 8	4 32	0 35	11 42	1 49	29 39	14 50	11 11	10 58	27 43		n.a.
S 9	15 40	27 52	4 17	14 52	0 14	26 27	2 44	16 57	0 19	13 32	1 32	8 32	2 8	4 33	0 35	11 43	1 49	29 39	14 50	11 10	10 56	27 42		n.a.
S 10	15 58	28 28	4 50	15 43	0 25	26 28	2 44	17 10	0 20	13 31	1 32	8 35	2 8	4 35	0 35	11 43	1 49	29 39	14 51	11 10	10 55	27 42		n.a.
M11	16 15	27 43	5 9	16 34	0 35	26 28	2 43	17 22	0 21	13 30	1 32	8 38	2 8	4 36	0 35	11 44	1 49	29 39	14 51	11 9	10 54	27 41		n.a.
T 12	16 32	25 44	5 15	17 23	0 44	26 27	2 42	17 34	0 21	13 29	1 31	8 41	2 8	4 37	0 35	11 45	1 49	29 40	14 52	11 9	10 53	27 40		n.a.
W13	16 49	22 36	5 8	18 10	0 54	26 26	2 41	17 46	0 22	13 28	1 31	8 43	2 8	4 38	0 35	11 46	1 49	29 40	14 52	11 8	10 52	27 40		n.a.
T 14	17 6	18 30	4 47	18 55	1 3	26 24	2 40	17 58	0 22	13 27	1 31	8 46	2 8	4 39	0 35	11 46	1 49	29 40	14 52	11 8	10 51	27 39		n.a.
F 15	17 22	13 35	4 13	19 39	1 11	26 22	2 39	18 10	0 23	13 26	1 31	8 49	2 8	4 40	0 35	11 47	1 49	29 40	14 53	11 9	10 50	27 38		n.a.
S 16	17 38	8 1	3 26	20 20	1 19	26 19	2 37	18 21	0 23	13 25	1 30	8 51	2 8	4 42	0 35	11 48	1 49	29 41	14 53	11 9	10 48	27 37		n.a.
S 17	17 54	1 59	2 28	20 58	1 26	26 15	2 36	18 32	0 24	13 24	1 30	8 54	2 8	4 43	0 35	11 48	1 49	29 41	14 53	11 10	10 47	27 37		n.a.
M18	18 9	4n19	1 21	21 34	1 33	26 11	2 34	18 44	0 24	13 23	1 30	8 57	2 8	4 44	0 35	11 49	1 49	29 41	14 54	11 10	10 46	27 36		n.a.
T 19	18 25	10 37	0 7	22 8	1 39	26 6	2 32	18 55	0 25	13 21	1 30	8 59	2 8	4 45	0 35	11 50	1 49	29 42	14 54	11 10	10 45	27 35		n.a.
W20	18 40	16 35	1n 9	22 38	1 44	26 0	2 30	19 6	0 26	13 20	1 29	9 2	2 8	4 46	0 35	11 51	1 49	29 42	14 54	11 10	10 44	27 34		n.a.
T 21	18 54	21 47	2 23	23 7	1 49	25 54	2 28	19 16	0 26	13 18	1 29	9 5	2 9	4 47	0 35	11 51	1 49	29 42	14 55	11 9	10 43	27 34		n.a.
F 22	19 8	25 45	3 29	23 32	1 53	25 48	2 25	19 27	0 27	13 17	1 29	9 7	2 9	4 48	0 35	11 52	1 49	29 42	14 55	11 8	10 41	27 33		n.a.
S 23	19 22	28 1	4 21	23 55	1 56	25 41	2 23	19 37	0 27	13 15	1 29	9 10	2 9	4 49	0 35	11 53	1 49	29 43	14 56	11 7	10 40	27 32		n.a.
S 24	19 36	28 18	4 56	24 15	1 58	25 33	2 20	19 48	0 28	13 14	1 28	9 12	2 9	4 50	0 35	11 53	1 49	29 43	14 56	11 6	10 39	27 31		n.a.
M25	19 49	26 35	5 12	24 33	2 0	25 25	2 17	19 58	0 28	13 12	1 28	9 15	2 9	4 52	0 35	11 54	1 49	29 44	14 56	11 5	10 38	27 30		n.a.
T 26	20 3	23 9	5 7	24 49	2 1	25 16	2 14	20 8	0 29	13 10	1 28	9 17	2 9	4 53	0 35	11 55	1 49	29 44	14 57	11 4	10 37	27 30		n.a.
W27	20 15	18 23	4 44	25 1	2 1	25 7	2 11	20 18	0 29	13 8	1 28	9 20	2 9	4 54	0 35	11 56	1 49	29 44	14 57	11 3	10 36	27 29		n.a.
T 28	20 28	12 44	4 4	25 12	2 1	24 58	2 7	20 27	0 30	13 6	1 27	9 22	2 9	4 55	0 35	11 56	1 49	29 45	14 57	11 3	10 35	27 28		n.a.
F 29	20 40	6 35	3 11	25 20	2 0	24 48	2 3	20 37	0 30	13 5	1 27	9 25	2 9	4 56	0 35	11 57	1 49	29 45	14 58	11 4	10 33	27 27		n.a.
S 30	20 51	0 16	2 9	25 26	1 59	24 37	2 0	20 46	0 31	13 3	1 27	9 27	2 9	4 57	0 35	11 58	1 49	29 45	14 58	11 4	10 32	27 26		n.a.
S 31	21n 3	5s56	1n 1	25n30	1n56	24n26	1n55	20n55	0n31	13n 1	1n27	9n30	2s 9	4n58	0s35	11n58	1s49	29s46	14s59	11n 5	10n31	27s25		n.a.

Julian Day Number = 1569599.5, Delta T = 04h18m36s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'46, Lahiri = - 9°41'45 Julian Calendar 1 May 416 BCE == Greg. Calendar 26 Apr. 416 BCE

The year -415 astronomical counting style corresponds to year 416 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

JUNE 416 BCE (-415) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 16 27	4♊ 1'44	0♏ 9	24♊44	18♋48	0♊39	29♌58	29♈49	13♈48	6♉ 0	18°R 5	28°R30	26♈54	19♑ 8	n.a.	M 1
T 2	16 20 23	4°58'49	12°47	26°21	19°39	1°18	0♍ 3	29°56	13°50	6° 2	18♒ 5	28♈30	26°51	19°15	n.a.	T 2
W 3	16 24 20	5°55'54	25°15	27°56	20°29	1°58	0° 9	0♉ 3	13°53	6° 4	18° 5	28°27	26°48	19°22	n.a.	W 3
T 4	16 28 16	6°52'59	7♐33	29°29	21°19	2°37	0°14	0°10	13°55	6° 6	18° 4	28°22	26°44	19°28	n.a.	T 4
F 5	16 32 13	7°50'04	19°43	0♋59	22° 8	3°17	0°20	0°17	13°57	6° 8	18° 4	28°16	26°41	19°35	n.a.	F 5
S 6	16 36 10	8°47'09	1♑45	2°28	22°56	3°56	0°26	0°23	14° 0	6°10	18° 4	28° 9	26°38	19°42	n.a.	S 6
S 7	16 40 6	9°44'15	13°41	3°54	23°43	4°35	0°32	0°30	14° 2	6°12	18° 3	28° 2	26°35	19°48	n.a.	S 7
M 8	16 44 3	10°41'22	25°34	5°18	24°30	5°15	0°38	0°37	14° 4	6°14	18° 3	27°55	26°32	19°55	n.a.	M 8
T 9	16 47 59	11°38'28	7♒27	6°39	25°16	5°54	0°45	0°43	14° 6	6°16	18° 3	27°49	26°29	20° 2	n.a.	T 9
W10	16 51 56	12°35'35	19°21	7°58	26° 0	6°33	0°51	0°50	14° 9	6°18	18° 2	27°44	26°25	20° 9	n.a.	W10
T 11	16 55 52	13°32'43	1♓22	9°15	26°44	7°13	0°58	0°57	14°11	6°20	18° 2	27°41	26°22	20°15	n.a.	T 11
F 12	16 59 49	14°29'52	13°34	10°30	27°27	7°52	1° 4	1° 3	14°13	6°22	18° 2	27°D40	26°19	20°22	n.a.	F 12
S 13	17 3 46	15°27'01	26° 1	11°42	28° 9	8°31	1°11	1°10	14°15	6°24	18° 1	27°41	26°16	20°29	n.a.	S 13
S 14	17 7 42	16°24'11	8♈48	12°51	28°50	9°10	1°18	1°16	14°17	6°25	18° 1	27°42	26°13	20°36	n.a.	S 14
M15	17 11 39	17°21'22	21°59	13°58	29°30	9°49	1°26	1°22	14°19	6°27	18° 0	27°R43	26° 9	20°42	n.a.	M15
T 16	17 15 35	18°18'33	5♉37	15° 2	0♌ 9	10°28	1°33	1°29	14°21	6°29	18° 0	27°43	26° 6	20°49	n.a.	T 16
W17	17 19 32	19°15'46	19°43	16° 3	0°47	11° 7	1°40	1°35	14°23	6°31	17°59	27°41	26° 3	20°56	n.a.	W17
T 18	17 23 28	20°12'59	4♊15	17° 2	1°24	11°47	1°48	1°41	14°24	6°33	17°59	27°37	26° 0	21° 2	n.a.	T 18
F 19	17 27 25	21°10'13	19° 8	17°57	1°59	12°26	1°55	1°47	14°26	6°34	17°58	27°31	25°57	21° 9	n.a.	F 19
S 20	17 31 21	22° 7'28	4♋13	18°49	2°33	13° 5	2° 3	1°53	14°28	6°36	17°58	27°23	25°54	21°16	n.a.	S 20
S 21	17 35 18	23° 4'43	19°22	19°38	3° 6	13°44	2°11	1°59	14°30	6°38	17°57	27°15	25°50	21°23	n.a.	S 21
M22	17 39 15	24° 1'59	4♌23	20°23	3°38	14°22	2°19	2° 5	14°31	6°39	17°56	27° 7	25°47	21°29	n.a.	M22
T 23	17 43 11	24°59'16	19° 9	21° 5	4° 8	15° 1	2°27	2°11	14°33	6°41	17°56	27° 1	25°44	21°36	n.a.	T 23
W24	17 47 8	25°56'33	3♍33	21°43	4°37	15°40	2°36	2°16	14°35	6°43	17°55	26°57	25°41	21°43	n.a.	W24
T 25	17 51 4	26°53'50	17°32	22°17	5° 4	16°19	2°44	2°22	14°36	6°44	17°54	26°55	25°38	21°50	n.a.	T 25
F 26	17 55 1	27°51'08	1♎ 7	22°48	5°29	16°58	2°53	2°28	14°38	6°46	17°54	26°D54	25°35	21°56	n.a.	F 26
S 27	17 58 57	28°48'27	14°20	23°13	5°53	17°37	3° 1	2°33	14°39	6°47	17°53	26°55	25°31	22° 3	n.a.	S 27
S 28	18 2 54	29°45'46	27°12	23°35	6°16	18°16	3°10	2°39	14°41	6°49	17°52	26°R55	25°28	22°10	n.a.	S 28
M29	18 6 50	0♋43'06	9♏49	23°51	6°36	18°54	3°19	2°44	14°42	6°50	17°51	26°55	25°25	22°16	n.a.	M29
T 30	18 10 47	1♋40'27	22♏13	24♋ 3	6♌55	19♊33	3♍28	2♉50	14♈43	6♉52	17♒51	26♈52	25♈22	22♑23	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n14	11s48	0s 9	25n32	1n54	24n15	1n51	21n 4	0n32	12n58	1n26	9n32	2s 9	4n59	0s35	11n59	1s49	29s46	14s59	11n 5	10n30	27s24		n.a.
T 2	21 24	17 6	1 17	25 32	1 50	24 3	1 47	21 13	0 32	12 56	1 26	9 35	2 9	4 59	0 35	11 59	1 49	29 47	14 59	11 5	10 29	27 23		n.a.
W 3	21 34	21 35	2 20	25 30	1 46	23 50	1 42	21 21	0 33	12 54	1 26	9 37	2 9	5 0	0 35	12 0	1 49	29 47	15 0	11 4	10 28	27 23		n.a.
T 4	21 44	25 4	3 16	25 26	1 42	23 38	1 37	21 30	0 33	12 52	1 26	9 39	2 10	5 1	0 35	12 1	1 49	29 47	15 0	11 2	10 26	27 22		n.a.
F 5	21 54	27 22	4 2	25 21	1 36	23 25	1 32	21 38	0 34	12 50	1 25	9 42	2 10	5 2	0 35	12 1	1 49	29 48	15 0	11 0	10 25	27 21		n.a.
S 6	22 3	28 21	4 37	25 14	1 31	23 11	1 26	21 46	0 34	12 47	1 25	9 44	2 10	5 3	0 35	12 2	1 49	29 48	15 1	10 57	10 24	27 20		n.a.
S 7	22 12	27 59	4 59	25 6	1 24	22 58	1 21	21 54	0 35	12 45	1 25	9 46	2 10	5 4	0 35	12 3	1 49	29 49	15 1	10 55	10 23	27 19		n.a.
M 8	22 20	26 20	5 8	24 56	1 18	22 44	1 15	22 2	0 35	12 42	1 25	9 49	2 10	5 5	0 35	12 3	1 49	29 49	15 1	10 52	10 22	27 18		n.a.
T 9	22 28	23 32	5 4	24 45	1 10	22 29	1 9	22 9	0 36	12 40	1 24	9 51	2 10	5 6	0 35	12 4	1 49	29 50	15 2	10 50	10 21	27 17		n.a.
W10	22 36	19 44	4 47	24 33	1 3	22 15	1 3	22 17	0 36	12 37	1 24	9 53	2 10	5 7	0 35	12 4	1 49	29 50	15 2	10 48	10 19	27 16		n.a.
T 11	22 43	15 7	4 17	24 19	0 54	22 0	0 56	22 24	0 37	12 35	1 24	9 55	2 10	5 7	0 35	12 5	1 49	29 50	15 2	10 47	10 18	27 15		n.a.
F 12	22 50	9 51	3 35	24 5	0 46	21 45	0 50	22 31	0 37	12 32	1 24	9 57	2 10	5 8	0 35	12 6	1 49	29 51	15 3	10 47	10 17	27 14		n.a.
S 13	22 57	4 5	2 42	23 50	0 36	21 29	0 43	22 38	0 38	12 29	1 24	9 59	2 10	5 9	0 35	12 6	1 49	29 51	15 3	10 47	10 16	27 13		n.a.
S 14	23 3	2n 0	1 40	23 34	0 27	21 14	0 35	22 45	0 38	12 27	1 23	10 2	2 11	5 10	0 35	12 7	1 49	29 52	15 3	10 47	10 15	27 12		n.a.
M15	23 8	8 12	0 31	23 17	0 17	20 58	0 28	22 51	0 39	12 24	1 23	10 4	2 11	5 10	0 35	12 7	1 49	29 52	15 4	10 48	10 14	27 11		n.a.
T 16	23 14	14 14	0n42	23 0	0 6	20 42	0 20	22 57	0 39	12 21	1 23	10 6	2 11	5 11	0 35	12 8	1 50	29 53	15 4	10 48	10 12	27 10		n.a.
W17	23 18	19 44	1 55	22 42	0s 4	20 26	0 12	23 3	0 40	12 18	1 23	10 8	2 11	5 12	0 35	12 8	1 50	29 53	15 4	10 47	10 11	27 9		n.a.
T 18	23 23	24 16	3 3	22 23	0 16	20 10	0 4	23 9	0 40	12 15	1 23	10 10	2 11	5 13	0 35	12 9	1 50	29 54	15 5	10 45	10 10	27 8		n.a.
F 19	23 27	27 17	4 0	22 5	0 27	19 54	0s 5	23 15	0 41	12 12	1 22	10 12	2 11	5 13	0 35	12 10	1 50	29 54	15 5	10 43	10 9	27 7		n.a.
S 20	23 31	28 21	4 41	21 46	0 39	19 37	0 14	23 21	0 41	12 9	1 22	10 14	2 11	5 14	0 35	12 10	1 50	29 55	15 5	10 40	10 8	27 6		n.a.
S 21	23 34	27 19	5 2	21 27	0 51	19 21	0 23	23 26	0 42	12 6	1 22	10 16	2 11	5 15	0 35	12 11	1 50	29 55	15 6	10 37	10 7	27 5		n.a.
M22	23 37	24 18	5 3	21 8	1 4	19 4	0 32	23 31	0 42	12 3	1 22	10 18	2 12	5 15	0 35	12 11	1 50	29 56	15 6	10 35	10 5	27 4		n.a.
T 23	23 39	19 44	4 43	20 49	1 16	18 48	0 42	23 36	0 43	12 0	1 22	10 20	2 12	5 16	0 35	12 12	1 50	29 56	15 6	10 32	10 4	27 3		n.a.
W24	23 41	14 8	4 5	20 30	1 29	18 31	0 51	23 41	0 43	11 57	1 21	10 21	2 12	5 17	0 35	12 12	1 50	29 57	15 7	10 31	10 3	27 2		n.a.
T 25	23 43	7 57	3 14	20 12	1 42	18 15	1 2	23 46	0 44	11 53	1 21	10 23	2 12	5 17	0 35	12 13	1 50	29 57	15 7	10 30	10 2	27 1		n.a.
F 26	23 44	1 35	2 13	19 54	1 55	17 59	1 12	23 50	0 44	11 50	1 21	10 25	2 12	5 18	0 35	12 13	1 50	29 58	15 7	10 30	10 1	27 0		n.a.
S 27	23 45	4s42	1 7	19 36	2 9	17 42	1 23	23 54	0 45	11 47	1 21	10 27	2 12	5 18	0 35	12 14	1 50	29 58	15 8	10 30	10 0	26 59		n.a.
S 28	23 45	10 38	0s 2	19 20	2 22	17 26	1 34	23 58	0 45	11 43	1 21	10 29	2 12	5 19	0 35	12 14	1 50	29 59	15 8	10 30	9 58	26 58		n.a.
M29	23 45	16 1	1 8	19 4	2 35	17 10	1 45	24 2	0 46	11 40	1 20	10 30	2 13	5 19	0 35	12 14	1 50	29 59	15 8	10 30	9 57	26 57		n.a.
T 30	23n44	20s39	2s10	18n49	2s49	16n54	1s57	24n 6	0n46	11n37	1n20	10n32	2s13	5n20	0s35	12n15	1s50	30s 0	15s 8	10n29	9n56	26s56		n.a.

Julian Day Number = 1569630.5, Delta T = 04h18m35s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'41, Lahiri = - 9°41'41 Julian Calendar 1 June 416 BCE == Greg. Calendar 27 May 416 BCE

The year -415 astronomical counting style corresponds to year 416 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

JULY 416 BCE (-415) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 14 44	2♋37'49	4♐27	24♋10	7♌11	20♊12	3♍37	2♉55	14♈45	6♉53	17°R50	26°R46	25♈19	22♑30	n.a.	W 1
T 2	18 18 40	3°35'12	16°33	24°R12	7°26	20°50	3°46	3° 0	14°46	6°55	17♒49	26♈38	25°15	22°37	n.a.	T 2
F 3	18 22 37	4°32'36	28°34	24° 9	7°39	21°29	3°55	3° 5	14°47	6°56	17°48	26°28	25°12	22°43	n.a.	F 3
S 4	18 26 33	5°30'01	10♑30	24° 1	7°50	22° 8	4° 4	3°10	14°48	6°57	17°47	26°16	25° 9	22°50	n.a.	S 4
S 5	18 30 30	6°27'27	22°24	23°47	7°58	22°46	4°14	3°15	14°49	6°59	17°47	26° 3	25° 6	22°57	n.a.	S 5
M 6	18 34 26	7°24'54	4♒16	23°28	8° 5	23°25	4°23	3°20	14°50	7° 0	17°46	25°51	25° 3	23° 4	n.a.	M 6
T 7	18 38 23	8°22'22	16° 9	23° 3	8° 9	24° 3	4°33	3°25	14°51	7° 1	17°45	25°40	25° 0	23°10	n.a.	T 7
W 8	18 42 20	9°19'52	28° 4	22°34	8°R11	24°42	4°43	3°30	14°52	7° 3	17°44	25°31	24°56	23°17	n.a.	W 8
T 9	18 46 16	10°17'24	10♓ 6	22° 0	8°11	25°21	4°53	3°34	14°53	7° 4	17°43	25°25	24°53	23°24	n.a.	T 9
F 10	18 50 13	11°14'57	22°16	21°22	8° 8	25°59	5° 3	3°39	14°54	7° 5	17°42	25°22	24°50	23°30	n.a.	F 10
S 11	18 54 9	12°12'31	4♈41	20°39	8° 3	26°38	5°13	3°43	14°55	7° 6	17°41	25°20	24°47	23°37	n.a.	S 11
S 12	18 58 6	13°10'07	17°24	19°54	7°56	27°16	5°23	3°48	14°55	7° 7	17°40	25°D20	24°44	23°44	n.a.	S 12
M13	19 2 2	14° 7'45	0♉30	19° 6	7°46	27°54	5°33	3°52	14°56	7° 8	17°39	25°R20	24°41	23°51	n.a.	M13
T 14	19 5 59	15° 5'24	14° 3	18°16	7°34	28°33	5°43	3°56	14°57	7°10	17°38	25°19	24°37	23°57	n.a.	T 14
W15	19 9 55	16° 3'05	28° 4	17°26	7°20	29°11	5°54	4° 0	14°57	7°11	17°37	25°16	24°34	24° 4	n.a.	W15
T 16	19 13 52	17° 0'48	12♊35	16°35	7° 3	29°50	6° 4	4° 5	14°58	7°12	17°36	25°10	24°31	24°11	n.a.	T 16
F 17	19 17 49	17°58'33	27°30	15°46	6°44	0♋28	6°15	4° 8	14°59	7°13	17°35	25° 2	24°28	24°17	n.a.	F 17
S 18	19 21 45	18°56'19	12♋42	14°58	6°23	1° 6	6°25	4°12	14°59	7°14	17°34	24°52	24°25	24°24	n.a.	S 18
S 19	19 25 42	19°54'07	28° 2	14°14	6° 0	1°45	6°36	4°16	14°59	7°15	17°33	24°41	24°22	24°31	n.a.	S 19
M20	19 29 38	20°51'56	13♌17	13°34	5°35	2°23	6°47	4°20	15° 0	7°15	17°32	24°31	24°18	24°38	n.a.	M20
T 21	19 33 35	21°49'47	28°17	12°58	5° 7	3° 1	6°58	4°23	15° 0	7°16	17°31	24°22	24°15	24°44	n.a.	T 21
W22	19 37 31	22°47'39	12♍53	12°29	4°38	3°39	7° 8	4°27	15° 0	7°17	17°30	24°16	24°12	24°51	n.a.	W22
T 23	19 41 28	23°45'32	27° 2	12° 6	4° 7	4°18	7°20	4°30	15° 1	7°18	17°29	24°12	24° 9	24°58	n.a.	T 23
F 24	19 45 24	24°43'27	10♎42	11°49	3°35	4°56	7°31	4°34	15° 1	7°19	17°27	24°11	24° 6	25° 5	n.a.	F 24
S 25	19 49 21	25°41'23	23°55	11°41	3° 2	5°34	7°42	4°37	15° 1	7°19	17°26	24°10	24° 2	25°11	n.a.	S 25
S 26	19 53 18	26°39'21	6♏45	11°D40	2°27	6°12	7°53	4°40	15° 1	7°20	17°25	24°10	23°59	25°18	n.a.	S 26
M27	19 57 14	27°37'20	19°16	11°47	1°51	6°50	8° 4	4°43	15°R 1	7°21	17°24	24° 9	23°56	25°25	n.a.	M27
T 28	20 1 11	28°35'20	1♐33	12° 2	1°15	7°28	8°16	4°46	15° 1	7°22	17°23	24° 6	23°53	25°31	n.a.	T 28
W29	20 5 7	29°33'22	13°39	12°25	0°38	8° 7	8°27	4°49	15° 1	7°22	17°22	24° 0	23°50	25°38	n.a.	W29
T 30	20 9 4	0♑31'26	25°38	12°57	0° 1	8°45	8°39	4°51	15° 1	7°23	17°21	23°51	23°47	25°45	n.a.	T 30
F 31	20 13 0	1♑29'32	7♑32	13♋36	29♋24	9♋23	8♍50	4♉54	15♈ 0	7♉23	17♒19	23♈39	23♈43	25♑52	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n43	24s20	3s 5	18n35	3s 2	16n39	2s 8	24n 9	0n47	11n33	1n20	10n34	2s13	5n20	0s35	12n15	1s50	30s 0	15s 9	10n27	9n55	26s54		n.a.
T 2	23 42	26 54	3 51	18 22	3 14	16 23	2 20	24 13	0 47	11 30	1 20	10 35	2 13	5 21	0 36	12 16	1 50	30 1	15 9	10 24	9 54	26 53		n.a.
F 3	23 40	28 11	4 27	18 10	3 27	16 8	2 33	24 16	0 47	11 26	1 20	10 37	2 13	5 21	0 36	12 16	1 50	30 2	15 9	10 20	9 53	26 52		n.a.
S 4	23 38	28 8	4 50	18 0	3 38	15 53	2 45	24 18	0 48	11 22	1 19	10 38	2 13	5 22	0 36	12 17	1 50	30 2	15 10	10 16	9 51	26 51		n.a.
S 5	23 35	26 48	5 0	17 51	3 50	15 39	2 58	24 21	0 48	11 19	1 19	10 40	2 14	5 22	0 36	12 17	1 50	30 3	15 10	10 11	9 50	26 50		n.a.
M 6	23 32	24 15	4 58	17 44	4 0	15 25	3 11	24 24	0 49	11 15	1 19	10 42	2 14	5 22	0 36	12 17	1 50	30 3	15 10	10 7	9 49	26 49		n.a.
T 7	23 29	20 41	4 42	17 39	4 10	15 11	3 24	24 26	0 49	11 11	1 19	10 43	2 14	5 23	0 36	12 18	1 50	30 4	15 10	10 3	9 48	26 48		n.a.
W 8	23 25	16 16	4 14	17 35	4 18	14 58	3 37	24 28	0 50	11 8	1 19	10 44	2 14	5 23	0 36	12 18	1 50	30 4	15 11	10 0	9 47	26 46		n.a.
T 9	23 21	11 11	3 35	17 33	4 25	14 45	3 51	24 30	0 50	11 4	1 19	10 46	2 14	5 23	0 36	12 18	1 51	30 5	15 11	9 57	9 45	26 45		n.a.
F 10	23 16	5 38	2 45	17 34	4 31	14 32	4 4	24 32	0 51	11 0	1 18	10 47	2 14	5 24	0 36	12 19	1 51	30 5	15 11	9 56	9 44	26 44		n.a.
S 11	23 11	0n15	1 47	17 35	4 36	14 20	4 18	24 33	0 51	10 56	1 18	10 49	2 15	5 24	0 36	12 19	1 51	30 6	15 11	9 55	9 43	26 43		n.a.
S 12	23 5	6 16	0 42	17 39	4 39	14 9	4 31	24 35	0 52	10 52	1 18	10 50	2 15	5 24	0 36	12 19	1 51	30 6	15 12	9 55	9 42	26 42		n.a.
M13	22 59	12 13	0n27	17 45	4 40	13 58	4 45	24 36	0 52	10 48	1 18	10 51	2 15	5 25	0 36	12 20	1 51	30 7	15 12	9 55	9 41	26 41		n.a.
T 14	22 53	17 48	1 37	17 52	4 39	13 48	4 59	24 37	0 52	10 44	1 18	10 53	2 15	5 25	0 36	12 20	1 51	30 7	15 12	9 55	9 40	26 39		n.a.
W15	22 46	22 39	2 44	18 1	4 37	13 38	5 12	24 38	0 53	10 40	1 18	10 54	2 15	5 25	0 36	12 20	1 51	30 8	15 12	9 54	9 38	26 38		n.a.
T 16	22 39	26 16	3 42	18 12	4 32	13 30	5 26	24 38	0 53	10 36	1 18	10 55	2 16	5 25	0 36	12 21	1 51	30 8	15 12	9 52	9 37	26 37		n.a.
F 17	22 31	28 10	4 27	18 24	4 26	13 21	5 39	24 39	0 54	10 32	1 17	10 56	2 16	5 25	0 36	12 21	1 51	30 9	15 13	9 49	9 36	26 36		n.a.
S 18	22 23	28 0	4 53	18 38	4 18	13 14	5 52	24 39	0 54	10 28	1 17	10 57	2 16	5 26	0 36	12 21	1 51	30 10	15 13	9 45	9 35	26 34		n.a.
S 19	22 15	25 43	5 0	18 52	4 8	13 7	6 5	24 39	0 55	10 24	1 17	10 58	2 16	5 26	0 36	12 21	1 51	30 10	15 13	9 41	9 34	26 33		n.a.
M20	22 6	21 35	4 44	19 8	3 56	13 1	6 18	24 39	0 55	10 20	1 17	10 59	2 16	5 26	0 36	12 22	1 51	30 11	15 13	9 37	9 32	26 32		n.a.
T 21	21 57	16 7	4 10	19 24	3 44	12 55	6 30	24 38	0 56	10 15	1 17	11 1	2 16	5 26	0 36	12 22	1 51	30 11	15 13	9 34	9 31	26 31		n.a.
W22	21 48	9 52	3 19	19 41	3 29	12 51	6 42	24 38	0 56	10 11	1 17	11 2	2 17	5 26	0 36	12 22	1 51	30 12	15 14	9 32	9 30	26 29		n.a.
T 23	21 38	3 18	2 18	19 58	3 14	12 47	6 53	24 37	0 56	10 7	1 17	11 2	2 17	5 26	0 36	12 22	1 51	30 12	15 14	9 30	9 29	26 28		n.a.
F 24	21 27	3s12	1 11	20 15	2 58	12 44	7 4	24 36	0 57	10 3	1 16	11 3	2 17	5 26	0 36	12 23	1 51	30 13	15 14	9 30	9 28	26 27		n.a.
S 25	21 17	9 23	0 1	20 33	2 41	12 42	7 14	24 35	0 57	9 58	1 16	11 4	2 17	5 26	0 36	12 23	1 51	30 13	15 14	9 29	9 27	26 25		n.a.
S 26	21 6	14 59	1s 6	20 50	2 24	12 40	7 23	24 34	0 58	9 54	1 16	11 5	2 17	5 26	0 36	12 23	1 51	30 14	15 14	9 29	9 25	26 24		n.a.
M27	20 54	19 49	2 8	21 7	2 7	12 39	7 32	24 32	0 58	9 49	1 16	11 6	2 18	5 26	0 36	12 23	1 52	30 14	15 14	9 29	9 24	26 23		n.a.
T 28	20 42	23 44	3 3	21 23	1 49	12 39	7 40	24 30	0 59	9 45	1 16	11 7	2 18	5 26	0 36	12 23	1 52	30 15	15 15	9 28	9 23	26 22		n.a.
W29	20 30	26 32	3 49	21 39	1 31	12 40	7 47	24 29	0 59	9 41	1 16	11 8	2 18	5 26	0 36	12 23	1 52	30 15	15 15	9 25	9 22	26 20		n.a.
T 30	20 18	28 5	4 25	21 53	1 14	12 41	7 54	24 27	0 59	9 36	1 16	11 8	2 18	5 26	0 36	12 24	1 52	30 16	15 15	9 22	9 21	26 19		n.a.
F 31	20n 5	28s19	4s48	22n 6	0s57	12n44	7s59	24n24	1n 0	9n32	1n16	11n 9	2s19	5n26	0s36	12n24	1s52	30s16	15s15	9n18	9n19	26s18		n.a.

Julian Day Number = 1569660.5, Delta T = 04h18m34s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'37, Lahiri = - 9°41'37 Julian Calendar 1 July 416 BCE == Greg. Calendar 26 June 416 BCE

The year -415 astronomical counting style corresponds to year 416 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

AUGUST 416 BCE (-415) JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 16 57	2♌27'39	19♉25	14♋24	28°R47	10♋ 1	9♍ 2	4♉57	15°R 0	7♉24	17°R18	23°R26	23♈40	25♉58	n.a.	S 1
S 2	20 20 53	3°25'47	1♒18	15°19	28♋11	10°39	9°13	4°59	15♈ 0	7°24	17♒17	23♈12	23°37	26° 5	n.a.	S 2
M 3	20 24 50	4°23'58	13°12	16°21	27°36	11°17	9°25	5° 1	15° 0	7°25	17°16	22°59	23°34	26°12	n.a.	M 3
T 4	20 28 47	5°22'11	25° 9	17°30	27° 1	11°55	9°37	5° 3	14°59	7°25	17°15	22°47	23°31	26°19	n.a.	T 4
W 5	20 32 43	6°20'25	7♓ 9	18°45	26°28	12°33	9°49	5° 6	14°59	7°26	17°13	22°37	23°27	26°25	n.a.	W 5
T 6	20 36 40	7°18'41	19°16	20° 6	25°56	13°11	10° 1	5° 8	14°58	7°26	17°12	22°30	23°24	26°32	n.a.	T 6
F 7	20 40 36	8°17'00	1♈31	21°32	25°26	13°49	10°13	5° 9	14°58	7°26	17°11	22°26	23°21	26°39	n.a.	F 7
S 8	20 44 33	9°15'21	13°59	23° 3	24°57	14°26	10°25	5°11	14°57	7°27	17°10	22°24	23°18	26°45	n.a.	S 8
S 9	20 48 29	10°13'44	26°42	24°39	24°30	15° 4	10°37	5°13	14°56	7°27	17° 9	22°D24	23°15	26°52	n.a.	S 9
M10	20 52 26	11°12'09	9♉45	26°18	24° 6	15°42	10°49	5°14	14°56	7°27	17° 7	22°R24	23°12	26°59	n.a.	M10
T 11	20 56 22	12°10'36	23°11	28° 0	23°43	16°20	11° 1	5°16	14°55	7°27	17° 6	22°24	23° 8	27° 6	n.a.	T 11
W12	21 0 19	13° 9'06	7♊ 3	29°45	23°23	16°58	11°13	5°17	14°54	7°27	17° 5	22°22	23° 5	27°12	n.a.	W12
T 13	21 4 16	14° 7'39	21°22	1♌32	23° 4	17°36	11°26	5°19	14°53	7°28	17° 4	22°17	23° 2	27°19	n.a.	T 13
F 14	21 8 12	15° 6'13	6♋ 6	3°20	22°49	18°14	11°38	5°20	14°53	7°28	17° 2	22°10	22°59	27°26	n.a.	F 14
S 15	21 12 9	16° 4'50	21° 9	5°11	22°35	18°51	11°50	5°21	14°52	7°28	17° 1	22° 1	22°56	27°33	n.a.	S 15
S 16	21 16 5	17° 3'29	6♌23	7° 2	22°24	19°29	12° 3	5°22	14°51	7°R28	17° 0	21°52	22°53	27°39	n.a.	S 16
M17	21 20 2	18° 2'10	21°37	8°53	22°16	20° 7	12°15	5°22	14°50	7°28	16°59	21°42	22°49	27°46	n.a.	M17
T 18	21 23 58	19° 0'53	6♍39	10°46	22°10	20°45	12°28	5°23	14°49	7°28	16°58	21°34	22°46	27°53	n.a.	T 18
W19	21 27 55	19°59'38	21°22	12°38	22° 6	21°22	12°40	5°24	14°47	7°28	16°56	21°28	22°43	27°59	n.a.	W19
T 20	21 31 51	20°58'25	5♎38	14°30	22°D 4	22° 0	12°53	5°24	14°46	7°28	16°55	21°25	22°40	28° 6	n.a.	T 20
F 21	21 35 48	21°57'13	19°26	16°22	22° 5	22°38	13° 5	5°24	14°45	7°27	16°54	21°D24	22°37	28°13	n.a.	F 21
S 22	21 39 45	22°56'04	2♏45	18°13	22° 8	23°15	13°18	5°25	14°44	7°27	16°53	21°24	22°33	28°20	n.a.	S 22
S 23	21 43 41	23°54'57	15°39	20° 4	22°14	23°53	13°31	5°25	14°43	7°27	16°51	21°25	22°30	28°26	n.a.	S 23
M24	21 47 38	24°53'51	28°11	21°55	22°22	24°31	13°43	5°R25	14°41	7°27	16°50	21°R25	22°27	28°33	n.a.	M24
T 25	21 51 34	25°52'47	10♐27	23°45	22°32	25° 8	13°56	5°25	14°40	7°27	16°49	21°24	22°24	28°40	n.a.	T 25
W26	21 55 31	26°51'45	22°31	25°34	22°44	25°46	14° 9	5°25	14°39	7°26	16°48	21°21	22°21	28°46	n.a.	W26
T 27	21 59 27	27°50'46	4♑27	27°22	22°58	26°23	14°22	5°24	14°37	7°26	16°47	21°15	22°18	28°53	n.a.	T 27
F 28	22 3 24	28°49'48	16°19	29° 9	23°14	27° 1	14°35	5°24	14°36	7°26	16°45	21° 8	22°14	29° 0	n.a.	F 28
S 29	22 7 20	29°48'52	28°12	0♍56	23°32	27°38	14°47	5°23	14°34	7°25	16°44	20°58	22°11	29° 7	n.a.	S 29
S 30	22 11 17	0♍47'57	10♒ 6	2°41	23°52	28°16	15° 0	5°23	14°32	7°25	16°43	20°49	22° 8	29°13	n.a.	S 30
M31	22 15 13	1♍47'05	22♒ 4	4♍26	24♋14	28♋53	15♍13	5♉22	14♈31	7♉24	16♒42	20♈39	22♈ 5	29♉20	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n52	27s15	4s59	22n17	0s41	12n46	8s 4	24n22	1n 0	9n27	1n16	11n10	2s19	5n26	0s36	12n24	1s52	30s17	15s15	9n13	9n18	26s16		n.a.
S 2	19 38	24 57	4 57	22 27	0 25	12 50	8 7	24 19	1 1	9 22	1 15	11 10	2 19	5 26	0 36	12 24	1 52	30 17	15 15	9 8	9 17	26 15		n.a.
M 3	19 24	21 34	4 42	22 35	0 9	12 54	8 10	24 17	1 1	9 18	1 15	11 11	2 19	5 25	0 36	12 24	1 52	30 18	15 15	9 3	9 16	26 13		n.a.
T 4	19 10	17 17	4 14	22 40	0n 5	12 58	8 12	24 14	1 1	9 13	1 15	11 11	2 19	5 25	0 36	12 24	1 52	30 18	15 15	8 58	9 15	26 12		n.a.
W 5	18 56	12 19	3 35	22 44	0 19	13 3	8 13	24 10	1 2	9 9	1 15	11 12	2 20	5 25	0 36	12 24	1 52	30 19	15 15	8 55	9 14	26 11		n.a.
T 6	18 41	6 50	2 46	22 45	0 32	13 9	8 14	24 7	1 2	9 4	1 15	11 12	2 20	5 25	0 36	12 24	1 52	30 19	15 16	8 52	9 12	26 9		n.a.
F 7	18 26	1 2	1 48	22 43	0 43	13 15	8 13	24 4	1 3	8 59	1 15	11 13	2 20	5 25	0 36	12 24	1 52	30 20	15 16	8 50	9 11	26 8		n.a.
S 8	18 10	4n54	0 45	22 38	0 54	13 21	8 12	24 0	1 3	8 55	1 15	11 13	2 20	5 24	0 36	12 24	1 52	30 20	15 16	8 50	9 10	26 7		n.a.
S 9	17 54	10 47	0n23	22 31	1 4	13 28	8 9	23 56	1 4	8 50	1 15	11 13	2 20	5 24	0 36	12 24	1 52	30 21	15 16	8 50	9 9	26 5		n.a.
M10	17 38	16 21	1 31	22 21	1 13	13 35	8 6	23 52	1 4	8 45	1 15	11 14	2 21	5 24	0 36	12 24	1 52	30 21	15 16	8 50	9 8	26 4		n.a.
T 11	17 22	21 19	2 36	22 9	1 21	13 42	8 3	23 48	1 4	8 40	1 15	11 14	2 21	5 23	0 36	12 24	1 52	30 22	15 16	8 50	9 6	26 2		n.a.
W12	17 5	25 17	3 34	21 53	1 27	13 50	7 59	23 44	1 5	8 36	1 14	11 14	2 21	5 23	0 37	12 24	1 52	30 22	15 16	8 49	9 5	26 1		n.a.
T 13	16 48	27 47	4 20	21 35	1 33	13 58	7 54	23 39	1 5	8 31	1 14	11 15	2 21	5 23	0 37	12 24	1 53	30 23	15 16	8 47	9 4	25 59		n.a.
F 14	16 31	28 27	4 51	21 15	1 38	14 6	7 48	23 34	1 6	8 26	1 14	11 15	2 21	5 22	0 37	12 24	1 53	30 23	15 16	8 44	9 3	25 58		n.a.
S 15	16 13	27 2	5 3	20 52	1 42	14 14	7 42	23 29	1 6	8 21	1 14	11 15	2 22	5 22	0 37	12 24	1 53	30 23	15 16	8 41	9 2	25 57		n.a.
S 16	15 55	23 38	4 53	20 27	1 45	14 22	7 36	23 24	1 6	8 16	1 14	11 15	2 22	5 22	0 37	12 24	1 53	30 24	15 16	8 37	9 0	25 55		n.a.
M17	15 37	18 37	4 23	20 0	1 48	14 30	7 29	23 19	1 7	8 11	1 14	11 15	2 22	5 21	0 37	12 24	1 53	30 24	15 16	8 34	8 59	25 54		n.a.
T 18	15 19	12 30	3 35	19 30	1 49	14 38	7 22	23 14	1 7	8 6	1 14	11 15	2 22	5 21	0 37	12 24	1 53	30 25	15 16	8 31	8 58	25 52		n.a.
W19	15 0	5 48	2 33	18 59	1 50	14 46	7 14	23 8	1 8	8 1	1 14	11 15	2 23	5 20	0 37	12 24	1 53	30 25	15 16	8 29	8 57	25 51		n.a.
T 20	14 41	1s 0	1 23	18 27	1 50	14 54	7 6	23 3	1 8	7 57	1 14	11 15	2 23	5 20	0 37	12 24	1 53	30 26	15 16	8 27	8 56	25 49		n.a.
F 21	14 22	7 32	0 11	17 52	1 49	15 2	6 58	22 57	1 8	7 52	1 14	11 15	2 23	5 19	0 37	12 24	1 53	30 26	15 16	8 27	8 54	25 48		n.a.
S 22	14 3	13 32	1s 0	17 16	1 48	15 10	6 49	22 51	1 9	7 47	1 14	11 15	2 23	5 19	0 37	12 24	1 53	30 26	15 16	8 27	8 53	25 46		n.a.
S 23	13 43	18 44	2 6	16 40	1 46	15 18	6 41	22 44	1 9	7 42	1 14	11 15	2 23	5 18	0 37	12 24	1 53	30 27	15 16	8 27	8 52	25 45		n.a.
M24	13 23	22 59	3 4	16 1	1 44	15 25	6 32	22 38	1 10	7 37	1 14	11 14	2 24	5 18	0 37	12 24	1 53	30 27	15 16	8 28	8 51	25 43		n.a.
T 25	13 3	26 7	3 51	15 22	1 42	15 33	6 23	22 32	1 10	7 32	1 14	11 14	2 24	5 17	0 37	12 23	1 53	30 27	15 16	8 27	8 50	25 42		n.a.
W26	12 43	28 0	4 28	14 42	1 38	15 40	6 13	22 25	1 10	7 27	1 13	11 14	2 24	5 17	0 37	12 23	1 53	30 28	15 16	8 26	8 48	25 40		n.a.
T 27	12 23	28 33	4 53	14 1	1 35	15 47	6 4	22 18	1 11	7 21	1 13	11 14	2 24	5 16	0 37	12 23	1 53	30 28	15 16	8 24	8 47	25 39		n.a.
F 28	12 2	27 46	5 5	13 20	1 31	15 54	5 55	22 11	1 11	7 16	1 13	11 13	2 24	5 16	0 37	12 23	1 53	30 29	15 16	8 21	8 46	25 37		n.a.
S 29	11 41	25 44	5 3	12 38	1 27	16 0	5 45	22 4	1 11	7 11	1 13	11 13	2 25	5 15	0 37	12 23	1 53	30 29	15 16	8 17	8 45	25 35		n.a.
S 30	11 20	22 34	4 49	11 55	1 22	16 6	5 35	21 57	1 12	7 6	1 13	11 13	2 25	5 14	0 37	12 22	1 54	30 29	15 16	8 14	8 44	25 34		n.a.
M31	10n59	18s27	4s22	11n12	1n17	16n12	5s26	21n49	1n12	7n 1	1n13	11n12	2s25	5n14	0s37	12n22	1s54	30s30	15s16	8n10	8n42	25s32		n.a.

Julian Day Number = 1569691.5, Delta T = 04h18m33s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'33, Lahiri = - 9°41'33 Julian Calendar 1 Aug. 416 BCE == Greg. Calendar 27 July 416 BCE

The year -415 astronomical counting style corresponds to year 416 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

SEPTEMBER 416 BCE (-415) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 19 10	2♍46'15	4♓ 8	6♍10	24♋38	29♋31	15♍26	5°R21	14°R29	7°R24	16°R41	20°R30	22♈ 2	29♉27	n.a.	T 1
W 2	22 23 7	3°45'28	16°18	7°54	25° 3	0♌ 8	15°39	5♉20	14♈28	7♉23	16♒39	20♈24	21°59	29°34	n.a.	W 2
T 3	22 27 3	4°44'42	28°37	9°36	25°30	0°46	15°52	5°19	14°26	7°23	16°38	20°19	21°55	29°40	n.a.	T 3
F 4	22 31 0	5°43'59	11♈ 5	11°17	25°59	1°23	16° 5	5°18	14°24	7°22	16°37	20°17	21°52	29°47	n.a.	F 4
S 5	22 34 56	6°43'18	23°44	12°58	26°29	2° 1	16°18	5°16	14°22	7°21	16°36	20°D17	21°49	29°54	n.a.	S 5
S 6	22 38 53	7°42'39	6♉36	14°38	27° 1	2°38	16°31	5°15	14°20	7°21	16°35	20°17	21°46	0♒ 0	n.a.	S 6
M 7	22 42 49	8°42'03	19°44	16°17	27°34	3°15	16°44	5°13	14°19	7°20	16°34	20°19	21°43	0° 7	n.a.	M 7
T 8	22 46 46	9°41'29	3♊10	17°55	28° 9	3°53	16°57	5°12	14°17	7°19	16°33	20°20	21°39	0°14	n.a.	T 8
W 9	22 50 42	10°40'58	16°56	19°33	28°45	4°30	17°10	5°10	14°15	7°19	16°31	20°R20	21°36	0°21	n.a.	W 9
T 10	22 54 39	11°40'29	1♋ 3	21°10	29°22	5° 7	17°23	5° 8	14°13	7°18	16°30	20°18	21°33	0°27	n.a.	T 10
F 11	22 58 36	12°40'03	15°30	22°46	0♌ 1	5°45	17°36	5° 6	14°11	7°17	16°29	20°15	21°30	0°34	n.a.	F 11
S 12	23 2 32	13°39'39	0♌12	24°22	0°41	6°22	17°50	5° 4	14° 9	7°16	16°28	20°11	21°27	0°41	n.a.	S 12
S 13	23 6 29	14°39'18	15° 5	25°56	1°22	6°59	18° 3	5° 2	14° 7	7°15	16°27	20° 5	21°24	0°47	n.a.	S 13
M14	23 10 25	15°38'59	29°59	27°30	2° 4	7°37	18°16	5° 0	14° 5	7°14	16°26	20° 0	21°20	0°54	n.a.	M14
T 15	23 14 22	16°38'42	14♍49	29° 4	2°47	8°14	18°29	4°57	14° 2	7°13	16°25	19°56	21°17	1° 1	n.a.	T 15
W16	23 18 18	17°38'26	29°24	0♎37	3°31	8°51	18°42	4°55	14° 0	7°12	16°24	19°52	21°14	1° 8	n.a.	W16
T 17	23 22 15	18°38'13	13♎38	2° 9	4°16	9°28	18°55	4°52	13°58	7°11	16°23	19°D51	21°11	1°14	n.a.	T 17
F 18	23 26 11	19°38'02	27°28	3°40	5° 2	10° 5	19° 8	4°50	13°56	7°10	16°22	19°51	21° 8	1°21	n.a.	F 18
S 19	23 30 8	20°37'53	10♏51	5°11	5°49	10°43	19°22	4°47	13°54	7° 9	16°21	19°52	21° 5	1°28	n.a.	S 19
S 20	23 34 4	21°37'46	23°50	6°42	6°37	11°20	19°35	4°44	13°52	7° 8	16°20	19°54	21° 1	1°35	n.a.	S 20
M21	23 38 1	22°37'41	6♐27	8°11	7°26	11°57	19°48	4°41	13°49	7° 7	16°19	19°55	20°58	1°41	n.a.	M21
T 22	23 41 58	23°37'37	18°46	9°40	8°16	12°34	20° 1	4°38	13°47	7° 6	16°18	19°R56	20°55	1°48	n.a.	T 22
W23	23 45 54	24°37'36	0♑52	11° 9	9° 6	13°11	20°14	4°35	13°45	7° 5	16°17	19°56	20°52	1°55	n.a.	W23
T 24	23 49 51	25°37'36	12°49	12°37	9°57	13°48	20°27	4°32	13°42	7° 4	16°16	19°55	20°49	2° 1	n.a.	T 24
F 25	23 53 47	26°37'37	24°41	14° 4	10°49	14°25	20°40	4°28	13°40	7° 3	16°15	19°53	20°45	2° 8	n.a.	F 25
S 26	23 57 44	27°37'41	6♒34	15°30	11°42	15° 2	20°53	4°25	13°38	7° 1	16°14	19°50	20°42	2°15	n.a.	S 26
S 27	0 1 40	28°37'46	18°30	16°56	12°35	15°39	21° 7	4°22	13°35	7° 0	16°14	19°46	20°39	2°22	n.a.	S 27
M28	0 5 37	29°37'53	0♓33	18°21	13°29	16°16	21°20	4°18	13°33	6°59	16°13	19°43	20°36	2°28	n.a.	M28
T 29	0 9 33	0♎38'02	12°46	19°46	14°24	16°53	21°33	4°14	13°30	6°58	16°12	19°40	20°33	2°35	n.a.	T 29
W30	0 13 30	1♎38'13	25♓ 8	21♎ 9	15♌19	17♌30	21♍46	4♉11	13♈28	6♉56	16♒11	19♈37	20♈30	2♒42	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n37	13s34	3s42	10n29	1n12	16n17	5s16	21n42	1n13	6n56	1n13	11n12	2s25	5n13	0s37	12n22	1s54	30s30	15s16	8n 7	8n41	25s31		n.a.
W 2	10 15	8 7	2 53	9 45	1 7	16 22	5 6	21 34	1 13	6 51	1 13	11 11	2 25	5 12	0 37	12 22	1 54	30 30	15 16	8 4	8 40	25 29		n.a.
T 3	9 54	2 18	1 54	9 1	1 1	16 27	4 57	21 26	1 13	6 46	1 13	11 11	2 26	5 12	0 37	12 22	1 54	30 31	15 16	8 2	8 39	25 28		n.a.
F 4	9 32	3n41	0 50	8 16	0 55	16 31	4 47	21 18	1 14	6 41	1 13	11 10	2 26	5 11	0 37	12 21	1 54	30 31	15 15	8 1	8 38	25 26		n.a.
S 5	9 9	9 37	0n19	7 32	0 49	16 35	4 38	21 10	1 14	6 36	1 13	11 9	2 26	5 10	0 37	12 21	1 54	30 31	15 15	8 1	8 36	25 24		n.a.
S 6	8 47	15 16	1 27	6 47	0 43	16 39	4 28	21 2	1 14	6 30	1 13	11 9	2 26	5 9	0 37	12 21	1 54	30 31	15 15	8 2	8 35	25 23		n.a.
M 7	8 25	20 21	2 33	6 3	0 37	16 42	4 18	20 54	1 15	6 25	1 13	11 8	2 26	5 9	0 37	12 21	1 54	30 32	15 15	8 2	8 34	25 21		n.a.
T 8	8 2	24 31	3 32	5 18	0 30	16 44	4 9	20 45	1 15	6 20	1 13	11 7	2 27	5 8	0 37	12 20	1 54	30 32	15 15	8 3	8 33	25 20		n.a.
W 9	7 39	27 24	4 20	4 33	0 24	16 46	4 0	20 36	1 16	6 15	1 13	11 6	2 27	5 7	0 37	12 20	1 54	30 32	15 15	8 3	8 32	25 18		n.a.
T 10	7 16	28 38	4 53	3 49	0 17	16 48	3 50	20 28	1 16	6 10	1 13	11 6	2 27	5 6	0 37	12 20	1 54	30 32	15 15	8 2	8 30	25 16		n.a.
F 11	6 53	27 57	5 9	3 4	0 11	16 49	3 41	20 19	1 16	6 4	1 13	11 5	2 27	5 6	0 37	12 19	1 54	30 33	15 15	8 1	8 29	25 15		n.a.
S 12	6 30	25 20	5 6	2 20	0 4	16 49	3 32	20 10	1 17	5 59	1 13	11 4	2 27	5 5	0 37	12 19	1 54	30 33	15 15	7 59	8 28	25 13		n.a.
S 13	6 7	21 0	4 42	1 35	0s 3	16 49	3 23	20 0	1 17	5 54	1 13	11 3	2 28	5 4	0 37	12 19	1 54	30 33	15 14	7 57	8 27	25 11		n.a.
M14	5 44	15 20	3 59	0 51	0 10	16 49	3 14	19 51	1 17	5 49	1 13	11 2	2 28	5 3	0 37	12 18	1 54	30 33	15 14	7 55	8 26	25 10		n.a.
T 15	5 20	8 48	2 59	0 7	0 17	16 48	3 5	19 42	1 18	5 44	1 13	11 1	2 28	5 2	0 37	12 18	1 54	30 33	15 14	7 53	8 24	25 8		n.a.
W16	4 57	1 55	1 49	0s36	0 23	16 46	2 56	19 32	1 18	5 38	1 13	11 0	2 28	5 1	0 37	12 18	1 54	30 34	15 14	7 52	8 23	25 6		n.a.
T 17	4 33	4s56	0 34	1 20	0 30	16 44	2 47	19 22	1 19	5 33	1 13	10 59	2 28	5 1	0 37	12 17	1 54	30 34	15 14	7 52	8 22	25 5		n.a.
F 18	4 9	11 21	0s42	2 3	0 37	16 42	2 38	19 13	1 19	5 28	1 13	10 58	2 28	5 0	0 37	12 17	1 54	30 34	15 14	7 52	8 21	25 3		n.a.
S 19	3 46	17 3	1 53	2 46	0 44	16 38	2 30	19 3	1 19	5 23	1 13	10 57	2 29	4 59	0 37	12 17	1 55	30 34	15 13	7 52	8 20	25 1		n.a.
S 20	3 22	21 48	2 56	3 28	0 51	16 35	2 21	18 53	1 20	5 18	1 13	10 56	2 29	4 58	0 37	12 16	1 55	30 34	15 13	7 53	8 18	24 59		n.a.
M21	2 58	25 25	3 48	4 10	0 58	16 30	2 13	18 42	1 20	5 12	1 13	10 55	2 29	4 57	0 37	12 16	1 55	30 34	15 13	7 53	8 17	24 58		n.a.
T 22	2 34	27 44	4 29	4 52	1 4	16 26	2 5	18 32	1 20	5 7	1 13	10 54	2 29	4 56	0 37	12 15	1 55	30 35	15 13	7 54	8 16	24 56		n.a.
W23	2 10	28 42	4 57	5 33	1 11	16 20	1 57	18 22	1 21	5 2	1 13	10 53	2 29	4 55	0 37	12 15	1 55	30 35	15 13	7 54	8 15	24 54		n.a.
T 24	1 46	28 17	5 12	6 14	1 18	16 14	1 49	18 11	1 21	4 57	1 13	10 51	2 29	4 54	0 37	12 15	1 55	30 35	15 12	7 53	8 14	24 53		n.a.
F 25	1 21	26 35	5 13	6 54	1 24	16 8	1 41	18 1	1 21	4 51	1 13	10 50	2 29	4 53	0 37	12 14	1 55	30 35	15 12	7 52	8 12	24 51		n.a.
S 26	0 57	23 43	5 1	7 34	1 30	16 1	1 33	17 50	1 22	4 46	1 13	10 49	2 30	4 53	0 37	12 14	1 55	30 35	15 12	7 51	8 11	24 49		n.a.
S 27	0 33	19 50	4 36	8 13	1 37	15 53	1 25	17 39	1 22	4 41	1 13	10 48	2 30	4 52	0 37	12 13	1 55	30 35	15 12	7 50	8 10	24 47		n.a.
M28	0 9	15 7	3 58	8 52	1 43	15 45	1 18	17 28	1 22	4 36	1 13	10 46	2 30	4 51	0 37	12 13	1 55	30 35	15 12	7 48	8 9	24 45		n.a.
T 29	0s15	9 46	3 9	9 30	1 49	15 36	1 10	17 18	1 23	4 31	1 13	10 45	2 30	4 50	0 37	12 12	1 55	30 35	15 11	7 47	8 8	24 44		n.a.
W30	0s40	3s57	2s11	10s 7	1s54	15n27	1s 3	17n 6	1n23	4n25	1n13	10n43	2s30	4n49	0s37	12n12	1s55	30s35	15s11	7n46	8n 6	24s42		n.a.

Julian Day Number = 1569722.5, Delta T = 04h18m32s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'29, Lahiri = - 9°41'28 Julian Calendar 1 Sept. 416 BCE == Greg. Calendar 27 Aug. 416 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

OCTOBER 416 BCE (-415) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 17 27	2♎38'25	7♈43	22♎32	16♌15	18♌ 7	21♍59	4°R 7	13°R26	6°R55	16°R10	19°R36	20♈26	2♒48	n.a.	T 1
F 2	0 21 23	3°38'40	20°30	23°53	17°11	18°43	22°12	4♉ 3	13♈23	6♉54	16♒10	19°D36	20°23	2°55	n.a.	F 2
S 3	0 25 20	4°38'56	3♉30	25°14	18° 8	19°20	22°25	3°59	13°21	6°52	16° 9	19♈36	20°20	3° 2	n.a.	S 3
S 4	0 29 16	5°39'14	16°42	26°34	19° 6	19°57	22°38	3°55	13°18	6°51	16° 8	19°37	20°17	3° 9	n.a.	S 4
M 5	0 33 13	6°39'35	0♊ 7	27°52	20° 4	20°34	22°51	3°51	13°16	6°49	16° 7	19°38	20°14	3°15	n.a.	M 5
T 6	0 37 9	7°39'58	13°45	29° 9	21° 3	21°11	23° 4	3°47	13°13	6°48	16° 7	19°39	20°10	3°22	n.a.	T 6
W 7	0 41 6	8°40'23	27°36	0♏25	22° 2	21°47	23°17	3°43	13°11	6°47	16° 6	19°40	20° 7	3°29	n.a.	W 7
T 8	0 45 2	9°40'49	11♋38	1°39	23° 2	22°24	23°30	3°38	13° 8	6°45	16° 5	19°R40	20° 4	3°36	n.a.	T 8
F 9	0 48 59	10°41'18	25°51	2°51	24° 2	23° 1	23°42	3°34	13° 6	6°44	16° 5	19°40	20° 1	3°42	n.a.	F 9
S 10	0 52 56	11°41'49	10♌12	4° 1	25° 2	23°37	23°55	3°30	13° 3	6°42	16° 4	19°39	19°58	3°49	n.a.	S 10
S 11	0 56 52	12°42'22	24°38	5° 9	26° 3	24°14	24° 8	3°25	13° 1	6°41	16° 3	19°38	19°55	3°56	n.a.	S 11
M12	1 0 49	13°42'57	9♍ 5	6°15	27° 5	24°51	24°21	3°21	12°58	6°39	16° 3	19°37	19°51	4° 2	n.a.	M12
T 13	1 4 45	14°43'34	23°28	7°17	28° 7	25°27	24°34	3°16	12°56	6°38	16° 2	19°37	19°48	4° 9	n.a.	T 13
W14	1 8 42	15°44'12	7♎40	8°17	29° 9	26° 4	24°46	3°11	12°53	6°36	16° 2	19°37	19°45	4°16	n.a.	W14
T 15	1 12 38	16°44'52	21°38	9°12	0♍11	26°40	24°59	3° 7	12°51	6°34	16° 1	19°D36	19°42	4°23	n.a.	T 15
F 16	1 16 35	17°45'33	5♏19	10° 4	1°14	27°17	25°12	3° 2	12°48	6°33	16° 1	19°37	19°39	4°29	n.a.	F 16
S 17	1 20 31	18°46'16	18°38	10°51	2°18	27°53	25°24	2°57	12°46	6°31	16° 0	19°37	19°36	4°36	n.a.	S 17
S 18	1 24 28	19°47'01	1♐37	11°32	3°21	28°30	25°37	2°53	12°44	6°30	16° 0	19°R37	19°32	4°43	n.a.	S 18
M19	1 28 25	20°47'47	14°17	12° 8	4°25	29° 6	25°50	2°48	12°41	6°28	15°59	19°37	19°29	4°49	n.a.	M19
T 20	1 32 21	21°48'34	26°39	12°38	5°30	29°43	26° 2	2°43	12°39	6°26	15°59	19°36	19°26	4°56	n.a.	T 20
W21	1 36 18	22°49'22	8♑47	12°59	6°34	0♍19	26°15	2°38	12°36	6°25	15°59	19°36	19°23	5° 3	n.a.	W21
T 22	1 40 14	23°50'12	20°45	13°13	7°39	0°55	26°27	2°33	12°34	6°23	15°58	19°D36	19°20	5°10	n.a.	T 22
F 23	1 44 11	24°51'02	2♒38	13°R18	8°45	1°32	26°39	2°28	12°31	6°21	15°58	19°36	19°16	5°16	n.a.	F 23
S 24	1 48 7	25°51'54	14°30	13°13	9°50	2° 8	26°52	2°23	12°29	6°20	15°58	19°36	19°13	5°23	n.a.	S 24
S 25	1 52 4	26°52'46	26°27	12°58	10°56	2°44	27° 4	2°18	12°26	6°18	15°57	19°37	19°10	5°30	n.a.	S 25
M26	1 56 0	27°53'40	8♓33	12°33	12° 2	3°20	27°16	2°13	12°24	6°16	15°57	19°38	19° 7	5°36	n.a.	M26
T 27	1 59 57	28°54'34	20°50	11°56	13° 8	3°56	27°28	2° 9	12°22	6°15	15°57	19°39	19° 4	5°43	n.a.	T 27
W28	2 3 54	29°55'30	3♈23	11° 8	14°15	4°33	27°40	2° 4	12°19	6°13	15°57	19°40	19° 1	5°50	n.a.	W28
T 29	2 7 50	0♏56'27	16°12	10°11	15°22	5° 9	27°52	1°59	12°17	6°11	15°57	19°R40	18°57	5°57	n.a.	T 29
F 30	2 11 47	1°57'24	29°20	9° 4	16°29	5°45	28° 4	1°54	12°15	6°10	15°56	19°40	18°54	6° 3	n.a.	F 30
S 31	2 15 43	2♏58'23	12♉44	7♏50	17♍36	6♍21	28♍16	1♉49	12♈12	6♉ 8	15♒56	19♈39	18♈51	6♒10	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	1s 4	2n 6	1s 5	10s43	2s 0	15n17	0s56	16n55	1n24	4n20	1n13	10n42	2s30	4n48	0s37	12n11	1s55	30s35	15s11	7n46	8n 5	24s40			n.a.
F 2	1 28	8 11	0n 5	11 19	2 5	15 6	0 49	16 44	1 24	4 15	1 13	10 41	2 30	4 47	0 37	12 11	1 55	30 35	15 11	7 46	8 4	24 38			n.a.
S 3	1 52	14 2	1 16	11 54	2 10	14 55	0 42	16 33	1 24	4 10	1 13	10 39	2 30	4 46	0 37	12 10	1 55	30 35	15 10	7 46	8 3	24 37			n.a.
S 4	2 16	19 21	2 24	12 28	2 15	14 44	0 35	16 21	1 25	4 5	1 13	10 38	2 30	4 45	0 37	12 10	1 55	30 35	15 10	7 46	8 1	24 35			n.a.
M 5	2 41	23 47	3 26	13 1	2 20	14 32	0 29	16 10	1 25	4 0	1 13	10 36	2 30	4 44	0 37	12 9	1 55	30 35	15 10	7 47	8 0	24 33			n.a.
T 6	3 5	26 59	4 17	13 33	2 24	14 19	0 22	15 58	1 25	3 54	1 13	10 35	2 31	4 43	0 37	12 9	1 55	30 35	15 10	7 47	7 59	24 31			n.a.
W 7	3 29	28 37	4 53	14 4	2 28	14 6	0 16	15 46	1 26	3 49	1 13	10 33	2 31	4 42	0 37	12 8	1 55	30 35	15 9	7 47	7 58	24 29			n.a.
T 8	3 53	28 26	5 13	14 33	2 31	13 52	0 9	15 35	1 26	3 44	1 13	10 32	2 31	4 41	0 37	12 8	1 55	30 35	15 9	7 47	7 57	24 27			n.a.
F 9	4 17	26 24	5 15	15 2	2 34	13 38	0 3	15 23	1 26	3 39	1 13	10 30	2 31	4 40	0 37	12 7	1 55	30 35	15 9	7 47	7 55	24 26			n.a.
S 10	4 41	22 40	4 57	15 29	2 37	13 23	0n 3	15 11	1 27	3 34	1 13	10 29	2 31	4 39	0 37	12 7	1 55	30 35	15 9	7 47	7 54	24 24			n.a.
S 11	5 5	17 33	4 20	15 54	2 39	13 8	0 9	14 59	1 27	3 29	1 13	10 27	2 31	4 38	0 37	12 6	1 55	30 35	15 8	7 47	7 53	24 22			n.a.
M12	5 29	11 26	3 26	16 18	2 41	12 52	0 14	14 47	1 27	3 24	1 14	10 26	2 31	4 37	0 37	12 6	1 55	30 35	15 8	7 46	7 52	24 20			n.a.
T 13	5 53	4 46	2 20	16 40	2 42	12 36	0 20	14 34	1 28	3 19	1 14	10 24	2 31	4 36	0 37	12 5	1 55	30 35	15 8	7 46	7 51	24 18			n.a.
W14	6 16	2s 5	1 6	17 0	2 42	12 19	0 25	14 22	1 28	3 14	1 14	10 22	2 31	4 35	0 37	12 5	1 55	30 35	15 7	7 46	7 49	24 16			n.a.
T 15	6 40	8 43	0s11	17 18	2 42	12 2	0 31	14 10	1 28	3 9	1 14	10 21	2 31	4 34	0 37	12 4	1 55	30 35	15 7	7 46	7 48	24 14			n.a.
F 16	7 3	14 48	1 26	17 33	2 40	11 44	0 36	13 57	1 29	3 3	1 14	10 19	2 31	4 33	0 37	12 4	1 55	30 35	15 7	7 46	7 47	24 13			n.a.
S 17	7 27	20 4	2 34	17 46	2 38	11 26	0 41	13 45	1 29	2 58	1 14	10 17	2 31	4 32	0 37	12 3	1 55	30 34	15 7	7 46	7 46	24 11			n.a.
S 18	7 50	24 13	3 32	17 57	2 35	11 7	0 46	13 32	1 29	2 53	1 14	10 16	2 31	4 31	0 37	12 3	1 55	30 34	15 6	7 46	7 44	24 9			n.a.
M19	8 13	27 5	4 19	18 4	2 31	10 48	0 51	13 20	1 30	2 48	1 14	10 14	2 31	4 30	0 37	12 2	1 55	30 34	15 6	7 46	7 43	24 7			n.a.
T 20	8 36	28 34	4 52	18 8	2 26	10 28	0 55	13 7	1 30	2 44	1 14	10 12	2 31	4 29	0 37	12 1	1 55	30 34	15 6	7 46	7 42	24 5			n.a.
W21	8 59	28 38	5 11	18 9	2 19	10 8	1 0	12 54	1 30	2 39	1 14	10 11	2 31	4 28	0 37	12 1	1 55	30 34	15 5	7 46	7 41	24 3			n.a.
T 22	9 22	27 20	5 17	18 5	2 11	9 48	1 4	12 42	1 31	2 34	1 14	10 9	2 31	4 27	0 37	12 0	1 55	30 34	15 5	7 46	7 40	24 1			n.a.
F 23	9 45	24 50	5 9	17 58	2 2	9 27	1 9	12 29	1 31	2 29	1 14	10 7	2 31	4 27	0 37	12 0	1 55	30 33	15 5	7 46	7 38	23 59			n.a.
S 24	10 7	21 16	4 48	17 46	1 51	9 6	1 13	12 16	1 31	2 24	1 14	10 6	2 31	4 26	0 37	11 59	1 55	30 33	15 4	7 46	7 37	23 57			n.a.
S 25	10 29	16 50	4 14	17 29	1 38	8 44	1 17	12 3	1 32	2 19	1 14	10 4	2 31	4 25	0 37	11 59	1 55	30 33	15 4	7 46	7 36	23 55			n.a.
M26	10 52	11 41	3 29	17 8	1 24	8 23	1 21	11 50	1 32	2 14	1 15	10 2	2 31	4 24	0 37	11 58	1 55	30 33	15 4	7 47	7 35	23 53			n.a.
T 27	11 14	6 1	2 33	16 41	1 8	8 0	1 24	11 37	1 32	2 9	1 15	10 1	2 31	4 23	0 37	11 58	1 55	30 33	15 4	7 47	7 33	23 51			n.a.
W28	11 35	0n 0	1 29	16 10	0 51	7 38	1 28	11 24	1 33	2 5	1 15	9 59	2 31	4 22	0 37	11 57	1 56	30 32	15 3	7 47	7 32	23 49			n.a.
T 29	11 57	6 10	0 19	15 34	0 32	7 15	1 31	11 11	1 33	2 0	1 15	9 57	2 31	4 21	0 37	11 56	1 56	30 32	15 3	7 47	7 31	23 47			n.a.
F 30	12 18	12 12	0n53	14 54	0 12	6 51	1 35	10 58	1 33	1 55	1 15	9 56	2 31	4 20	0 37	11 56	1 56	30 32	15 3	7 47	7 30	23 45			n.a.
S 31	12s40	17n50	2n 4	14s10	0n 8	6n28	1n38	10n45	1n34	1n50	1n15	9n54	2s31	4n19	0s37	11n55	1s56	30s32	15s 2	7n47	7n29	23s43			n.a.

Julian Day Number = 1569752.5, Delta T = 04h18m30s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'25, Lahiri = - 9°41'24 Julian Calendar 1 Oct. 416 BCE == Greg. Calendar 26 Sept. 416 BCE

The year -415 astronomical counting style corresponds to year 416 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

NOVEMBER 416 BCE (-415) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 19 40	3♏59'23	26♉24	6°R30	18♍44	6♍57	28♍28	1°R44	12°R10	6°R 6	15°R56	19°R38	18♈48	6♒17	n.a.	S 1
M 2	2 23 36	5° 0'25	10♊17	5♏ 7	19°51	7°33	28°40	1♉39	12♈ 8	6♉ 5	15♒56	19♈36	18°45	6°23	n.a.	M 2
T 3	2 27 33	6° 1'27	24°19	3°45	20°59	8° 9	28°52	1°34	12° 6	6° 3	15°56	19°33	18°42	6°30	n.a.	T 3
W 4	2 31 29	7° 2'31	8♋28	2°25	22° 8	8°45	29° 4	1°29	12° 3	6° 1	15°56	19°31	18°38	6°37	n.a.	W 4
T 5	2 35 26	8° 3'36	22°39	1°11	23°16	9°20	29°15	1°24	12° 1	5°59	15°D56	19°30	18°35	6°44	n.a.	T 5
F 6	2 39 23	9° 4'42	6♌51	0° 4	24°25	9°56	29°27	1°19	11°59	5°58	15°56	19°D29	18°32	6°50	n.a.	F 6
S 7	2 43 19	10° 5'50	21° 1	29♎ 7	25°33	10°32	29°38	1°14	11°57	5°56	15°56	19°29	18°29	6°57	n.a.	S 7
S 8	2 47 16	11° 6'58	5♍ 6	28°20	26°42	11° 8	29°50	1° 9	11°55	5°54	15°56	19°30	18°26	7° 4	n.a.	S 8
M 9	2 51 12	12° 8'08	19° 6	27°44	27°52	11°43	0♎ 1	1° 4	11°53	5°53	15°56	19°32	18°22	7°11	n.a.	M 9
T 10	2 55 9	13° 9'18	2♎59	27°20	29° 1	12°19	0°12	0°59	11°51	5°51	15°56	19°33	18°19	7°17	n.a.	T 10
W11	2 59 5	14°10'29	16°43	27° 7	0♎10	12°55	0°24	0°55	11°49	5°49	15°57	19°R34	18°16	7°24	n.a.	W11
T 12	3 3 2	15°11'42	0♏15	27°D 4	1°20	13°30	0°35	0°50	11°47	5°48	15°57	19°34	18°13	7°31	n.a.	T 12
F 13	3 6 58	16°12'55	13°35	27°11	2°30	14° 6	0°46	0°45	11°45	5°46	15°57	19°32	18°10	7°37	n.a.	F 13
S 14	3 10 55	17°14'08	26°41	27°28	3°40	14°41	0°57	0°40	11°43	5°44	15°57	19°29	18° 7	7°44	n.a.	S 14
S 15	3 14 52	18°15'22	9♐31	27°52	4°50	15°17	1° 8	0°36	11°41	5°43	15°57	19°24	18° 3	7°51	n.a.	S 15
M16	3 18 48	19°16'37	22° 6	28°25	6° 0	15°52	1°18	0°31	11°39	5°41	15°58	19°19	18° 0	7°58	n.a.	M16
T 17	3 22 45	20°17'52	4♑26	29° 4	7°11	16°27	1°29	0°27	11°37	5°39	15°58	19°13	17°57	8° 4	n.a.	T 17
W18	3 26 41	21°19'07	16°34	29°49	8°21	17° 2	1°40	0°22	11°36	5°38	15°58	19° 8	17°54	8°11	n.a.	W18
T 19	3 30 38	22°20'23	28°32	0♏39	9°32	17°38	1°50	0°18	11°34	5°36	15°59	19° 4	17°51	8°18	n.a.	T 19
F 20	3 34 34	23°21'38	10♒25	1°34	10°42	18°13	2° 1	0°13	11°32	5°34	15°59	19° 2	17°48	8°24	n.a.	F 20
S 21	3 38 31	24°22'54	22°16	2°33	11°53	18°48	2°11	0° 9	11°31	5°33	15°59	19°D 0	17°44	8°31	n.a.	S 21
S 22	3 42 28	25°24'09	4♓11	3°36	13° 4	19°23	2°21	0° 5	11°29	5°31	16° 0	19° 1	17°41	8°38	n.a.	S 22
M23	3 46 24	26°25'25	16°15	4°41	14°15	19°58	2°32	0° 0	11°27	5°30	16° 0	19° 2	17°38	8°45	n.a.	M23
T 24	3 50 21	27°26'40	28°32	5°50	15°27	20°33	2°42	29♈56	11°26	5°28	16° 1	19° 4	17°35	8°51	n.a.	T 24
W25	3 54 17	28°27'55	11♈ 7	7° 1	16°38	21° 8	2°52	29°52	11°24	5°27	16° 1	19° 5	17°32	8°58	n.a.	W25
T 26	3 58 14	29°29'11	24° 4	8°15	17°49	21°43	3° 1	29°48	11°23	5°25	16° 2	19°R 6	17°28	9° 5	n.a.	T 26
F 27	4 2 10	0♐30'26	7♉25	9°30	19° 1	22°17	3°11	29°44	11°22	5°23	16° 2	19° 4	17°25	9°11	n.a.	F 27
S 28	4 6 7	1°31'41	21° 9	10°47	20°12	22°52	3°21	29°41	11°20	5°22	16° 3	19° 0	17°22	9°18	n.a.	S 28
S 29	4 10 3	2°32'56	5♊14	12° 5	21°24	23°27	3°30	29°37	11°19	5°20	16° 3	18°55	17°19	9°25	n.a.	S 29
M30	4 14 0	3♐34'11	19♊37	13♏25	22♎36	24♍ 1	3♎40	29♈33	11♈18	5♉19	16♒ 4	18♈48	17♈16	9♒32	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s 1	22n40	3n 9	13s24	0n29	6n 4	1n41	10n31	1n34	1n46	1n15	9n52	2s31	4n18	0s37	11n55	1s56	30s31	15s 2	7n46	7n27	23s41		n.a.
M 2	13 21	26 18	4 4	12 37	0 49	5 39	1 44	10 18	1 34	1 41	1 15	9 51	2 31	4 17	0 37	11 54	1 55	30 31	15 2	7 46	7 26	23 39		n.a.
T 3	13 42	28 22	4 45	11 51	1 9	5 15	1 47	10 5	1 34	1 36	1 15	9 49	2 31	4 17	0 37	11 54	1 55	30 31	15 1	7 45	7 25	23 37		n.a.
W 4	14 2	28 37	5 9	11 6	1 27	4 50	1 50	9 51	1 35	1 32	1 15	9 47	2 30	4 16	0 37	11 53	1 55	30 31	15 1	7 44	7 24	23 35		n.a.
T 5	14 22	26 59	5 15	10 25	1 44	4 25	1 52	9 38	1 35	1 27	1 16	9 46	2 30	4 15	0 37	11 53	1 55	30 30	15 1	7 43	7 22	23 33		n.a.
F 6	14 42	23 39	5 1	9 47	1 59	4 0	1 55	9 25	1 35	1 23	1 16	9 44	2 30	4 14	0 37	11 52	1 55	30 30	15 0	7 43	7 21	23 31		n.a.
S 7	15 2	18 55	4 29	9 15	2 12	3 34	1 57	9 11	1 36	1 18	1 16	9 43	2 30	4 13	0 37	11 51	1 55	30 30	15 0	7 43	7 20	23 29		n.a.
S 8	15 21	13 10	3 41	8 48	2 22	3 8	1 59	8 58	1 36	1 14	1 16	9 41	2 30	4 12	0 37	11 51	1 55	30 29	15 0	7 44	7 19	23 27		n.a.
M 9	15 40	6 48	2 40	8 27	2 31	2 42	2 1	8 44	1 36	1 9	1 16	9 39	2 30	4 12	0 37	11 50	1 55	30 29	14 59	7 44	7 18	23 25		n.a.
T 10	15 59	0 10	1 30	8 13	2 37	2 16	2 3	8 31	1 37	1 5	1 16	9 38	2 30	4 11	0 37	11 50	1 55	30 29	14 59	7 45	7 16	23 23		n.a.
W11	16 18	6s25	0 16	8 4	2 42	1 50	2 5	8 17	1 37	1 0	1 16	9 36	2 30	4 10	0 37	11 49	1 55	30 28	14 59	7 45	7 15	23 21		n.a.
T 12	16 36	12 37	0s58	8 0	2 45	1 23	2 6	8 4	1 37	0 56	1 16	9 35	2 30	4 9	0 37	11 49	1 55	30 28	14 58	7 45	7 14	23 19		n.a.
F 13	16 54	18 9	2 8	8 2	2 46	0 57	2 8	7 50	1 38	0 52	1 17	9 33	2 29	4 9	0 37	11 48	1 55	30 27	14 58	7 44	7 13	23 17		n.a.
S 14	17 12	22 44	3 9	8 8	2 46	0 30	2 9	7 36	1 38	0 47	1 17	9 32	2 29	4 8	0 37	11 48	1 55	30 27	14 58	7 43	7 11	23 15		n.a.
S 15	17 29	26 7	4 0	8 18	2 44	0 3	2 11	7 23	1 38	0 43	1 17	9 30	2 29	4 7	0 37	11 47	1 55	30 27	14 57	7 41	7 10	23 13		n.a.
M16	17 46	28 8	4 38	8 32	2 42	0s24	2 12	7 9	1 38	0 39	1 17	9 29	2 29	4 6	0 36	11 46	1 55	30 26	14 57	7 39	7 9	23 11		n.a.
T 17	18 3	28 42	5 1	8 49	2 38	0 51	2 13	6 55	1 39	0 35	1 17	9 27	2 29	4 6	0 36	11 46	1 55	30 26	14 57	7 37	7 8	23 9		n.a.
W18	18 19	27 51	5 11	9 9	2 34	1 18	2 14	6 42	1 39	0 30	1 17	9 26	2 29	4 5	0 36	11 45	1 55	30 26	14 56	7 35	7 7	23 6		n.a.
T 19	18 35	25 44	5 7	9 31	2 29	1 46	2 15	6 28	1 39	0 26	1 17	9 24	2 28	4 4	0 36	11 45	1 55	30 25	14 56	7 34	7 5	23 4		n.a.
F 20	18 51	22 30	4 50	9 56	2 24	2 13	2 15	6 15	1 40	0 22	1 18	9 23	2 28	4 4	0 36	11 44	1 55	30 25	14 56	7 33	7 4	23 2		n.a.
S 21	19 7	18 22	4 21	10 22	2 18	2 41	2 16	6 1	1 40	0 18	1 18	9 22	2 28	4 3	0 36	11 44	1 55	30 24	14 55	7 32	7 3	23 0		n.a.
S 22	19 22	13 30	3 40	10 49	2 11	3 8	2 16	5 47	1 40	0 14	1 18	9 20	2 28	4 3	0 36	11 43	1 55	30 24	14 55	7 32	7 2	22 58		n.a.
M23	19 36	8 5	2 49	11 18	2 5	3 36	2 17	5 34	1 40	0 10	1 18	9 19	2 28	4 2	0 36	11 43	1 55	30 23	14 55	7 33	7 0	22 56		n.a.
T 24	19 51	2 16	1 49	11 47	1 58	4 3	2 17	5 20	1 41	0 6	1 18	9 18	2 28	4 1	0 36	11 42	1 55	30 23	14 54	7 34	6 59	22 54		n.a.
W25	20 4	3n48	0 43	12 18	1 51	4 31	2 17	5 6	1 41	0 3	1 18	9 16	2 27	4 1	0 36	11 42	1 55	30 22	14 54	7 34	6 58	22 52		n.a.
T 26	20 18	9 52	0n27	12 48	1 43	4 58	2 17	4 53	1 41	0s 1	1 18	9 15	2 27	4 0	0 36	11 41	1 55	30 22	14 54	7 34	6 57	22 49		n.a.
F 27	20 31	15 42	1 38	13 20	1 36	5 26	2 17	4 39	1 42	0 5	1 19	9 14	2 27	4 0	0 36	11 41	1 55	30 22	14 54	7 34	6 55	22 47		n.a.
S 28	20 44	20 55	2 45	13 51	1 28	5 53	2 17	4 25	1 42	0 9	1 19	9 13	2 27	3 59	0 36	11 40	1 55	30 21	14 53	7 32	6 54	22 45		n.a.
S 29	20 56	25 6	3 43	14 23	1 20	6 20	2 17	4 12	1 42	0 12	1 19	9 12	2 26	3 59	0 36	11 40	1 55	30 21	14 53	7 30	6 53	22 43		n.a.
M30	21s 8	27n48	4n29	14s55	1n13	6s48	2n16	3n58	1n42	0s16	1n19	9n11	2s26	3n58	0s36	11n40	1s55	30s20	14s53	7n27	6n52	22s41		n.a.

Julian Day Number = 1569783.5, Delta T = 04h18m29s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'21, Lahiri = - 9°41'20 Julian Calendar 1 Nov. 416 BCE == Greg. Calendar 27 Oct. 416 BCE

The year -415 astronomical counting style corresponds to year 416 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 416 BCE
geocentric

DECEMBER 416 BCE (-415) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 17 57	4♐35'26	4♋10	14♏46	23♎48	24♍36	3♎49	29°R29	11°R16	5°R18	16♒ 5	18°R40	17♈13	9♒38	n.a.	T 1
W 2	4 21 53	5°36'42	18°46	16° 9	25° 0	25°10	3°59	29♈26	11♈15	5♉16	16° 5	18♈33	17° 9	9°45	n.a.	W 2
T 3	4 25 50	6°37'57	3♌20	17°32	26°12	25°45	4° 8	29°22	11°14	5°15	16° 6	18°27	17° 6	9°52	n.a.	T 3
F 4	4 29 46	7°39'12	17°45	18°56	27°24	26°19	4°17	29°19	11°13	5°13	16° 7	18°23	17° 3	9°58	n.a.	F 4
S 5	4 33 43	8°40'27	1♍59	20°21	28°36	26°53	4°26	29°16	11°12	5°12	16° 7	18°21	17° 0	10° 5	n.a.	S 5
S 6	4 37 39	9°41'43	15°58	21°47	29°48	27°28	4°34	29°13	11°11	5°11	16° 8	18°D21	16°57	10°12	n.a.	S 6
M 7	4 41 36	10°42'58	29°43	23°13	1♏ 1	28° 2	4°43	29°10	11°10	5° 9	16° 9	18°22	16°53	10°19	n.a.	M 7
T 8	4 45 32	11°44'13	13♎14	24°40	2°13	28°36	4°51	29° 7	11° 9	5° 8	16°10	18°R23	16°50	10°25	n.a.	T 8
W 9	4 49 29	12°45'28	26°33	26° 8	3°25	29°10	5° 0	29° 4	11° 8	5° 7	16°10	18°23	16°47	10°32	n.a.	W 9
T 10	4 53 26	13°46'43	9♏40	27°36	4°38	29°44	5° 8	29° 1	11° 8	5° 5	16°11	18°20	16°44	10°39	n.a.	T 10
F 11	4 57 22	14°47'58	22°37	29° 5	5°51	0♎18	5°16	28°58	11° 7	5° 4	16°12	18°15	16°41	10°45	n.a.	F 11
S 12	5 1 19	15°49'12	5♐22	0♐35	7° 3	0°51	5°24	28°56	11° 6	5° 3	16°13	18° 8	16°38	10°52	n.a.	S 12
S 13	5 5 15	16°50'26	17°57	2° 5	8°16	1°25	5°32	28°53	11° 5	5° 2	16°14	17°58	16°34	10°59	n.a.	S 13
M14	5 9 12	17°51'39	0♑21	3°35	9°29	1°59	5°40	28°51	11° 5	5° 1	16°15	17°46	16°31	11° 6	n.a.	M14
T 15	5 13 8	18°52'51	12°34	5° 7	10°42	2°32	5°48	28°48	11° 4	4°59	16°16	17°34	16°28	11°12	n.a.	T 15
W16	5 17 5	19°54'03	24°38	6°38	11°54	3° 6	5°55	28°46	11° 4	4°58	16°17	17°22	16°25	11°19	n.a.	W16
T 17	5 21 2	20°55'14	6♒34	8°11	13° 7	3°39	6° 2	28°44	11° 3	4°57	16°18	17°12	16°22	11°26	n.a.	T 17
F 18	5 24 58	21°56'24	18°25	9°43	14°20	4°12	6°10	28°42	11° 3	4°56	16°19	17° 4	16°19	11°32	n.a.	F 18
S 19	5 28 55	22°57'32	0♓14	11°17	15°33	4°45	6°17	28°40	11° 3	4°55	16°20	16°59	16°15	11°39	n.a.	S 19
S 20	5 32 51	23°58'40	12° 7	12°51	16°46	5°18	6°24	28°38	11° 2	4°54	16°21	16°56	16°12	11°46	n.a.	S 20
M21	5 36 48	24°59'47	24° 7	14°25	17°59	5°51	6°30	28°37	11° 2	4°53	16°22	16°D55	16° 9	11°53	n.a.	M21
T 22	5 40 44	26° 0'52	6♈20	16° 0	19°12	6°24	6°37	28°35	11° 2	4°52	16°23	16°55	16° 6	11°59	n.a.	T 22
W23	5 44 41	27° 1'56	18°51	17°36	20°25	6°57	6°43	28°34	11° 2	4°51	16°24	16°R56	16° 3	12° 6	n.a.	W23
T 24	5 48 37	28° 2'59	1♉46	19°12	21°39	7°30	6°50	28°33	11° 2	4°50	16°25	16°55	15°59	12°13	n.a.	T 24
F 25	5 52 34	29° 4'01	15° 8	20°49	22°52	8° 2	6°56	28°31	11°D 2	4°50	16°26	16°52	15°56	12°19	n.a.	F 25
S 26	5 56 31	0♑ 5'01	28°59	22°26	24° 5	8°35	7° 2	28°30	11° 2	4°49	16°27	16°46	15°53	12°26	n.a.	S 26
S 27	6 0 27	1° 6'00	13♊18	24° 4	25°18	9° 7	7° 8	28°29	11° 2	4°48	16°28	16°37	15°50	12°33	n.a.	S 27
M28	6 4 24	2° 6'59	27°59	25°43	26°31	9°39	7°14	28°28	11° 2	4°47	16°30	16°27	15°47	12°39	n.a.	M28
T 29	6 8 20	3° 7'56	12♋57	27°22	27°45	10°11	7°19	28°28	11° 2	4°46	16°31	16°15	15°44	12°46	n.a.	T 29
W30	6 12 17	4° 8'51	28° 1	29° 2	28°58	10°44	7°24	28°27	11° 2	4°46	16°32	16° 4	15°40	12°53	n.a.	W30
T 31	6 16 13	5♑ 9'46	13♌ 2	0♑43	0♐11	11♎15	7♎30	28♈26	11♈ 3	4♉45	16♒33	15♈55	15♈37	13♒ 0	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	21 s20	28n38	4n58	15 s27	1n 5	7 s15	2n16	3n44	1n43	0 s20	1n19	9n10	2 s26	3n58	0 s36	11n39	1 s55	30 s20	14 s52	7n24	6n51	22 s39			n.a.
W 2	21 31	27 29	5 7	15 58	0 57	7 42	2 15	3 31	1 43	0 23	1 19	9 9	2 26	3 57	0 36	11 39	1 55	30 19	14 52	7 22	6 49	22 36			n.a.
T 3	21 42	24 28	4 57	16 30	0 49	8 9	2 15	3 17	1 43	0 27	1 20	9 8	2 26	3 57	0 36	11 38	1 55	30 19	14 52	7 19	6 48	22 34			n.a.
F 4	21 52	19 57	4 28	17 0	0 42	8 36	2 14	3 4	1 43	0 30	1 20	9 7	2 25	3 57	0 36	11 38	1 55	30 18	14 51	7 18	6 47	22 32			n.a.
S 5	22 2	14 22	3 43	17 31	0 34	9 3	2 13	2 50	1 44	0 34	1 20	9 6	2 25	3 56	0 36	11 37	1 55	30 18	14 51	7 17	6 46	22 30			n.a.
S 6	22 11	8 8	2 45	18 1	0 26	9 29	2 12	2 36	1 44	0 37	1 20	9 5	2 25	3 56	0 36	11 37	1 55	30 17	14 51	7 17	6 44	22 28			n.a.
M 7	22 20	1 37	1 39	18 31	0 19	9 56	2 11	2 23	1 44	0 40	1 20	9 4	2 25	3 56	0 36	11 37	1 55	30 17	14 51	7 17	6 43	22 25			n.a.
T 8	22 29	4 s52	0 28	19 0	0 11	10 22	2 10	2 9	1 44	0 43	1 21	9 3	2 24	3 55	0 36	11 36	1 55	30 16	14 50	7 18	6 42	22 23			n.a.
W 9	22 37	11 3	0 s44	19 28	0 4	10 48	2 9	1 56	1 45	0 47	1 21	9 2	2 24	3 55	0 36	11 36	1 55	30 15	14 50	7 18	6 41	22 21			n.a.
T 10	22 45	16 39	1 51	19 56	0 s 3	11 14	2 7	1 43	1 45	0 50	1 21	9 2	2 24	3 55	0 36	11 35	1 54	30 15	14 50	7 17	6 39	22 19			n.a.
F 11	22 52	21 26	2 52	20 23	0 10	11 40	2 6	1 29	1 45	0 53	1 21	9 1	2 24	3 54	0 36	11 35	1 54	30 14	14 49	7 15	6 38	22 16			n.a.
S 12	22 59	25 8	3 44	20 49	0 17	12 5	2 4	1 16	1 45	0 56	1 21	9 0	2 23	3 54	0 36	11 35	1 54	30 14	14 49	7 12	6 37	22 14			n.a.
S 13	23 5	27 33	4 23	21 15	0 24	12 30	2 3	1 2	1 46	0 59	1 22	9 0	2 23	3 54	0 36	11 34	1 54	30 13	14 49	7 8	6 36	22 12			n.a.
M14	23 11	28 34	4 49	21 39	0 31	12 55	2 1	0 49	1 46	1 2	1 22	8 59	2 23	3 54	0 36	11 34	1 54	30 13	14 49	7 4	6 35	22 10			n.a.
T 15	23 17	28 9	5 2	22 3	0 38	13 20	2 0	0 36	1 46	1 5	1 22	8 58	2 22	3 53	0 36	11 34	1 54	30 12	14 48	6 59	6 33	22 7			n.a.
W16	23 21	26 24	5 0	22 25	0 44	13 44	1 58	0 23	1 46	1 7	1 22	8 58	2 22	3 53	0 36	11 33	1 54	30 12	14 48	6 54	6 32	22 5			n.a.
T 17	23 26	23 29	4 46	22 47	0 50	14 8	1 56	0 9	1 47	1 10	1 22	8 57	2 22	3 53	0 35	11 33	1 54	30 11	14 48	6 50	6 31	22 3			n.a.
F 18	23 30	19 36	4 19	23 7	0 56	14 32	1 54	0 s 4	1 47	1 13	1 23	8 57	2 22	3 53	0 35	11 33	1 54	30 11	14 47	6 47	6 30	22 1			n.a.
S 19	23 33	14 59	3 41	23 27	1 2	14 55	1 52	0 17	1 47	1 16	1 23	8 57	2 21	3 53	0 35	11 32	1 54	30 10	14 47	6 45	6 28	21 58			n.a.
S 20	23 37	9 47	2 54	23 45	1 8	15 18	1 50	0 30	1 47	1 18	1 23	8 56	2 21	3 53	0 35	11 32	1 54	30 9	14 47	6 44	6 27	21 56			n.a.
M21	23 39	4 10	1 58	24 2	1 13	15 41	1 48	0 43	1 47	1 21	1 23	8 56	2 21	3 53	0 35	11 32	1 54	30 9	14 47	6 44	6 26	21 54			n.a.
T 22	23 41	1n41	0 56	24 18	1 18	16 3	1 46	0 56	1 48	1 23	1 23	8 56	2 20	3 53	0 35	11 32	1 54	30 8	14 46	6 44	6 25	21 51			n.a.
W23	23 43	7 38	0n10	24 32	1 23	16 25	1 44	1 9	1 48	1 25	1 24	8 55	2 20	3 53	0 35	11 31	1 54	30 8	14 46	6 44	6 23	21 49			n.a.
T 24	23 44	13 27	1 18	24 46	1 28	16 47	1 41	1 22	1 48	1 28	1 24	8 55	2 20	3 53	0 35	11 31	1 54	30 7	14 46	6 44	6 22	21 47			n.a.
F 25	23 45	18 52	2 24	24 58	1 32	17 8	1 39	1 34	1 48	1 30	1 24	8 55	2 20	3 53	0 35	11 31	1 54	30 6	14 46	6 42	6 21	21 44			n.a.
S 26	23 45	23 29	3 23	25 8	1 37	17 28	1 37	1 47	1 48	1 32	1 24	8 55	2 19	3 53	0 35	11 31	1 54	30 6	14 46	6 40	6 20	21 42			n.a.
S 27	23 45	26 51	4 12	25 17	1 41	17 49	1 34	2 0	1 49	1 34	1 25	8 55	2 19	3 53	0 35	11 30	1 54	30 5	14 45	6 37	6 18	21 40			n.a.
M28	23 44	28 29	4 45	25 25	1 44	18 8	1 32	2 13	1 49	1 36	1 25	8 55	2 19	3 53	0 35	11 30	1 54	30 5	14 45	6 33	6 17	21 37			n.a.
T 29	23 43	28 5	5 0	25 31	1 47	18 28	1 29	2 25	1 49	1 38	1 25	8 55	2 18	3 53	0 35	11 30	1 53	30 4	14 45	6 28	6 16	21 35			n.a.
W30	23 41	25 37	4 54	25 35	1 50	18 47	1 27	2 38	1 49	1 40	1 25	8 55	2 18	3 53	0 35	11 30	1 53	30 4	14 45	6 24	6 15	21 33			n.a.
T 31	23 s39	21n24	4n28	25 s38	1 s53	19 s 5	1n24	2 s50	1n49	1 s42	1n26	8n55	2 s18	3n53	0 s35	11n30	1 s53	30 s 3	14 s44	6n20	6n14	21 s30			n.a.

Julian Day Number = 1569813.5, Delta T = 04h18m28s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'16, Lahiri = - 9°41'16 Julian Calendar 1 Dec. 416 BCE == Greg. Calendar 26 Nov. 416 BCE

The year -415 astronomical counting style corresponds to year 416 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

JANUARY 415 BCE (-414) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 20 10	6♉10'40	27♌49	2♉25	1♐25	11♎47	7♎35	28°R26	11♈ 3	4°R44	16♒34	15°R47	15♈34	13♒ 6	n.a.	F 1
S 2	6 24 7	7°11'32	12♍18	4° 7	2°38	12°19	7°40	28♈26	11° 4	4♉44	16°36	15♈43	15°31	13°13	n.a.	S 2
S 3	6 28 3	8°12'24	26°26	5°50	3°52	12°51	7°44	28°26	11° 4	4°43	16°37	15°41	15°28	13°20	n.a.	S 3
M 4	6 32 0	9°13'14	10♎11	7°34	5° 5	13°22	7°49	28°D25	11° 4	4°43	16°38	15°41	15°25	13°26	n.a.	M 4
T 5	6 35 56	10°14'03	23°35	9°18	6°19	13°53	7°53	28°26	11° 5	4°42	16°40	15°41	15°21	13°33	n.a.	T 5
W 6	6 39 53	11°14'52	6♏42	11° 3	7°32	14°25	7°58	28°26	11° 6	4°42	16°41	15°40	15°18	13°40	n.a.	W 6
T 7	6 43 49	12°15'39	19°32	12°49	8°46	14°56	8° 2	28°26	11° 6	4°41	16°42	15°36	15°15	13°47	n.a.	T 7
F 8	6 47 46	13°16'25	2♐11	14°36	9°59	15°27	8° 6	28°26	11° 7	4°41	16°43	15°30	15°12	13°53	n.a.	F 8
S 9	6 51 42	14°17'10	14°38	16°24	11°13	15°57	8° 9	28°27	11° 8	4°40	16°45	15°20	15° 9	14° 0	n.a.	S 9
S 10	6 55 39	15°17'53	26°57	18°12	12°26	16°28	8°13	28°27	11° 9	4°40	16°46	15° 8	15° 6	14° 7	n.a.	S 10
M11	6 59 36	16°18'35	9♑ 8	20° 1	13°40	16°59	8°16	28°28	11° 9	4°40	16°48	14°54	15° 2	14°13	n.a.	M11
T 12	7 3 32	17°19'15	21°11	21°50	14°54	17°29	8°19	28°29	11°10	4°40	16°49	14°39	14°59	14°20	n.a.	T 12
W13	7 7 29	18°19'54	3♒ 9	23°40	16° 7	17°59	8°22	28°30	11°11	4°39	16°50	14°24	14°56	14°27	n.a.	W13
T 14	7 11 25	19°20'31	15° 2	25°31	17°21	18°29	8°25	28°31	11°12	4°39	16°52	14°11	14°53	14°34	n.a.	T 14
F 15	7 15 22	20°21'06	26°51	27°21	18°34	18°59	8°28	28°32	11°13	4°39	16°53	14° 1	14°50	14°40	n.a.	F 15
S 16	7 19 18	21°21'39	8♓40	29°12	19°48	19°29	8°30	28°34	11°15	4°39	16°55	13°53	14°46	14°47	n.a.	S 16
S 17	7 23 15	22°22'10	20°32	1♒ 4	21° 2	19°59	8°33	28°35	11°16	4°39	16°56	13°49	14°43	14°54	n.a.	S 17
M18	7 27 11	23°22'40	2♈30	2°55	22°15	20°28	8°35	28°37	11°17	4°39	16°58	13°47	14°40	15° 0	n.a.	M18
T 19	7 31 8	24°23'07	14°41	4°46	23°29	20°57	8°37	28°38	11°18	4°39	16°59	13°D46	14°37	15° 7	n.a.	T 19
W20	7 35 5	25°23'32	27° 7	6°36	24°43	21°26	8°38	28°40	11°20	4°D39	17° 0	13°R46	14°34	15°14	n.a.	W20
T 21	7 39 1	26°23'56	9♉57	8°25	25°56	21°55	8°40	28°42	11°21	4°39	17° 2	13°46	14°31	15°20	n.a.	T 21
F 22	7 42 58	27°24'17	23°12	10°14	27°10	22°24	8°41	28°44	11°22	4°39	17° 3	13°43	14°27	15°27	n.a.	F 22
S 23	7 46 54	28°24'36	6♊58	12° 0	28°24	22°52	8°42	28°46	11°24	4°39	17° 5	13°38	14°24	15°34	n.a.	S 23
S 24	7 50 51	29°24'53	21°14	13°45	29°37	23°21	8°43	28°48	11°25	4°39	17° 6	13°31	14°21	15°41	n.a.	S 24
M25	7 54 47	0♒25'08	5♋57	15°28	0♑51	23°49	8°44	28°50	11°27	4°39	17° 8	13°21	14°18	15°47	n.a.	M25
T 26	7 58 44	1°25'21	21° 3	17° 7	2° 5	24°17	8°45	28°53	11°29	4°39	17° 9	13°11	14°15	15°54	n.a.	T 26
W27	8 2 40	2°25'32	6♌20	18°43	3°18	24°44	8°45	28°55	11°30	4°39	17°11	13° 0	14°12	16° 1	n.a.	W27
T 28	8 6 37	3°25'42	21°38	20°15	4°32	25°12	8°45	28°58	11°32	4°40	17°13	12°51	14° 8	16° 7	n.a.	T 28
F 29	8 10 34	4°25'49	6♍45	21°43	5°46	25°39	8°R45	29° 1	11°34	4°40	17°14	12°44	14° 5	16°14	n.a.	F 29
S 30	8 14 30	5°25'54	21°33	23° 5	7° 0	26° 6	8°45	29° 4	11°35	4°40	17°16	12°40	14° 2	16°21	n.a.	S 30
S 31	8 18 27	6♒25'57	5♎56	24♒22	8♑13	26♎33	8♎45	29♈ 6	11♈37	4♉41	17♒17	12♈38	13♈59	16♒27	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s36	15n53	3n44	25s39	1s55	19s23	1n21	3s 3	1n49	1s44	1n26	8n55	2s17	3n54	0s35	11n29	1s53	30s 2	14s44	6n18	6n12	21s28		n.a.
S 2	23 33	9 35	2 46	25 38	1 57	19 40	1 19	3 15	1 50	1 46	1 26	8 55	2 17	3 54	0 35	11 29	1 53	30 2	14 44	6 16	6 11	21 26		n.a.
S 3	23 29	2 58	1 40	25 36	1 59	19 57	1 16	3 27	1 50	1 48	1 26	8 55	2 17	3 54	0 35	11 29	1 53	30 1	14 44	6 15	6 10	21 23		n.a.
M 4	23 25	3s38	0 29	25 32	2 0	20 13	1 13	3 40	1 50	1 49	1 26	8 56	2 16	3 54	0 35	11 29	1 53	30 1	14 44	6 15	6 9	21 21		n.a.
T 5	23 21	9 55	0s42	25 26	2 1	20 29	1 11	3 52	1 50	1 51	1 27	8 56	2 16	3 54	0 35	11 29	1 53	30 0	14 44	6 15	6 7	21 18		n.a.
W 6	23 16	15 38	1 48	25 18	2 1	20 44	1 8	4 4	1 50	1 52	1 27	8 56	2 16	3 55	0 35	11 29	1 53	29 59	14 43	6 15	6 6	21 16		n.a.
T 7	23 10	20 32	2 48	25 8	2 1	20 59	1 5	4 16	1 50	1 54	1 27	8 57	2 16	3 55	0 35	11 29	1 53	29 59	14 43	6 13	6 5	21 14		n.a.
F 8	23 5	24 26	3 39	24 56	2 1	21 13	1 2	4 28	1 50	1 55	1 27	8 57	2 15	3 55	0 35	11 29	1 53	29 58	14 43	6 11	6 4	21 11		n.a.
S 9	22 58	27 7	4 18	24 42	2 0	21 26	0 59	4 40	1 50	1 56	1 28	8 58	2 15	3 56	0 35	11 29	1 53	29 58	14 43	6 7	6 2	21 9		n.a.
S 10	22 51	28 27	4 44	24 26	1 58	21 39	0 56	4 51	1 51	1 57	1 28	8 58	2 15	3 56	0 35	11 29	1 53	29 57	14 43	6 2	6 1	21 6		n.a.
M11	22 44	28 23	4 58	24 9	1 56	21 51	0 53	5 3	1 51	1 58	1 28	8 59	2 14	3 56	0 35	11 29	1 53	29 56	14 43	5 57	6 0	21 4		n.a.
T 12	22 37	26 57	4 57	23 49	1 53	22 3	0 50	5 15	1 51	1 59	1 28	8 59	2 14	3 57	0 35	11 28	1 53	29 56	14 42	5 51	5 59	21 2		n.a.
W13	22 28	24 18	4 44	23 27	1 50	22 14	0 48	5 26	1 51	2 0	1 29	9 0	2 14	3 57	0 35	11 28	1 52	29 55	14 42	5 45	5 57	20 59		n.a.
T 14	22 20	20 38	4 18	23 3	1 46	22 24	0 45	5 38	1 51	2 1	1 29	9 1	2 13	3 58	0 34	11 28	1 52	29 55	14 42	5 40	5 56	20 57		n.a.
F 15	22 11	16 10	3 41	22 37	1 42	22 33	0 42	5 49	1 51	2 2	1 29	9 1	2 13	3 58	0 34	11 28	1 52	29 54	14 42	5 36	5 55	20 54		n.a.
S 16	22 2	11 6	2 54	22 9	1 37	22 42	0 39	6 1	1 51	2 3	1 29	9 2	2 13	3 59	0 34	11 28	1 52	29 53	14 42	5 33	5 54	20 52		n.a.
S 17	21 52	5 38	2 0	21 39	1 31	22 51	0 36	6 12	1 51	2 4	1 30	9 3	2 12	3 59	0 34	11 29	1 52	29 53	14 42	5 31	5 52	20 49		n.a.
M18	21 42	0n 6	0 59	21 8	1 24	22 58	0 33	6 23	1 51	2 4	1 30	9 4	2 12	4 0	0 34	11 29	1 52	29 52	14 42	5 30	5 51	20 47		n.a.
T 19	21 31	5 56	0n 5	20 34	1 17	23 5	0 30	6 34	1 51	2 5	1 30	9 5	2 12	4 0	0 34	11 29	1 52	29 52	14 42	5 30	5 50	20 44		n.a.
W20	21 20	11 40	1 10	19 59	1 9	23 12	0 27	6 45	1 51	2 5	1 30	9 6	2 12	4 1	0 34	11 29	1 52	29 51	14 41	5 30	5 49	20 42		n.a.
T 21	21 9	17 6	2 14	19 22	1 1	23 17	0 24	6 56	1 51	2 6	1 31	9 6	2 11	4 1	0 34	11 29	1 52	29 51	14 41	5 30	5 47	20 39		n.a.
F 22	20 57	21 55	3 13	18 44	0 51	23 22	0 21	7 6	1 51	2 6	1 31	9 7	2 11	4 2	0 34	11 29	1 52	29 50	14 41	5 29	5 46	20 37		n.a.
S 23	20 45	25 44	4 2	18 4	0 41	23 26	0 18	7 17	1 51	2 6	1 31	9 8	2 11	4 2	0 34	11 29	1 52	29 49	14 41	5 27	5 45	20 34		n.a.
S 24	20 32	28 6	4 39	17 24	0 31	23 30	0 15	7 28	1 51	2 6	1 31	9 10	2 10	4 3	0 34	11 29	1 52	29 49	14 41	5 24	5 44	20 32		n.a.
M25	20 19	28 35	4 59	16 43	0 19	23 33	0 12	7 38	1 51	2 6	1 32	9 11	2 10	4 4	0 34	11 29	1 52	29 48	14 41	5 20	5 42	20 29		n.a.
T 26	20 6	26 59	4 59	16 1	0 7	23 35	0 9	7 49	1 51	2 6	1 32	9 12	2 10	4 4	0 34	11 29	1 52	29 48	14 41	5 16	5 41	20 27		n.a.
W27	19 52	23 24	4 37	15 19	0n 6	23 36	0 6	7 59	1 51	2 6	1 32	9 13	2 9	4 5	0 34	11 29	1 52	29 47	14 41	5 12	5 40	20 24		n.a.
T 28	19 38	18 11	3 56	14 37	0 19	23 37	0 3	8 9	1 51	2 6	1 32	9 14	2 9	4 6	0 34	11 30	1 51	29 47	14 41	5 8	5 39	20 22		n.a.
F 29	19 24	11 54	2 58	13 56	0 33	23 37	0 0	8 19	1 51	2 6	1 33	9 15	2 9	4 7	0 34	11 30	1 51	29 46	14 41	5 6	5 37	20 19		n.a.
S 30	19 9	5 4	1 50	13 16	0 47	23 36	0s 2	8 29	1 51	2 6	1 33	9 17	2 9	4 7	0 34	11 30	1 51	29 45	14 41	5 4	5 36	20 17		n.a.
S 31	18s54	1s51	0n36	12s37	1n 1	23s35	0s 5	8s39	1n51	2s 5	1n33	9n18	2s 8	4n 8	0s34	11n30	1s51	29s45	14s41	5n 3	5n35	20s14		n.a.

Julian Day Number = 1569844.5, Delta T = 04h18m27s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'12, Lahiri = - 9°41'12 Julian Calendar 1 Jan. 415 BCE == Greg. Calendar 27 Dec. 416 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

FEBRUARY 415 BCE (-414) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 22 23	7♒25'59	19♎53	25♒32	9♑27	27♎ 0	8°R44	29♈10	11♈39	4♉41	17♒19	12°D38	13♈56	16♒34	n.a.	M 1
T 2	8 26 20	8°25'59	3♏23	26°36	10°41	27°26	8♎44	29°13	11°41	4°42	17°20	12°R39	13°52	16°41	n.a.	T 2
W 3	8 30 16	9°25'58	16°29	27°32	11°54	27°53	8°43	29°16	11°43	4°42	17°22	12♈39	13°49	16°48	n.a.	W 3
T 4	8 34 13	10°25'55	29°15	28°20	13° 8	28°19	8°42	29°19	11°45	4°43	17°23	12°37	13°46	16°54	n.a.	T 4
F 5	8 38 9	11°25'50	11♐45	29° 0	14°22	28°44	8°40	29°23	11°47	4°43	17°25	12°33	13°43	17° 1	n.a.	F 5
S 6	8 42 6	12°25'43	24° 3	29°32	15°36	29°10	8°39	29°26	11°49	4°44	17°26	12°26	13°40	17° 8	n.a.	S 6
S 7	8 46 3	13°25'34	6♑10	29°55	16°49	29°35	8°37	29°30	11°51	4°44	17°28	12°17	13°37	17°14	n.a.	S 7
M 8	8 49 59	14°25'23	18°11	0♓ 9	18° 3	29°59	8°35	29°34	11°53	4°45	17°30	12° 6	13°33	17°21	n.a.	M 8
T 9	8 53 56	15°25'11	0♒ 7	0°R14	19°17	0♏24	8°33	29°37	11°56	4°46	17°31	11°55	13°30	17°28	n.a.	T 9
W10	8 57 52	16°24'56	11°59	0°11	20°31	0°49	8°31	29°41	11°58	4°46	17°33	11°43	13°27	17°35	n.a.	W10
T 11	9 1 49	17°24'39	23°49	29♒59	21°44	1°13	8°29	29°45	12° 0	4°47	17°34	11°34	13°24	17°41	n.a.	T 11
F 12	9 5 45	18°24'20	5♓39	29°40	22°58	1°37	8°26	29°49	12° 2	4°48	17°36	11°26	13°21	17°48	n.a.	F 12
S 13	9 9 42	19°23'59	17°31	29°13	24°12	2° 0	8°23	29°54	12° 5	4°49	17°37	11°20	13°17	17°55	n.a.	S 13
S 14	9 13 38	20°23'36	29°27	28°39	25°26	2°23	8°20	29°58	12° 7	4°49	17°39	11°17	13°14	18° 1	n.a.	S 14
M15	9 17 35	21°23'10	11♈29	27°59	26°39	2°46	8°17	0♉ 2	12°10	4°50	17°41	11°D16	13°11	18° 8	n.a.	M15
T 16	9 21 32	22°22'42	23°42	27°14	27°53	3° 8	8°14	0° 7	12°12	4°51	17°42	11°17	13° 8	18°15	n.a.	T 16
W17	9 25 28	23°22'11	6♉10	26°26	29° 7	3°31	8°11	0°11	12°15	4°52	17°44	11°18	13° 5	18°21	n.a.	W17
T 18	9 29 25	24°21'38	18°57	25°34	0♒21	3°52	8° 7	0°16	12°17	4°53	17°45	11°R19	13° 2	18°28	n.a.	T 18
F 19	9 33 21	25°21'03	2♊ 7	24°41	1°34	4°14	8° 3	0°21	12°20	4°54	17°47	11°19	12°58	18°35	n.a.	F 19
S 20	9 37 18	26°20'25	15°44	23°47	2°48	4°35	7°59	0°26	12°22	4°55	17°48	11°17	12°55	18°41	n.a.	S 20
S 21	9 41 14	27°19'45	29°48	22°53	4° 2	4°56	7°55	0°30	12°25	4°56	17°50	11°14	12°52	18°48	n.a.	S 21
M22	9 45 11	28°19'03	14♋20	22° 2	5°15	5°16	7°51	0°35	12°28	4°57	17°51	11° 9	12°49	18°55	n.a.	M22
T 23	9 49 7	29°18'18	29°15	21°12	6°29	5°36	7°46	0°41	12°30	4°58	17°53	11° 3	12°46	19° 2	n.a.	T 23
W24	9 53 4	0♓17'31	14♌26	20°27	7°43	5°56	7°42	0°46	12°33	5° 0	17°55	10°56	12°43	19° 8	n.a.	W24
T 25	9 57 1	1°16'41	29°43	19°45	8°57	6°15	7°37	0°51	12°36	5° 1	17°56	10°51	12°39	19°15	n.a.	T 25
F 26	10 0 57	2°15'49	14♍55	19° 8	10°10	6°34	7°32	0°56	12°39	5° 2	17°58	10°47	12°36	19°22	n.a.	F 26
S 27	10 4 54	3°14'55	29°52	18°35	11°24	6°53	7°27	1° 2	12°41	5° 3	17°59	10°45	12°33	19°28	n.a.	S 27
S 28	10 8 50	4♓13'59	14♎28	18♒ 9	12♒38	7♏11	7♎22	1♉ 7	12♈44	5♉ 4	18♒ 1	10°D44	12♈30	19♒35	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s39	8s28	0s38	11s59	1n16	23s32	0s 8	8s49	1n51	2s 5	1n33	9n19	2s 8	4n 9	0s34	11n30	1s51	29s44	14s41	5n 3	5n34	20s12		n.a.
T 2	18 23	14 29	1 48	11 23	1 31	23 30	0 11	8 59	1 51	2 4	1 34	9 21	2 8	4 10	0 34	11 31	1 51	29 44	14 41	5 3	5 32	20 9		n.a.
W 3	18 7	19 41	2 50	10 50	1 46	23 26	0 14	9 8	1 51	2 4	1 34	9 22	2 7	4 10	0 34	11 31	1 51	29 43	14 41	5 3	5 31	20 7		n.a.
T 4	17 51	23 51	3 42	10 20	2 0	23 22	0 16	9 18	1 50	2 3	1 34	9 24	2 7	4 11	0 34	11 31	1 51	29 43	14 40	5 3	5 30	20 4		n.a.
F 5	17 34	26 48	4 22	9 52	2 15	23 17	0 19	9 27	1 50	2 2	1 34	9 25	2 7	4 12	0 34	11 31	1 51	29 42	14 40	5 1	5 29	20 2		n.a.
S 6	17 18	28 25	4 49	9 28	2 29	23 11	0 22	9 36	1 50	2 2	1 35	9 27	2 7	4 13	0 34	11 32	1 51	29 42	14 40	4 58	5 27	19 59		n.a.
S 7	17 0	28 38	5 2	9 8	2 42	23 5	0 24	9 45	1 50	2 1	1 35	9 28	2 6	4 14	0 34	11 32	1 51	29 41	14 40	4 55	5 26	19 57		n.a.
M 8	16 43	27 29	5 2	8 51	2 54	22 57	0 27	9 54	1 50	2 0	1 35	9 30	2 6	4 15	0 34	11 32	1 51	29 41	14 40	4 51	5 25	19 54		n.a.
T 9	16 25	25 5	4 49	8 38	3 6	22 50	0 29	10 3	1 49	1 59	1 35	9 31	2 6	4 16	0 34	11 32	1 51	29 40	14 40	4 46	5 24	19 51		n.a.
W10	16 7	21 37	4 23	8 30	3 16	22 41	0 32	10 12	1 49	1 58	1 36	9 33	2 5	4 16	0 34	11 33	1 51	29 40	14 40	4 42	5 22	19 49		n.a.
T 11	15 49	17 18	3 46	8 25	3 25	22 32	0 34	10 21	1 49	1 56	1 36	9 35	2 5	4 17	0 34	11 33	1 50	29 39	14 40	4 38	5 21	19 46		n.a.
F 12	15 30	12 20	2 59	8 25	3 33	22 22	0 37	10 29	1 49	1 55	1 36	9 36	2 5	4 18	0 34	11 33	1 50	29 39	14 41	4 35	5 20	19 44		n.a.
S 13	15 12	6 54	2 4	8 29	3 39	22 12	0 39	10 38	1 48	1 54	1 36	9 38	2 5	4 19	0 33	11 34	1 50	29 38	14 41	4 32	5 19	19 41		n.a.
S 14	14 53	1 11	1 3	8 36	3 43	22 1	0 42	10 46	1 48	1 53	1 36	9 40	2 4	4 20	0 33	11 34	1 50	29 38	14 41	4 31	5 17	19 38		n.a.
M15	14 33	4n37	0n 1	8 48	3 46	21 49	0 44	10 54	1 48	1 51	1 37	9 42	2 4	4 21	0 33	11 34	1 50	29 37	14 41	4 31	5 16	19 36		n.a.
T 16	14 14	10 21	1 7	9 3	3 46	21 36	0 46	11 2	1 48	1 50	1 37	9 44	2 4	4 22	0 33	11 35	1 50	29 37	14 41	4 31	5 15	19 33		n.a.
W17	13 54	15 48	2 10	9 20	3 45	21 23	0 48	11 10	1 47	1 48	1 37	9 45	2 4	4 23	0 33	11 35	1 50	29 36	14 41	4 32	5 14	19 31		n.a.
T 18	13 34	20 42	3 9	9 41	3 42	21 10	0 51	11 18	1 47	1 46	1 37	9 47	2 3	4 24	0 33	11 35	1 50	29 36	14 41	4 32	5 12	19 28		n.a.
F 19	13 14	24 46	4 0	10 4	3 37	20 55	0 53	11 26	1 46	1 45	1 37	9 49	2 3	4 25	0 33	11 36	1 50	29 35	14 41	4 32	5 11	19 25		n.a.
S 20	12 54	27 36	4 39	10 28	3 30	20 40	0 55	11 33	1 46	1 43	1 38	9 51	2 3	4 26	0 33	11 36	1 50	29 35	14 41	4 31	5 10	19 23		n.a.
S 21	12 33	28 48	5 3	10 54	3 21	20 25	0 57	11 41	1 46	1 41	1 38	9 53	2 3	4 27	0 33	11 37	1 50	29 34	14 41	4 30	5 9	19 20		n.a.
M22	12 13	28 5	5 9	11 20	3 11	20 9	0 59	11 48	1 45	1 39	1 38	9 55	2 2	4 29	0 33	11 37	1 50	29 34	14 41	4 28	5 7	19 18		n.a.
T 23	11 52	25 21	4 54	11 46	3 0	19 52	1 1	11 55	1 45	1 37	1 38	9 57	2 2	4 30	0 33	11 38	1 50	29 33	14 41	4 25	5 6	19 15		n.a.
W24	11 31	20 49	4 18	12 13	2 48	19 35	1 2	12 2	1 44	1 35	1 38	9 59	2 2	4 31	0 33	11 38	1 50	29 33	14 41	4 23	5 5	19 12		n.a.
T 25	11 10	14 54	3 24	12 39	2 34	19 17	1 4	12 9	1 44	1 33	1 39	10 1	2 2	4 32	0 33	11 38	1 50	29 33	14 41	4 21	5 4	19 10		n.a.
F 26	10 48	8 6	2 16	13 4	2 20	18 59	1 6	12 16	1 43	1 31	1 39	10 3	2 1	4 33	0 33	11 39	1 50	29 32	14 41	4 19	5 2	19 7		n.a.
S 27	10 27	0 57	0 59	13 28	2 6	18 40	1 8	12 22	1 42	1 29	1 39	10 5	2 1	4 34	0 33	11 39	1 49	29 32	14 42	4 18	5 1	19 4		n.a.
S 28	10s 5	6s 5	0s20	13s50	1n51	18s21	1s 9	12s29	1n42	1s27	1n39	10n 8	2s 1	4n35	0s33	11n40	1s49	29s31	14s42	4n18	5n 0	19s 2		n.a.

Julian Day Number = 1569875.5, Delta T = 04h18m26s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'08, Lahiri = - 9°41'08 Julian Calendar 1 Feb. 415 BCE == Greg. Calendar 27 Jan. 415 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

MARCH 415 BCE (-414) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 12 47	5♓13'01	28♎36	17°R47	13♒51	7♏28	7°R16	1♉13	12♈47	5♉ 6	18♒ 2	10♈45	12♈27	19♒42	n.a.	M 1
T 2	10 16 43	6°12'01	12♏17	17♒32	15° 5	7°45	7♎11	1°18	12°50	5° 7	18° 4	10°47	12°23	19°48	n.a.	T 2
W 3	10 20 40	7°11'00	25°32	17°22	16°19	8° 2	7° 5	1°24	12°53	5° 8	18° 5	10°48	12°20	19°55	n.a.	W 3
T 4	10 24 36	8° 9'57	8♐22	17°D17	17°33	8°18	6°59	1°29	12°56	5°10	18° 7	10°R49	12°17	20° 2	n.a.	T 4
F 5	10 28 33	9° 8'51	20°53	17°19	18°46	8°34	6°53	1°35	12°59	5°11	18° 8	10°48	12°14	20° 9	n.a.	F 5
S 6	10 32 29	10° 7'44	3♑ 8	17°25	20° 0	8°50	6°47	1°41	13° 2	5°13	18°10	10°46	12°11	20°15	n.a.	S 6
S 7	10 36 26	11° 6'35	15°12	17°37	21°14	9° 4	6°41	1°47	13° 5	5°14	18°11	10°43	12° 8	20°22	n.a.	S 7
M 8	10 40 23	12° 5'25	27° 7	17°54	22°27	9°19	6°35	1°53	13° 8	5°16	18°13	10°38	12° 4	20°29	n.a.	M 8
T 9	10 44 19	13° 4'12	8♒58	18°15	23°41	9°32	6°29	1°59	13°11	5°17	18°14	10°33	12° 1	20°35	n.a.	T 9
W10	10 48 16	14° 2'57	20°48	18°41	24°55	9°46	6°22	2° 5	13°14	5°19	18°15	10°28	11°58	20°42	n.a.	W10
T 11	10 52 12	15° 1'40	2♓39	19°12	26° 8	9°58	6°16	2°12	13°17	5°20	18°17	10°24	11°55	20°49	n.a.	T 11
F 12	10 56 9	16° 0'21	14°32	19°47	27°22	10°10	6° 9	2°18	13°21	5°22	18°18	10°21	11°52	20°55	n.a.	F 12
S 13	11 0 5	16°59'00	26°30	20°25	28°36	10°22	6° 2	2°24	13°24	5°23	18°20	10°19	11°49	21° 2	n.a.	S 13
S 14	11 4 2	17°57'37	8♈35	21° 8	29°49	10°33	5°55	2°30	13°27	5°25	18°21	10°D18	11°45	21° 9	n.a.	S 14
M15	11 7 58	18°56'12	20°48	21°54	1♓ 3	10°43	5°48	2°37	13°30	5°27	18°23	10°19	11°42	21°15	n.a.	M15
T 16	11 11 55	19°54'45	3♉13	22°43	2°17	10°53	5°41	2°43	13°33	5°28	18°24	10°20	11°39	21°22	n.a.	T 16
W17	11 15 51	20°53'16	15°50	23°36	3°30	11° 2	5°34	2°50	13°37	5°30	18°25	10°21	11°36	21°29	n.a.	W17
T 18	11 19 48	21°51'44	28°44	24°32	4°44	11°11	5°27	2°57	13°40	5°32	18°27	10°23	11°33	21°36	n.a.	T 18
F 19	11 23 45	22°50'10	11♊56	25°30	5°58	11°19	5°20	3° 3	13°43	5°33	18°28	10°24	11°29	21°42	n.a.	F 19
S 20	11 27 41	23°48'34	25°29	26°32	7°11	11°26	5°12	3°10	13°46	5°35	18°29	10°R24	11°26	21°49	n.a.	S 20
S 21	11 31 38	24°46'56	9♋24	27°36	8°25	11°33	5° 5	3°17	13°50	5°37	18°31	10°23	11°23	21°56	n.a.	S 21
M22	11 35 34	25°45'15	23°41	28°43	9°39	11°39	4°57	3°23	13°53	5°39	18°32	10°22	11°20	22° 2	n.a.	M22
T 23	11 39 31	26°43'32	8♌17	29°52	10°52	11°44	4°50	3°30	13°56	5°41	18°33	10°21	11°17	22° 9	n.a.	T 23
W24	11 43 27	27°41'47	23° 8	1♓ 4	12° 6	11°49	4°42	3°37	14° 0	5°42	18°34	10°19	11°14	22°16	n.a.	W24
T 25	11 47 24	28°40'00	8♍ 7	2°19	13°19	11°53	4°35	3°44	14° 3	5°44	18°36	10°18	11°10	22°22	n.a.	T 25
F 26	11 51 20	29°38'11	23° 6	3°35	14°33	11°56	4°27	3°51	14° 6	5°46	18°37	10°17	11° 7	22°29	n.a.	F 26
S 27	11 55 17	0♈36'20	7♎56	4°54	15°47	11°59	4°20	3°58	14°10	5°48	18°38	10°D17	11° 4	22°36	n.a.	S 27
S 28	11 59 14	1°34'27	22°30	6°15	17° 0	12° 1	4°12	4° 5	14°13	5°50	18°39	10°17	11° 1	22°42	n.a.	S 28
M29	12 3 10	2°32'32	6♏42	7°38	18°14	12° 2	4° 4	4°12	14°17	5°52	18°41	10°17	10°58	22°49	n.a.	M29
T 30	12 7 7	3°30'36	20°30	9° 3	19°28	12°R 2	3°57	4°20	14°20	5°54	18°42	10°18	10°54	22°56	n.a.	T 30
W31	12 11 3	4♈28'38	3♐51	10♓30	20♓41	12♏ 2	3♎49	4♉27	14♈23	5♉56	18♒43	10♈18	10♈51	23♒ 3	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	9s43	12s36	1s36	14s11	1n35	18s 1	1s11	12s35	1n41	1s24	1n39	10n10	2s 1	4n36	0s33	11n40	1s49	29s31	14s42	4n19	4n59	18s59			n.a.
T 2	9 21	18 19	2 44	14 31	1 20	17 40	1 12	12 42	1 40	1 22	1 39	10 12	2 0	4 38	0 33	11 41	1 49	29 31	14 42	4 19	4 57	18 56			n.a.
W 3	8 59	22 57	3 40	14 48	1 5	17 19	1 14	12 48	1 40	1 20	1 39	10 14	2 0	4 39	0 33	11 41	1 49	29 30	14 42	4 20	4 56	18 54			n.a.
T 4	8 37	26 19	4 24	15 4	0 50	16 58	1 15	12 54	1 39	1 17	1 40	10 16	2 0	4 40	0 33	11 42	1 49	29 30	14 42	4 20	4 55	18 51			n.a.
F 5	8 15	28 19	4 54	15 17	0 35	16 36	1 16	13 0	1 38	1 15	1 40	10 19	2 0	4 41	0 33	11 42	1 49	29 30	14 42	4 20	4 54	18 48			n.a.
S 6	7 52	28 52	5 10	15 29	0 21	16 14	1 18	13 5	1 37	1 12	1 40	10 21	2 0	4 42	0 33	11 43	1 49	29 29	14 42	4 19	4 52	18 45			n.a.
S 7	7 30	28 2	5 11	15 39	0 7	15 51	1 19	13 11	1 37	1 10	1 40	10 23	1 59	4 44	0 33	11 43	1 49	29 29	14 43	4 17	4 51	18 43			n.a.
M 8	7 7	25 54	5 0	15 46	0s 7	15 28	1 20	13 16	1 36	1 7	1 40	10 25	1 59	4 45	0 33	11 44	1 49	29 28	14 43	4 16	4 50	18 40			n.a.
T 9	6 44	22 40	4 35	15 52	0 20	15 4	1 21	13 21	1 35	1 4	1 40	10 28	1 59	4 46	0 33	11 45	1 49	29 28	14 43	4 14	4 49	18 37			n.a.
W10	6 21	18 31	3 59	15 56	0 32	14 40	1 22	13 27	1 34	1 2	1 40	10 30	1 59	4 47	0 33	11 45	1 49	29 28	14 43	4 12	4 47	18 35			n.a.
T 11	5 58	13 39	3 12	15 57	0 44	14 16	1 23	13 32	1 33	0 59	1 40	10 32	1 58	4 49	0 33	11 46	1 49	29 27	14 43	4 10	4 46	18 32			n.a.
F 12	5 35	8 16	2 17	15 57	0 55	13 51	1 24	13 36	1 32	0 56	1 41	10 35	1 58	4 50	0 33	11 46	1 49	29 27	14 43	4 9	4 45	18 29			n.a.
S 13	5 12	2 33	1 15	15 55	1 6	13 26	1 25	13 41	1 31	0 53	1 41	10 37	1 58	4 51	0 33	11 47	1 49	29 27	14 44	4 8	4 44	18 26			n.a.
S 14	4 49	3n18	0 9	15 51	1 16	13 1	1 25	13 45	1 30	0 51	1 41	10 39	1 58	4 52	0 33	11 47	1 49	29 27	14 44	4 8	4 42	18 24			n.a.
M15	4 26	9 7	0n58	15 45	1 26	12 35	1 26	13 50	1 29	0 48	1 41	10 42	1 58	4 54	0 33	11 48	1 49	29 26	14 44	4 8	4 41	18 21			n.a.
T 16	4 3	14 40	2 3	15 37	1 35	12 9	1 27	13 54	1 27	0 45	1 41	10 44	1 57	4 55	0 33	11 49	1 49	29 26	14 44	4 8	4 40	18 18			n.a.
W17	3 39	19 43	3 4	15 27	1 43	11 42	1 27	13 58	1 26	0 42	1 41	10 47	1 57	4 56	0 33	11 49	1 49	29 26	14 44	4 9	4 39	18 15			n.a.
T 18	3 16	23 58	3 56	15 16	1 51	11 15	1 28	14 2	1 25	0 39	1 41	10 49	1 57	4 57	0 33	11 50	1 48	29 25	14 45	4 10	4 37	18 13			n.a.
F 19	2 53	27 6	4 38	15 2	1 58	10 48	1 28	14 6	1 24	0 36	1 41	10 52	1 57	4 59	0 33	11 51	1 48	29 25	14 45	4 10	4 36	18 10			n.a.
S 20	2 29	28 45	5 5	14 47	2 5	10 21	1 28	14 9	1 22	0 33	1 41	10 54	1 57	5 0	0 33	11 51	1 48	29 25	14 45	4 10	4 35	18 7			n.a.
S 21	2 6	28 40	5 16	14 30	2 11	9 53	1 29	14 13	1 21	0 30	1 41	10 57	1 57	5 1	0 33	11 52	1 48	29 25	14 45	4 10	4 34	18 4			n.a.
M22	1 43	26 41	5 8	14 12	2 16	9 25	1 29	14 16	1 19	0 27	1 41	10 59	1 56	5 3	0 33	11 52	1 48	29 25	14 45	4 9	4 32	18 2			n.a.
T 23	1 19	22 55	4 39	13 52	2 21	8 57	1 29	14 19	1 18	0 24	1 41	11 2	1 56	5 4	0 33	11 53	1 48	29 24	14 46	4 9	4 31	17 59			n.a.
W24	0 56	17 38	3 52	13 30	2 25	8 29	1 29	14 22	1 16	0 21	1 41	11 4	1 56	5 5	0 33	11 54	1 48	29 24	14 46	4 8	4 30	17 56			n.a.
T 25	0 32	11 14	2 49	13 6	2 29	8 0	1 29	14 25	1 15	0 18	1 41	11 7	1 56	5 7	0 33	11 54	1 48	29 24	14 46	4 8	4 29	17 53			n.a.
F 26	0 9	4 12	1 34	12 41	2 32	7 31	1 29	14 27	1 13	0 15	1 41	11 9	1 56	5 8	0 33	11 55	1 48	29 24	14 46	4 7	4 27	17 51			n.a.
S 27	0n15	2s59	0 13	12 14	2 34	7 2	1 29	14 30	1 11	0 12	1 41	11 12	1 55	5 9	0 33	11 56	1 48	29 24	14 47	4 7	4 26	17 48			n.a.
S 28	0 38	9 54	1s 7	11 45	2 36	6 33	1 29	14 32	1 10	0 9	1 41	11 14	1 55	5 11	0 33	11 56	1 48	29 23	14 47	4 7	4 25	17 45			n.a.
M29	1 1	16 9	2 21	11 15	2 38	6 4	1 28	14 34	1 8	0 6	1 41	11 17	1 55	5 12	0 33	11 57	1 48	29 23	14 47	4 7	4 23	17 42			n.a.
T 30	1 25	21 23	3 25	10 43	2 38	5 34	1 28	14 36	1 6	0 3	1 41	11 19	1 55	5 13	0 33	11 58	1 48	29 23	14 47	4 8	4 22	17 39			n.a.
W31	1n48	25s22	4s15	10s10	2s38	5s 5	1s28	14s38	1n 4	0n 0	1n41	11n22	1s55	5n15	0s33	11n58	1s48	29s23	14s48	4n 8	4n21	17s37			n.a.

Julian Day Number = 1569903.5, Delta T = 04h18m25s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'04, Lahiri = - 9°41'04 Julian Calendar 1 March 415 BCE == Greg. Calendar 24 Feb. 415 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

APRIL 415 BCE (-414) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 15 0	5♈26'39	16♐48	11♓59	21♓55	12°R 1	3°R41	4♉34	14♈27	5♉58	18♒44	10♈19	10♈48	23♒ 9	n.a.	T 1
F 2	12 18 56	6°24'39	29°24	13°30	23° 8	11♏59	3♎34	4°41	14°30	6° 0	18°45	10°19	10°45	23°16	n.a.	F 2
S 3	12 22 53	7°22'37	11♑41	15° 3	24°22	11°57	3°26	4°49	14°34	6° 2	18°46	10°R19	10°42	23°23	n.a.	S 3
S 4	12 26 49	8°20'33	23°45	16°39	25°36	11°53	3°19	4°56	14°37	6° 4	18°48	10°19	10°39	23°29	n.a.	S 4
M 5	12 30 46	9°18'28	5♒40	18°16	26°49	11°49	3°11	5° 3	14°41	6° 6	18°49	10°19	10°35	23°36	n.a.	M 5
T 6	12 34 43	10°16'22	17°31	19°55	28° 3	11°44	3° 3	5°11	14°44	6° 8	18°50	10°D19	10°32	23°43	n.a.	T 6
W 7	12 38 39	11°14'14	29°21	21°36	29°16	11°39	2°56	5°18	14°48	6°10	18°51	10°19	10°29	23°49	n.a.	W 7
T 8	12 42 36	12°12'04	11♓13	23°19	0♈30	11°32	2°48	5°26	14°51	6°12	18°52	10°19	10°26	23°56	n.a.	T 8
F 9	12 46 32	13° 9'54	23°12	25° 3	1°44	11°25	2°41	5°33	14°54	6°14	18°53	10°19	10°23	24° 3	n.a.	F 9
S 10	12 50 29	14° 7'41	5♈19	26°50	2°57	11°17	2°33	5°41	14°58	6°16	18°54	10°R19	10°20	24° 9	n.a.	S 10
S 11	12 54 25	15° 5'27	17°37	28°39	4°11	11° 9	2°26	5°48	15° 1	6°18	18°55	10°19	10°16	24°16	n.a.	S 11
M12	12 58 22	16° 3'12	0♉ 6	0♈30	5°24	10°59	2°19	5°56	15° 5	6°20	18°56	10°19	10°13	24°23	n.a.	M12
T 13	13 2 18	17° 0'55	12°48	2°23	6°38	10°49	2°12	6° 4	15° 8	6°23	18°57	10°19	10°10	24°29	n.a.	T 13
W14	13 6 15	17°58'37	25°44	4°17	7°52	10°38	2° 4	6°11	15°12	6°25	18°58	10°18	10° 7	24°36	n.a.	W14
T 15	13 10 12	18°56'17	8♊55	6°14	9° 5	10°27	1°57	6°19	15°15	6°27	18°59	10°17	10° 4	24°43	n.a.	T 15
F 16	13 14 8	19°53'56	22°19	8°12	10°19	10°14	1°50	6°27	15°19	6°29	18°59	10°16	10° 0	24°50	n.a.	F 16
S 17	13 18 5	20°51'32	5♋59	10°12	11°32	10° 2	1°43	6°34	15°22	6°31	19° 0	10°15	9°57	24°56	n.a.	S 17
S 18	13 22 1	21°49'08	19°53	12°14	12°46	9°48	1°37	6°42	15°26	6°33	19° 1	10°D15	9°54	25° 3	n.a.	S 18
M19	13 25 58	22°46'41	4♌ 1	14°18	13°59	9°34	1°30	6°50	15°29	6°36	19° 2	10°15	9°51	25°10	n.a.	M19
T 20	13 29 54	23°44'13	18°20	16°23	15°13	9°19	1°23	6°58	15°32	6°38	19° 3	10°15	9°48	25°16	n.a.	T 20
W21	13 33 51	24°41'43	2♍49	18°30	16°27	9° 4	1°17	7° 5	15°36	6°40	19° 4	10°16	9°45	25°23	n.a.	W21
T 22	13 37 47	25°39'12	17°23	20°38	17°40	8°48	1°10	7°13	15°39	6°42	19° 4	10°17	9°41	25°30	n.a.	T 22
F 23	13 41 44	26°36'39	1♎57	22°48	18°54	8°32	1° 4	7°21	15°43	6°44	19° 5	10°18	9°38	25°36	n.a.	F 23
S 24	13 45 41	27°34'05	16°26	24°58	20° 7	8°15	0°58	7°29	15°46	6°47	19° 6	10°R18	9°35	25°43	n.a.	S 24
S 25	13 49 37	28°31'30	0♏44	27° 9	21°21	7°58	0°52	7°37	15°49	6°49	19° 6	10°17	9°32	25°50	n.a.	S 25
M26	13 53 34	29°28'54	14°47	29°20	22°34	7°40	0°46	7°45	15°53	6°51	19° 7	10°16	9°29	25°56	n.a.	M26
T 27	13 57 30	0♉26'17	28°30	1♉32	23°48	7°22	0°40	7°52	15°56	6°53	19° 8	10°13	9°26	26° 3	n.a.	T 27
W28	14 1 27	1°23'39	11♐51	3°43	25° 2	7° 3	0°34	8° 0	16° 0	6°55	19° 8	10°10	9°22	26°10	n.a.	W28
T 29	14 5 23	2°21'00	24°50	5°54	26°15	6°45	0°28	8° 8	16° 3	6°58	19° 9	10° 7	9°19	26°16	n.a.	T 29
F 30	14 9 20	3♉18'20	7♑28	8♉ 5	27♈29	6♏26	0♎23	8♉16	16♈ 6	7♉ 0	19♒10	10♈ 5	9♈16	26♒23	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n11	27s54	4s51	9s35	2s38	4s35	1s27	14s39	1n 2	0n 3	1n41	11n25	1s55	5n16	0s33	11n59	1s48	29s23	14s48	4n 8	4n20	17s34		n.a.
F 2	2 35	28 56	5 11	8 58	2 37	4 5	1 27	14 41	1 0	0 6	1 41	11 27	1 55	5 17	0 33	12 0	1 48	29 23	14 48	4 8	4 18	17 31		n.a.
S 3	2 58	28 29	5 17	8 20	2 35	3 35	1 26	14 42	0 58	0 9	1 41	11 30	1 54	5 19	0 33	12 1	1 48	29 22	14 48	4 8	4 17	17 28		n.a.
S 4	3 21	26 41	5 9	7 41	2 33	3 5	1 26	14 43	0 56	0 12	1 41	11 32	1 54	5 20	0 33	12 1	1 48	29 22	14 49	4 8	4 16	17 25		n.a.
M 5	3 44	23 43	4 47	7 0	2 30	2 34	1 25	14 44	0 53	0 15	1 41	11 35	1 54	5 21	0 33	12 2	1 48	29 22	14 49	4 8	4 15	17 22		n.a.
T 6	4 7	19 47	4 13	6 18	2 27	2 4	1 24	14 45	0 51	0 18	1 41	11 38	1 54	5 23	0 32	12 3	1 48	29 22	14 49	4 8	4 13	17 20		n.a.
W 7	4 30	15 6	3 28	5 34	2 23	1 34	1 23	14 45	0 49	0 21	1 41	11 40	1 54	5 24	0 32	12 3	1 48	29 22	14 50	4 8	4 12	17 17		n.a.
T 8	4 53	9 49	2 35	4 48	2 19	1 3	1 22	14 45	0 46	0 24	1 40	11 43	1 54	5 26	0 32	12 4	1 48	29 22	14 50	4 8	4 11	17 14		n.a.
F 9	5 16	4 10	1 34	4 2	2 14	0 33	1 21	14 46	0 44	0 27	1 40	11 46	1 54	5 27	0 32	12 5	1 48	29 22	14 50	4 8	4 10	17 11		n.a.
S 10	5 38	1n43	0 28	3 14	2 8	0 2	1 20	14 46	0 41	0 30	1 40	11 48	1 53	5 28	0 32	12 6	1 48	29 22	14 50	4 8	4 8	17 8		n.a.
S 11	6 1	7 37	0n40	2 24	2 2	0n28	1 19	14 45	0 39	0 33	1 40	11 51	1 53	5 30	0 32	12 6	1 48	29 22	14 51	4 8	4 7	17 5		n.a.
M12	6 24	13 20	1 47	1 34	1 56	0 59	1 18	14 45	0 36	0 36	1 40	11 53	1 53	5 31	0 32	12 7	1 48	29 22	14 51	4 8	4 6	17 3		n.a.
T 13	6 46	18 35	2 50	0 42	1 49	1 29	1 17	14 44	0 33	0 38	1 40	11 56	1 53	5 32	0 32	12 8	1 48	29 22	14 51	4 8	4 5	17 0		n.a.
W14	7 8	23 6	3 46	0n11	1 41	2 0	1 16	14 44	0 30	0 41	1 40	11 59	1 53	5 34	0 32	12 8	1 47	29 22	14 52	4 8	4 3	16 57		n.a.
T 15	7 31	26 31	4 30	1 5	1 33	2 30	1 15	14 43	0 27	0 44	1 40	12 1	1 53	5 35	0 32	12 9	1 47	29 22	14 52	4 7	4 2	16 54		n.a.
F 16	7 53	28 32	5 1	2 0	1 25	3 1	1 13	14 41	0 25	0 47	1 39	12 4	1 53	5 36	0 32	12 10	1 47	29 22	14 52	4 7	4 1	16 51		n.a.
S 17	8 15	28 52	5 16	2 56	1 16	3 31	1 12	14 40	0 22	0 49	1 39	12 7	1 53	5 38	0 32	12 11	1 47	29 22	14 53	4 7	4 0	16 48		n.a.
S 18	8 36	27 24	5 12	3 53	1 7	4 2	1 10	14 39	0 19	0 52	1 39	12 9	1 53	5 39	0 32	12 11	1 47	29 22	14 53	4 6	3 58	16 45		n.a.
M19	8 58	24 11	4 50	4 50	0 57	4 32	1 9	14 37	0 15	0 54	1 39	12 12	1 52	5 40	0 32	12 12	1 47	29 22	14 53	4 6	3 57	16 42		n.a.
T 20	9 20	19 28	4 9	5 48	0 47	5 2	1 7	14 35	0 12	0 57	1 39	12 15	1 52	5 42	0 32	12 13	1 47	29 22	14 54	4 7	3 56	16 39		n.a.
W21	9 41	13 36	3 13	6 46	0 37	5 32	1 6	14 33	0 9	0 59	1 39	12 17	1 52	5 43	0 32	12 14	1 47	29 22	14 54	4 7	3 54	16 37		n.a.
T 22	10 2	6 56	2 3	7 45	0 27	6 2	1 4	14 31	0 6	1 2	1 38	12 20	1 52	5 44	0 32	12 14	1 47	29 22	14 54	4 8	3 53	16 34		n.a.
F 23	10 24	0s 5	0 46	8 43	0 16	6 32	1 3	14 29	0 3	1 4	1 38	12 23	1 52	5 46	0 32	12 15	1 47	29 22	14 55	4 8	3 52	16 31		n.a.
S 24	10 44	7 4	0s34	9 42	0 6	7 2	1 1	14 27	0s 1	1 7	1 38	12 25	1 52	5 47	0 32	12 16	1 47	29 22	14 55	4 8	3 51	16 28		n.a.
S 25	11 5	13 36	1 50	10 40	0n 5	7 31	0 59	14 24	0 4	1 9	1 38	12 28	1 52	5 48	0 32	12 17	1 47	29 22	14 55	4 8	3 49	16 25		n.a.
M26	11 26	19 19	2 59	11 37	0 15	8 1	0 57	14 22	0 7	1 11	1 38	12 31	1 52	5 50	0 32	12 17	1 47	29 22	14 56	4 7	3 48	16 22		n.a.
T 27	11 46	23 54	3 55	12 34	0 26	8 30	0 55	14 19	0 11	1 13	1 37	12 33	1 52	5 51	0 32	12 18	1 47	29 22	14 56	4 6	3 47	16 19		n.a.
W28	12 7	27 4	4 37	13 29	0 36	8 59	0 54	14 16	0 14	1 15	1 37	12 36	1 52	5 52	0 32	12 19	1 47	29 22	14 56	4 5	3 46	16 16		n.a.
T 29	12 27	28 42	5 3	14 23	0 46	9 28	0 52	14 13	0 18	1 17	1 37	12 39	1 52	5 54	0 32	12 20	1 47	29 23	14 57	4 3	3 44	16 13		n.a.
F 30	12n47	28s46	5s14	15n15	0n56	9n56	0s50	14s10	0s21	1n19	1n37	12n41	1s51	5n55	0s32	12n20	1s47	29s23	14s57	4n 2	3n43	16s10		n.a.

Julian Day Number = 1569934.5, Delta T = 04h18m23s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°48'00, Lahiri = - 9°40'59 Julian Calendar 1 Apr. 415 BCE == Greg. Calendar 27 March 415 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

MAY 415 BCE (-414) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 13 16	4♉15'39	19♋48	10♉15	28♈42	6°R 6	0°R18	8♉24	16♈10	7♉ 2	19♒10	10°R 3	9♈13	26♒30	n.a.	S 1
S 2	14 17 13	5°12'58	1♒53	12°24	29°56	5♏47	0♎12	8°32	16°13	7° 4	19°11	10°D 2	9°10	26°36	n.a.	S 2
M 3	14 21 10	6°10'16	13°49	14°31	1♉ 9	5°27	0° 7	8°40	16°16	7° 7	19°11	10♈ 2	9° 6	26°43	n.a.	M 3
T 4	14 25 6	7° 7'34	25°40	16°37	2°23	5° 8	0° 3	8°48	16°20	7° 9	19°12	10° 3	9° 3	26°50	n.a.	T 4
W 5	14 29 3	8° 4'50	7♓31	18°41	3°37	4°48	29♍58	8°56	16°23	7°11	19°12	10° 5	9° 0	26°56	n.a.	W 5
T 6	14 32 59	9° 2'06	19°26	20°43	4°50	4°28	29°53	9° 3	16°26	7°13	19°13	10° 6	8°57	27° 3	n.a.	T 6
F 7	14 36 56	9°59'22	1♈30	22°44	6° 4	4° 8	29°49	9°11	16°29	7°16	19°13	10° 8	8°54	27°10	n.a.	F 7
S 8	14 40 52	10°56'37	13°46	24°42	7°17	3°49	29°44	9°19	16°33	7°18	19°14	10°R 8	8°51	27°17	n.a.	S 8
S 9	14 44 49	11°53'51	26°17	26°38	8°31	3°29	29°40	9°27	16°36	7°20	19°14	10° 7	8°47	27°23	n.a.	S 9
M10	14 48 45	12°51'05	9♉ 4	28°31	9°45	3°10	29°36	9°35	16°39	7°22	19°14	10° 4	8°44	27°30	n.a.	M10
T 11	14 52 42	13°48'18	22° 7	0♊22	10°58	2°51	29°33	9°43	16°42	7°25	19°15	10° 0	8°41	27°37	n.a.	T 11
W12	14 56 39	14°45'31	5♊27	2°11	12°12	2°32	29°29	9°51	16°45	7°27	19°15	9°55	8°38	27°43	n.a.	W12
T 13	15 0 35	15°42'43	19° 2	3°58	13°26	2°13	29°25	9°59	16°49	7°29	19°15	9°49	8°35	27°50	n.a.	T 13
F 14	15 4 32	16°39'54	2♋48	5°42	14°39	1°55	29°22	10° 7	16°52	7°31	19°16	9°44	8°32	27°57	n.a.	F 14
S 15	15 8 28	17°37'05	16°44	7°23	15°53	1°38	29°19	10°15	16°55	7°34	19°16	9°40	8°28	28° 3	n.a.	S 15
S 16	15 12 25	18°34'14	0♌48	9° 3	17° 7	1°20	29°16	10°22	16°58	7°36	19°16	9°37	8°25	28°10	n.a.	S 16
M17	15 16 21	19°31'23	14°56	10°39	18°20	1° 4	29°13	10°30	17° 1	7°38	19°16	9°D35	8°22	28°17	n.a.	M17
T 18	15 20 18	20°28'31	29° 7	12°13	19°34	0°47	29°11	10°38	17° 4	7°40	19°17	9°36	8°19	28°23	n.a.	T 18
W19	15 24 14	21°25'39	13♍20	13°45	20°47	0°32	29° 8	10°46	17° 7	7°42	19°17	9°37	8°16	28°30	n.a.	W19
T 20	15 28 11	22°22'45	27°31	15°14	22° 1	0°17	29° 6	10°54	17°10	7°45	19°17	9°38	8°12	28°37	n.a.	T 20
F 21	15 32 8	23°19'51	11♎39	16°40	23°15	0° 2	29° 4	11° 2	17°13	7°47	19°17	9°R38	8° 9	28°43	n.a.	F 21
S 22	15 36 4	24°16'57	25°42	18° 4	24°28	29♎49	29° 2	11° 9	17°16	7°49	19°17	9°37	8° 6	28°50	n.a.	S 22
S 23	15 40 1	25°14'02	9♏37	19°26	25°42	29°35	29° 0	11°17	17°19	7°51	19°17	9°34	8° 3	28°57	n.a.	S 23
M24	15 43 57	26°11'07	23°19	20°44	26°56	29°23	28°59	11°25	17°22	7°53	19°17	9°29	8° 0	29° 3	n.a.	M24
T 25	15 47 54	27° 8'12	6♐47	22° 0	28° 9	29°11	28°57	11°33	17°24	7°55	19°17	9°22	7°57	29°10	n.a.	T 25
W26	15 51 50	28° 5'16	19°58	23°13	29°23	29° 0	28°56	11°40	17°27	7°57	19°R17	9°14	7°53	29°17	n.a.	W26
T 27	15 55 47	29° 2'21	2♑51	24°23	0♊37	28°50	28°55	11°48	17°30	8° 0	19°17	9° 6	7°50	29°23	n.a.	T 27
F 28	15 59 44	29°59'26	15°26	25°31	1°50	28°41	28°54	11°56	17°33	8° 2	19°17	8°58	7°47	29°30	n.a.	F 28
S 29	16 3 40	0♊56'31	27°45	26°35	3° 4	28°32	28°54	12° 3	17°36	8° 4	19°17	8°51	7°44	29°37	n.a.	S 29
S 30	16 7 37	1°53'36	9♒50	27°37	4°18	28°24	28°53	12°11	17°38	8° 6	19°17	8°47	7°41	29°43	n.a.	S 30
M31	16 11 33	2♊50'41	21♒46	28♊35	5♊32	28♎17	28♍53	12♉19	17♈41	8♉ 8	19♒17	8♈44	7♈37	29♒50	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n 6	27s22	5s10	16n 6	1n 5	10n25	0s48	14s 7	0s25	1n21	1n37	12n44	1s51	5n56	0s32	12n21	1s47	29s23	14s57	4n 2	3n42	16s 7		n.a.
S 2	13 26	24 44	4 52	16 55	1 13	10 53	0 46	14 4	0 28	1 23	1 36	12 46	1 51	5 58	0 32	12 22	1 47	29 23	14 58	4 1	3 41	16 4		n.a.
M 3	13 45	21 3	4 22	17 42	1 22	11 21	0 44	14 0	0 32	1 25	1 36	12 49	1 51	5 59	0 32	12 23	1 47	29 23	14 58	4 1	3 39	16 1		n.a.
T 4	14 4	16 34	3 40	18 27	1 29	11 48	0 42	13 57	0 35	1 27	1 36	12 52	1 51	6 0	0 32	12 23	1 47	29 23	14 59	4 2	3 38	15 59		n.a.
W 5	14 23	11 28	2 49	19 9	1 36	12 16	0 39	13 54	0 39	1 28	1 36	12 54	1 51	6 1	0 32	12 24	1 47	29 24	14 59	4 2	3 37	15 56		n.a.
T 6	14 42	5 56	1 51	19 49	1 43	12 43	0 37	13 50	0 42	1 30	1 35	12 57	1 51	6 3	0 32	12 25	1 47	29 24	14 59	4 3	3 35	15 53		n.a.
F 7	15 0	0 7	0 47	20 26	1 49	13 10	0 35	13 47	0 46	1 32	1 35	12 59	1 51	6 4	0 32	12 26	1 47	29 24	15 0	4 4	3 34	15 50		n.a.
S 8	15 18	5n48	0n20	21 1	1 54	13 36	0 33	13 43	0 49	1 33	1 35	13 2	1 51	6 5	0 32	12 26	1 47	29 24	15 0	4 4	3 33	15 47		n.a.
S 9	15 36	11 37	1 27	21 34	1 58	14 2	0 31	13 40	0 53	1 35	1 35	13 5	1 51	6 6	0 32	12 27	1 47	29 24	15 0	4 3	3 32	15 44		n.a.
M10	15 54	17 5	2 31	22 4	2 2	14 28	0 29	13 36	0 56	1 36	1 34	13 7	1 51	6 8	0 32	12 28	1 47	29 25	15 1	4 2	3 30	15 41		n.a.
T 11	16 11	21 54	3 29	22 31	2 5	14 54	0 26	13 33	1 0	1 37	1 34	13 10	1 51	6 9	0 32	12 28	1 47	29 25	15 1	4 1	3 29	15 38		n.a.
W12	16 28	25 42	4 17	22 56	2 7	15 19	0 24	13 30	1 3	1 38	1 34	13 12	1 51	6 10	0 32	12 29	1 47	29 25	15 1	3 59	3 28	15 35		n.a.
T 13	16 45	28 7	4 50	23 19	2 8	15 44	0 22	13 26	1 6	1 40	1 34	13 15	1 51	6 11	0 32	12 30	1 47	29 25	15 2	3 56	3 27	15 32		n.a.
F 14	17 2	28 51	5 8	23 39	2 9	16 8	0 19	13 23	1 10	1 41	1 33	13 17	1 51	6 13	0 32	12 31	1 47	29 25	15 2	3 54	3 25	15 29		n.a.
S 15	17 18	27 47	5 8	23 57	2 9	16 32	0 17	13 20	1 13	1 42	1 33	13 20	1 51	6 14	0 32	12 31	1 47	29 26	15 3	3 52	3 24	15 26		n.a.
S 16	17 34	24 57	4 50	24 12	2 8	16 55	0 15	13 17	1 16	1 43	1 33	13 22	1 51	6 15	0 32	12 32	1 47	29 26	15 3	3 51	3 23	15 23		n.a.
M17	17 50	20 36	4 14	24 26	2 7	17 19	0 12	13 14	1 20	1 43	1 32	13 25	1 51	6 16	0 33	12 33	1 47	29 26	15 3	3 51	3 22	15 20		n.a.
T 18	18 6	15 4	3 22	24 37	2 5	17 41	0 10	13 11	1 23	1 44	1 32	13 27	1 51	6 17	0 33	12 34	1 47	29 27	15 4	3 51	3 20	15 17		n.a.
W19	18 21	8 45	2 18	24 46	2 2	18 4	0 8	13 9	1 26	1 45	1 32	13 30	1 51	6 18	0 33	12 34	1 47	29 27	15 4	3 51	3 19	15 14		n.a.
T 20	18 36	2 0	1 5	24 53	1 59	18 25	0 5	13 6	1 29	1 46	1 32	13 32	1 51	6 20	0 33	12 35	1 47	29 27	15 4	3 52	3 18	15 11		n.a.
F 21	18 51	4s50	0s11	24 59	1 55	18 47	0 3	13 4	1 32	1 46	1 31	13 35	1 51	6 21	0 33	12 36	1 47	29 27	15 5	3 52	3 16	15 8		n.a.
S 22	19 5	11 23	1 26	25 2	1 50	19 7	0 1	13 2	1 35	1 47	1 31	13 37	1 51	6 22	0 33	12 36	1 47	29 28	15 5	3 52	3 15	15 5		n.a.
S 23	19 19	17 19	2 35	25 4	1 45	19 28	0n 2	13 0	1 38	1 47	1 31	13 40	1 51	6 23	0 33	12 37	1 47	29 28	15 6	3 50	3 14	15 2		n.a.
M24	19 33	22 17	3 33	25 4	1 39	19 47	0 4	12 58	1 41	1 47	1 30	13 42	1 50	6 24	0 33	12 38	1 47	29 28	15 6	3 48	3 13	14 59		n.a.
T 25	19 46	25 59	4 19	25 2	1 32	20 7	0 6	12 56	1 44	1 48	1 30	13 44	1 50	6 25	0 33	12 38	1 47	29 29	15 6	3 46	3 11	14 56		n.a.
W26	19 59	28 11	4 50	24 59	1 25	20 25	0 9	12 55	1 46	1 48	1 30	13 47	1 50	6 26	0 33	12 39	1 47	29 29	15 7	3 42	3 10	14 53		n.a.
T 27	20 12	28 48	5 5	24 54	1 17	20 43	0 11	12 54	1 49	1 48	1 30	13 49	1 50	6 27	0 33	12 40	1 47	29 30	15 7	3 39	3 9	14 50		n.a.
F 28	20 25	27 53	5 5	24 49	1 8	21 1	0 14	12 53	1 52	1 48	1 29	13 52	1 50	6 28	0 33	12 40	1 47	29 30	15 7	3 36	3 8	14 47		n.a.
S 29	20 37	25 37	4 50	24 41	0 59	21 18	0 16	12 52	1 54	1 48	1 29	13 54	1 50	6 29	0 33	12 41	1 47	29 30	15 8	3 33	3 6	14 44		n.a.
S 30	20 48	22 14	4 23	24 33	0 50	21 34	0 18	12 51	1 57	1 48	1 29	13 56	1 50	6 30	0 33	12 42	1 47	29 31	15 8	3 31	3 5	14 41		n.a.
M31	21n 0	17s58	3s45	24n24	0n39	21n50	0n21	12s51	1s59	1n48	1n28	13n59	1s50	6n31	0s33	12n42	1s47	29s31	15s 8	3n30	3n 4	14s37		n.a.

Julian Day Number = 1569964.5, Delta T = 04h18m22s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'56, Lahiri = - 9°40'55 Julian Calendar 1 May 415 BCE == Greg. Calendar 26 Apr. 415 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

JUNE 415 BCE (-414) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 15 30	3♊47'46	3♓36	29♊30	6♊45	28°R11	28°D53	12♉26	17♈44	8♉10	19°R17	8°D44	7♈34	29♒57	n.a.	T 1
W 2	16 19 26	4°44'52	15°27	0♋21	7°59	28♎ 5	28♍53	12°34	17°46	8°12	19♒17	8♈44	7°31	0♓ 3	n.a.	W 2
T 3	16 23 23	5°41'58	27°23	1°10	9°13	28° 0	28°53	12°41	17°49	8°14	19°16	8°45	7°28	0°10	n.a.	T 3
F 4	16 27 19	6°39'05	9♈30	1°54	10°27	27°57	28°54	12°49	17°51	8°16	19°16	8°R45	7°25	0°17	n.a.	F 4
S 5	16 31 16	7°36'12	21°52	2°35	11°40	27°54	28°54	12°56	17°54	8°18	19°16	8°45	7°22	0°23	n.a.	S 5
S 6	16 35 13	8°33'19	4♉32	3°12	12°54	27°51	28°55	13° 4	17°56	8°20	19°16	8°42	7°18	0°30	n.a.	S 6
M 7	16 39 9	9°30'27	17°33	3°45	14° 8	27°50	28°56	13°11	17°59	8°22	19°15	8°36	7°15	0°37	n.a.	M 7
T 8	16 43 6	10°27'35	0♊56	4°14	15°22	27°D50	28°57	13°18	18° 1	8°24	19°15	8°29	7°12	0°44	n.a.	T 8
W 9	16 47 2	11°24'44	14°40	4°39	16°35	27°50	28°58	13°26	18° 4	8°26	19°15	8°20	7° 9	0°50	n.a.	W 9
T 10	16 50 59	12°21'53	28°40	4°59	17°49	27°51	29° 0	13°33	18° 6	8°28	19°15	8°10	7° 6	0°57	n.a.	T 10
F 11	16 54 55	13°19'02	12♋54	5°15	19° 3	27°53	29° 2	13°40	18° 8	8°30	19°14	8° 0	7° 3	1° 4	n.a.	F 11
S 12	16 58 52	14°16'12	27°14	5°26	20°17	27°56	29° 4	13°47	18°10	8°32	19°14	7°52	6°59	1°10	n.a.	S 12
S 13	17 2 49	15°13'21	11♌36	5°33	21°31	28° 0	29° 6	13°55	18°13	8°34	19°13	7°45	6°56	1°17	n.a.	S 13
M14	17 6 45	16°10'31	25°55	5°R34	22°45	28° 5	29° 8	14° 2	18°15	8°36	19°13	7°42	6°53	1°24	n.a.	M14
T 15	17 10 42	17° 7'41	10♍ 9	5°31	23°58	28°10	29°10	14° 9	18°17	8°38	19°13	7°40	6°50	1°30	n.a.	T 15
W16	17 14 38	18° 4'52	24°15	5°23	25°12	28°16	29°13	14°16	18°19	8°39	19°12	7°D40	6°47	1°37	n.a.	W16
T 17	17 18 35	19° 2'02	8♎13	5°10	26°26	28°23	29°15	14°23	18°21	8°41	19°12	7°R40	6°43	1°44	n.a.	T 17
F 18	17 22 31	19°59'13	22° 1	4°53	27°40	28°31	29°18	14°30	18°23	8°43	19°11	7°40	6°40	1°50	n.a.	F 18
S 19	17 26 28	20°56'24	5♏41	4°30	28°54	28°39	29°21	14°37	18°25	8°45	19°11	7°37	6°37	1°57	n.a.	S 19
S 20	17 30 24	21°53'36	19°11	4° 4	0♋ 8	28°49	29°25	14°44	18°27	8°47	19°10	7°32	6°34	2° 4	n.a.	S 20
M21	17 34 21	22°50'49	2♐30	3°33	1°21	28°59	29°28	14°51	18°29	8°48	19° 9	7°24	6°31	2°10	n.a.	M21
T 22	17 38 18	23°48'02	15°37	2°59	2°35	29°10	29°32	14°57	18°31	8°50	19° 9	7°13	6°28	2°17	n.a.	T 22
W23	17 42 14	24°45'16	28°31	2°22	3°49	29°21	29°36	15° 4	18°33	8°52	19° 8	7° 1	6°24	2°24	n.a.	W23
T 24	17 46 11	25°42'30	11♑12	1°42	5° 3	29°33	29°39	15°11	18°35	8°53	19° 8	6°49	6°21	2°30	n.a.	T 24
F 25	17 50 7	26°39'46	23°38	1° 0	6°17	29°46	29°44	15°17	18°36	8°55	19° 7	6°37	6°18	2°37	n.a.	F 25
S 26	17 54 4	27°37'02	5♒51	0°16	7°31	29°59	29°48	15°24	18°38	8°57	19° 6	6°26	6°15	2°44	n.a.	S 26
S 27	17 58 0	28°34'20	17°52	29♊32	8°45	0♏14	29°52	15°31	18°40	8°58	19° 6	6°18	6°12	2°50	n.a.	S 27
M28	18 1 57	29°31'39	29°45	28°49	9°59	0°29	29°57	15°37	18°41	9° 0	19° 5	6°13	6° 9	2°57	n.a.	M28
T 29	18 5 53	0♋28'58	11♓34	28° 6	11°13	0°44	0♎ 1	15°43	18°43	9° 1	19° 4	6°10	6° 5	3° 4	n.a.	T 29
W30	18 9 50	1♋26'19	23♓24	27♊25	12♋27	1♏ 0	0♎ 6	15♉50	18♈45	9♉ 3	19♒ 3	6♈ 9	6♈ 2	3♓10	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n11	13s 3	2s57	24n14	0n29	22n 6	0n23	12s51	2s 2	1n48	1n28	14n 1	1s50	6n32	0s33	12n43	1s47	29s31	15s 9	3n30	3n 3	14s34		n.a.
W 2	21 22	7 40	2 2	24 2	0 17	22 20	0 25	12 51	2 4	1 47	1 28	14 3	1 51	6 33	0 33	12 44	1 47	29 32	15 9	3 30	3 1	14 31		n.a.
T 3	21 32	1 59	1 1	23 50	0 6	22 34	0 27	12 51	2 6	1 47	1 27	14 6	1 51	6 34	0 33	12 44	1 47	29 32	15 10	3 31	3 0	14 28		n.a.
F 4	21 42	3n52	0n 4	23 38	0s 7	22 47	0 30	12 52	2 8	1 46	1 27	14 8	1 51	6 35	0 33	12 45	1 47	29 33	15 10	3 31	2 59	14 25		n.a.
S 5	21 52	9 42	1 10	23 24	0 19	23 0	0 32	12 53	2 10	1 46	1 27	14 10	1 51	6 36	0 33	12 46	1 48	29 33	15 10	3 31	2 57	14 22		n.a.
S 6	22 1	15 17	2 13	23 10	0 32	23 12	0 34	12 54	2 12	1 45	1 26	14 12	1 51	6 37	0 33	12 46	1 48	29 33	15 11	3 29	2 56	14 19		n.a.
M 7	22 10	20 21	3 12	22 56	0 46	23 23	0 36	12 55	2 14	1 45	1 26	14 14	1 51	6 38	0 33	12 47	1 48	29 34	15 11	3 27	2 55	14 16		n.a.
T 8	22 18	24 32	4 1	22 41	1 0	23 34	0 38	12 57	2 16	1 44	1 26	14 17	1 51	6 39	0 33	12 47	1 48	29 34	15 11	3 24	2 54	14 13		n.a.
W 9	22 26	27 27	4 38	22 26	1 14	23 44	0 41	12 59	2 18	1 43	1 26	14 19	1 51	6 40	0 33	12 48	1 48	29 35	15 12	3 21	2 52	14 10		n.a.
T 10	22 34	28 43	4 59	22 11	1 28	23 53	0 43	13 1	2 20	1 42	1 25	14 21	1 51	6 41	0 33	12 49	1 48	29 35	15 12	3 17	2 51	14 7		n.a.
F 11	22 41	28 7	5 2	21 56	1 43	24 2	0 45	13 3	2 22	1 41	1 25	14 23	1 51	6 42	0 33	12 49	1 48	29 36	15 12	3 13	2 50	14 4		n.a.
S 12	22 48	25 39	4 46	21 40	1 58	24 10	0 47	13 6	2 23	1 40	1 25	14 25	1 51	6 43	0 33	12 50	1 48	29 36	15 13	3 9	2 49	14 1		n.a.
S 13	22 55	21 33	4 12	21 25	2 13	24 17	0 49	13 9	2 25	1 39	1 24	14 27	1 51	6 44	0 33	12 50	1 48	29 37	15 13	3 7	2 47	13 58		n.a.
M14	23 1	16 13	3 23	21 10	2 27	24 23	0 51	13 12	2 26	1 38	1 24	14 30	1 51	6 44	0 33	12 51	1 48	29 37	15 13	3 5	2 46	13 54		n.a.
T 15	23 7	10 2	2 21	20 56	2 42	24 29	0 53	13 15	2 28	1 37	1 24	14 32	1 51	6 45	0 33	12 52	1 48	29 37	15 14	3 5	2 45	13 51		n.a.
W16	23 12	3 24	1 11	20 42	2 57	24 34	0 55	13 19	2 29	1 35	1 23	14 34	1 51	6 46	0 33	12 52	1 48	29 38	15 14	3 5	2 43	13 48		n.a.
T 17	23 17	3s20	0s 3	20 28	3 11	24 38	0 56	13 23	2 31	1 34	1 23	14 36	1 51	6 47	0 33	12 53	1 48	29 38	15 14	3 5	2 42	13 45		n.a.
F 18	23 22	9 51	1 15	20 15	3 24	24 42	0 58	13 27	2 32	1 33	1 23	14 38	1 51	6 48	0 33	12 53	1 48	29 39	15 15	3 5	2 41	13 42		n.a.
S 19	23 26	15 49	2 23	20 3	3 37	24 45	1 0	13 31	2 33	1 31	1 23	14 40	1 51	6 48	0 33	12 54	1 48	29 39	15 15	3 4	2 40	13 39		n.a.
S 20	23 30	20 58	3 21	19 52	3 49	24 47	1 2	13 36	2 35	1 29	1 22	14 42	1 51	6 49	0 33	12 54	1 48	29 40	15 15	3 2	2 38	13 36		n.a.
M21	23 33	24 58	4 7	19 41	4 1	24 48	1 3	13 40	2 36	1 28	1 22	14 44	1 51	6 50	0 33	12 55	1 48	29 40	15 16	2 58	2 37	13 33		n.a.
T 22	23 36	27 36	4 40	19 32	4 11	24 48	1 5	13 45	2 37	1 26	1 22	14 46	1 51	6 50	0 33	12 55	1 48	29 41	15 16	2 54	2 36	13 30		n.a.
W23	23 39	28 42	4 57	19 24	4 20	24 48	1 7	13 50	2 38	1 24	1 21	14 48	1 51	6 51	0 33	12 56	1 48	29 41	15 16	2 49	2 35	13 26		n.a.
T 24	23 41	28 15	5 0	19 17	4 27	24 47	1 8	13 56	2 39	1 23	1 21	14 49	1 51	6 52	0 33	12 56	1 48	29 42	15 17	2 44	2 33	13 23		n.a.
F 25	23 42	26 22	4 48	19 11	4 34	24 46	1 10	14 1	2 40	1 21	1 21	14 51	1 51	6 52	0 33	12 57	1 48	29 42	15 17	2 40	2 32	13 20		n.a.
S 26	23 44	23 17	4 23	19 7	4 38	24 43	1 11	14 7	2 41	1 19	1 21	14 53	1 51	6 53	0 33	12 57	1 48	29 43	15 17	2 35	2 31	13 17		n.a.
S 27	23 44	19 15	3 46	19 4	4 41	24 40	1 13	14 13	2 42	1 17	1 20	14 55	1 52	6 54	0 33	12 58	1 48	29 43	15 18	2 32	2 29	13 14		n.a.
M28	23 45	14 30	3 0	19 2	4 42	24 36	1 14	14 19	2 43	1 14	1 20	14 57	1 52	6 54	0 33	12 58	1 48	29 44	15 18	2 30	2 28	13 11		n.a.
T 29	23 45	9 15	2 6	19 2	4 42	24 31	1 15	14 26	2 44	1 12	1 20	14 59	1 52	6 55	0 33	12 59	1 48	29 44	15 18	2 29	2 27	13 8		n.a.
W30	23n44	3s41	1s 7	19n 4	4s39	24n26	1n17	14s32	2s44	1n10	1n19	15n 0	1s52	6n55	0s33	12n59	1s48	29s45	15s19	2n28	2n26	13s 4		n.a.

Julian Day Number = 1569995.5, Delta T = 04h18m21s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'52, Lahiri = - 9°40'51 Julian Calendar 1 June 415 BCE == Greg. Calendar 27 May 415 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

JULY 415 BCE (-414) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 13 47	2♋23'42	5♈19	26°R47	13♋40	1♏17	0♎11	15♉56	18♈46	9♉ 4	19°R 3	6°R 9	5♈59	3♓17	n.a.	T 1
F 2	18 17 43	3°21'05	17°26	26♊12	14°54	1°35	0°17	16° 2	18°47	9° 6	19♒ 2	6♈ 9	5°56	3°24	n.a.	F 2
S 3	18 21 40	4°18'30	29°48	25°40	16° 8	1°53	0°22	16° 9	18°49	9° 7	19° 1	6° 7	5°53	3°30	n.a.	S 3
S 4	18 25 36	5°15'57	12♉32	25°14	17°22	2°11	0°27	16°15	18°50	9° 9	19° 0	6° 4	5°49	3°37	n.a.	S 4
M 5	18 29 33	6°13'24	25°41	24°53	18°36	2°30	0°33	16°21	18°52	9°10	18°59	5°58	5°46	3°44	n.a.	M 5
T 6	18 33 29	7°10'54	9♊16	24°37	19°50	2°50	0°39	16°27	18°53	9°12	18°59	5°49	5°43	3°50	n.a.	T 6
W 7	18 37 26	8° 8'24	23°16	24°28	21° 4	3°11	0°45	16°33	18°54	9°13	18°58	5°39	5°40	3°57	n.a.	W 7
T 8	18 41 23	9° 5'56	7♋37	24°D25	22°18	3°32	0°51	16°39	18°55	9°14	18°57	5°27	5°37	4° 4	n.a.	T 8
F 9	18 45 19	10° 3'29	22°15	24°29	23°32	3°53	0°57	16°44	18°56	9°16	18°56	5°16	5°34	4°10	n.a.	F 9
S 10	18 49 16	11° 1'04	7♌ 0	24°39	24°46	4°15	1° 3	16°50	18°57	9°17	18°55	5° 6	5°30	4°17	n.a.	S 10
S 11	18 53 12	11°58'39	21°46	24°57	26° 0	4°38	1°10	16°56	18°58	9°18	18°54	4°59	5°27	4°24	n.a.	S 11
M12	18 57 9	12°56'16	6♍24	25°21	27°14	5° 1	1°17	17° 1	18°59	9°19	18°53	4°54	5°24	4°30	n.a.	M12
T 13	19 1 5	13°53'54	20°50	25°53	28°28	5°24	1°23	17° 7	19° 0	9°20	18°52	4°52	5°21	4°37	n.a.	T 13
W14	19 5 2	14°51'32	5♎ 1	26°31	29°42	5°48	1°30	17°12	19° 1	9°22	18°51	4°D52	5°18	4°44	n.a.	W14
T 15	19 8 58	15°49'12	18°56	27°17	0♌56	6°13	1°37	17°18	19° 2	9°23	18°50	4°R52	5°15	4°50	n.a.	T 15
F 16	19 12 55	16°46'53	2♏36	28° 9	2°10	6°38	1°45	17°23	19° 3	9°24	18°49	4°51	5°11	4°57	n.a.	F 16
S 17	19 16 52	17°44'35	16° 0	29° 8	3°24	7° 3	1°52	17°28	19° 4	9°25	18°48	4°48	5° 8	5° 4	n.a.	S 17
S 18	19 20 48	18°42'19	29°11	0♋13	4°38	7°29	1°59	17°33	19° 4	9°26	18°47	4°43	5° 5	5°10	n.a.	S 18
M19	19 24 45	19°40'04	12♐10	1°24	5°52	7°56	2° 7	17°38	19° 5	9°27	18°46	4°35	5° 2	5°17	n.a.	M19
T 20	19 28 41	20°37'50	24°57	2°41	7° 6	8°22	2°15	17°43	19° 5	9°28	18°45	4°25	4°59	5°24	n.a.	T 20
W21	19 32 38	21°35'38	7♑33	4° 4	8°20	8°50	2°23	17°48	19° 6	9°29	18°44	4°13	4°55	5°30	n.a.	W21
T 22	19 36 34	22°33'27	19°58	5°32	9°34	9°17	2°31	17°53	19° 6	9°30	18°43	4° 0	4°52	5°37	n.a.	T 22
F 23	19 40 31	23°31'18	2♒12	7° 4	10°48	9°45	2°39	17°58	19° 7	9°31	18°42	3°48	4°49	5°44	n.a.	F 23
S 24	19 44 27	24°29'10	14°16	8°42	12° 2	10°13	2°47	18° 3	19° 7	9°32	18°41	3°38	4°46	5°50	n.a.	S 24
S 25	19 48 24	25°27'05	26°12	10°22	13°16	10°42	2°55	18° 7	19° 8	9°32	18°40	3°30	4°43	5°57	n.a.	S 25
M26	19 52 21	26°25'01	8♓ 2	12° 7	14°30	11°11	3° 4	18°12	19° 8	9°33	18°39	3°24	4°40	6° 4	n.a.	M26
T 27	19 56 17	27°22'59	19°49	13°54	15°44	11°41	3°12	18°16	19° 8	9°34	18°37	3°21	4°36	6°10	n.a.	T 27
W28	20 0 14	28°20'58	1♈38	15°44	16°58	12°11	3°21	18°21	19° 8	9°35	18°36	3°D20	4°33	6°17	n.a.	W28
T 29	20 4 10	29°19'00	13°32	17°36	18°12	12°41	3°30	18°25	19° 8	9°35	18°35	3°21	4°30	6°24	n.a.	T 29
F 30	20 8 7	0♌17'04	25°37	19°30	19°26	13°12	3°39	18°29	19° 8	9°36	18°34	3°R21	4°27	6°30	n.a.	F 30
S 31	20 12 3	1♌15'10	7♉57	21♋25	20♌40	13♏42	3♎48	18♉33	19°R 9	9♉37	18♒33	3♈21	4♈24	6♓37	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n44	2n 4	0s 4	19n 7	4s35	24n20	1n18	14s39	2s45	1n 8	1n19	15n 2	1s52	6n56	0s33	13n 0	1s48	29s46	15s19	2n28	2n24	13s 1		n.a.
F 2	23 42	7 50	0n59	19 12	4 30	24 13	1 19	14 45	2 46	1 5	1 19	15 4	1 52	6 57	0 33	13 0	1 48	29 46	15 19	2 28	2 23	12 58		n.a.
S 3	23 41	13 27	2 2	19 18	4 22	24 5	1 20	14 52	2 46	1 3	1 19	15 6	1 52	6 57	0 33	13 1	1 48	29 47	15 19	2 28	2 22	12 55		n.a.
S 4	23 38	18 39	3 0	19 26	4 14	23 57	1 21	15 0	2 47	1 1	1 18	15 7	1 52	6 58	0 33	13 1	1 49	29 47	15 20	2 26	2 21	12 52		n.a.
M 5	23 36	23 9	3 50	19 36	4 4	23 47	1 22	15 7	2 48	0 58	1 18	15 9	1 52	6 58	0 33	13 1	1 49	29 48	15 20	2 24	2 19	12 49		n.a.
T 6	23 33	26 33	4 29	19 46	3 52	23 38	1 23	15 14	2 48	0 56	1 18	15 11	1 52	6 59	0 33	13 2	1 49	29 48	15 20	2 20	2 18	12 45		n.a.
W 7	23 30	28 28	4 54	19 58	3 40	23 27	1 24	15 22	2 49	0 53	1 17	15 12	1 52	6 59	0 33	13 2	1 49	29 49	15 20	2 16	2 17	12 42		n.a.
T 8	23 26	28 31	5 0	20 12	3 26	23 16	1 25	15 30	2 49	0 50	1 17	15 14	1 52	6 59	0 33	13 3	1 49	29 49	15 21	2 12	2 15	12 39		n.a.
F 9	23 22	26 37	4 48	20 26	3 12	23 4	1 25	15 38	2 50	0 47	1 17	15 15	1 53	7 0	0 33	13 3	1 49	29 50	15 21	2 7	2 14	12 36		n.a.
S 10	23 17	22 52	4 16	20 41	2 57	22 51	1 26	15 46	2 50	0 45	1 17	15 17	1 53	7 0	0 33	13 3	1 49	29 50	15 21	2 3	2 13	12 33		n.a.
S 11	23 12	17 41	3 27	20 57	2 42	22 38	1 27	15 54	2 50	0 42	1 16	15 19	1 53	7 1	0 33	13 4	1 49	29 51	15 21	2 0	2 12	12 30		n.a.
M12	23 7	11 30	2 24	21 14	2 26	22 24	1 27	16 2	2 51	0 39	1 16	15 20	1 53	7 1	0 33	13 4	1 49	29 51	15 22	1 58	2 10	12 26		n.a.
T 13	23 1	4 48	1 14	21 31	2 10	22 10	1 28	16 10	2 51	0 36	1 16	15 21	1 53	7 1	0 33	13 4	1 49	29 52	15 22	1 58	2 9	12 23		n.a.
W14	22 54	2s 2	0s 1	21 48	1 54	21 54	1 28	16 19	2 51	0 33	1 16	15 23	1 53	7 2	0 33	13 5	1 49	29 53	15 22	1 57	2 8	12 20		n.a.
T 15	22 48	8 39	1 14	22 5	1 38	21 38	1 28	16 27	2 52	0 30	1 15	15 24	1 53	7 2	0 33	13 5	1 49	29 53	15 22	1 57	2 7	12 17		n.a.
F 16	22 41	14 44	2 21	22 22	1 22	21 22	1 28	16 36	2 52	0 27	1 15	15 26	1 53	7 2	0 34	13 5	1 49	29 54	15 23	1 57	2 5	12 14		n.a.
S 17	22 33	20 1	3 19	22 39	1 6	21 5	1 29	16 45	2 52	0 23	1 15	15 27	1 53	7 2	0 34	13 5	1 49	29 54	15 23	1 56	2 4	12 10		n.a.
S 18	22 25	24 14	4 6	22 54	0 51	20 47	1 29	16 54	2 52	0 20	1 15	15 28	1 53	7 3	0 34	13 6	1 49	29 55	15 23	1 54	2 3	12 7		n.a.
M19	22 17	27 9	4 39	23 9	0 36	20 29	1 29	17 3	2 52	0 17	1 14	15 30	1 54	7 3	0 34	13 6	1 49	29 55	15 23	1 51	2 1	12 4		n.a.
T 20	22 8	28 36	4 57	23 22	0 21	20 10	1 29	17 12	2 52	0 14	1 14	15 31	1 54	7 3	0 34	13 6	1 49	29 56	15 23	1 47	2 0	12 1		n.a.
W21	21 59	28 32	5 1	23 34	0 7	19 50	1 29	17 21	2 53	0 10	1 14	15 32	1 54	7 3	0 34	13 7	1 49	29 56	15 24	1 42	1 59	11 58		n.a.
T 22	21 50	27 1	4 50	23 44	0n 6	19 30	1 29	17 30	2 53	0 7	1 14	15 34	1 54	7 3	0 34	13 7	1 49	29 57	15 24	1 37	1 58	11 54		n.a.
F 23	21 40	24 14	4 26	23 52	0 19	19 10	1 28	17 39	2 53	0 3	1 13	15 35	1 54	7 4	0 34	13 7	1 49	29 57	15 24	1 32	1 56	11 51		n.a.
S 24	21 30	20 25	3 50	23 59	0 31	18 49	1 28	17 48	2 53	0s 0	1 13	15 36	1 54	7 4	0 34	13 7	1 50	29 58	15 24	1 28	1 55	11 48		n.a.
S 25	21 19	15 49	3 4	24 2	0 42	18 27	1 28	17 57	2 53	0 4	1 13	15 37	1 54	7 4	0 34	13 7	1 50	29 58	15 24	1 24	1 54	11 45		n.a.
M26	21 8	10 41	2 11	24 3	0 52	18 5	1 27	18 7	2 53	0 7	1 13	15 38	1 54	7 4	0 34	13 8	1 50	29 59	15 25	1 22	1 52	11 42		n.a.
T 27	20 57	5 10	1 11	24 2	1 2	17 42	1 27	18 16	2 53	0 11	1 12	15 39	1 55	7 4	0 34	13 8	1 50	29 59	15 25	1 21	1 51	11 38		n.a.
W28	20 45	0n31	0 9	23 58	1 10	17 19	1 26	18 25	2 53	0 15	1 12	15 41	1 55	7 4	0 34	13 8	1 50	30 0	15 25	1 21	1 50	11 35		n.a.
T 29	20 33	6 14	0n54	23 52	1 18	16 56	1 26	18 35	2 52	0 19	1 12	15 42	1 55	7 4	0 34	13 8	1 50	30 1	15 25	1 21	1 49	11 32		n.a.
F 30	20 21	11 49	1 56	23 42	1 25	16 32	1 25	18 44	2 52	0 22	1 12	15 43	1 55	7 4	0 34	13 8	1 50	30 1	15 25	1 21	1 47	11 29		n.a.
S 31	20n 8	17n 5	2n54	23n30	1n30	16n 7	1n24	18s53	2s52	0s26	1n12	15n44	1s55	7n 4	0s34	13n 9	1s50	30s 2	15s25	1n21	1n46	11s25		n.a.

Julian Day Number = 1570025.5, Delta T = 04h18m20s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'48, Lahiri = - 9°40'47 Julian Calendar 1 July 415 BCE == Greg. Calendar 26 June 415 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

AUGUST 415 BCE (-414) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 16 0	2♌13'18	20♉39	23♋21	21♌54	14♏14	3♎57	18♉37	19°R 9	9♉37	18°R32	3°R19	4♈21	6♓44	n.a.	S 1
M 2	20 19 56	3°11'28	3♊47	25°18	23° 8	14°45	4° 6	18°41	19♈ 8	9°38	18♒31	3♈16	4°17	6°50	n.a.	M 2
T 3	20 23 53	4° 9'40	17°23	27°15	24°22	15°17	4°15	18°45	19° 8	9°39	18°29	3°10	4°14	6°57	n.a.	T 3
W 4	20 27 50	5° 7'55	1♋28	29°12	25°36	15°49	4°25	18°48	19° 8	9°39	18°28	3° 2	4°11	7° 4	n.a.	W 4
T 5	20 31 46	6° 6'11	15°58	1♌ 8	26°50	16°22	4°34	18°52	19° 8	9°40	18°27	2°53	4° 8	7°10	n.a.	T 5
F 6	20 35 43	7° 4'30	0♌50	3° 5	28° 4	16°55	4°44	18°56	19° 8	9°40	18°26	2°44	4° 5	7°17	n.a.	F 6
S 7	20 39 39	8° 2'50	15°53	5° 1	29°18	17°28	4°54	18°59	19° 7	9°40	18°25	2°37	4° 1	7°24	n.a.	S 7
S 8	20 43 36	9° 1'13	0♍59	6°56	0♍32	18° 1	5° 4	19° 2	19° 7	9°41	18°23	2°31	3°58	7°30	n.a.	S 8
M 9	20 47 32	9°59'37	15°58	8°51	1°46	18°35	5°14	19° 6	19° 7	9°41	18°22	2°28	3°55	7°37	n.a.	M 9
T 10	20 51 29	10°58'02	0♎42	10°44	3° 0	19° 9	5°24	19° 9	19° 6	9°41	18°21	2°D27	3°52	7°44	n.a.	T 10
W11	20 55 25	11°56'30	15° 7	12°37	4°14	19°43	5°34	19°12	19° 6	9°42	18°20	2°27	3°49	7°50	n.a.	W11
T 12	20 59 22	12°54'59	29°10	14°29	5°28	20°18	5°44	19°15	19° 5	9°42	18°18	2°28	3°46	7°57	n.a.	T 12
F 13	21 3 18	13°53'30	12♏51	16°20	6°42	20°52	5°55	19°18	19° 4	9°42	18°17	2°R29	3°42	8° 4	n.a.	F 13
S 14	21 7 15	14°52'03	26°11	18° 9	7°55	21°27	6° 5	19°20	19° 4	9°42	18°16	2°28	3°39	8°10	n.a.	S 14
S 15	21 11 12	15°50'38	9♐13	19°58	9° 9	22° 3	6°16	19°23	19° 3	9°42	18°15	2°26	3°36	8°17	n.a.	S 15
M16	21 15 8	16°49'14	21°58	21°46	10°23	22°38	6°26	19°25	19° 2	9°43	18°14	2°21	3°33	8°24	n.a.	M16
T 17	21 19 5	17°47'52	4♑30	23°33	11°37	23°14	6°37	19°28	19° 1	9°43	18°12	2°15	3°30	8°30	n.a.	T 17
W18	21 23 1	18°46'32	16°51	25°18	12°51	23°50	6°48	19°30	19° 1	9°43	18°11	2° 7	3°27	8°37	n.a.	W18
T 19	21 26 58	19°45'15	29° 2	27° 3	14° 5	24°26	6°59	19°32	19° 0	9°R43	18°10	1°59	3°23	8°44	n.a.	T 19
F 20	21 30 54	20°43'59	11♒ 4	28°46	15°19	25° 3	7°10	19°34	18°59	9°43	18° 9	1°52	3°20	8°50	n.a.	F 20
S 21	21 34 51	21°42'45	23° 0	0♍29	16°33	25°39	7°21	19°36	18°58	9°43	18° 7	1°45	3°17	8°57	n.a.	S 21
S 22	21 38 47	22°41'33	4♓51	2°11	17°46	26°16	7°32	19°38	18°57	9°43	18° 6	1°40	3°14	9° 4	n.a.	S 22
M23	21 42 44	23°40'23	16°39	3°51	19° 0	26°53	7°43	19°40	18°56	9°42	18° 5	1°37	3°11	9°10	n.a.	M23
T 24	21 46 41	24°39'15	28°27	5°31	20°14	27°30	7°54	19°42	18°54	9°42	18° 4	1°D36	3° 7	9°17	n.a.	T 24
W25	21 50 37	25°38'10	10♈16	7°10	21°28	28° 8	8° 5	19°43	18°53	9°42	18° 3	1°36	3° 4	9°23	n.a.	W25
T 26	21 54 34	26°37'07	22°12	8°47	22°42	28°45	8°17	19°45	18°52	9°42	18° 1	1°37	3° 1	9°30	n.a.	T 26
F 27	21 58 30	27°36'06	4♉18	10°24	23°55	29°23	8°28	19°46	18°51	9°42	18° 0	1°39	2°58	9°37	n.a.	F 27
S 28	22 2 27	28°35'08	16°38	12° 0	25° 9	0♐ 1	8°40	19°47	18°50	9°41	17°59	1°41	2°55	9°43	n.a.	S 28
S 29	22 6 23	29°34'13	29°17	13°35	26°23	0°39	8°52	19°49	18°48	9°41	17°58	1°R41	2°52	9°50	n.a.	S 29
M30	22 10 20	0♍33'19	12♊19	15° 9	27°37	1°18	9° 3	19°50	18°47	9°41	17°56	1°41	2°48	9°57	n.a.	M30
T 31	22 14 16	1♍32'29	25♊49	16♍43	28♍50	1♐56	9♎15	19♉50	18♈45	9♉40	17♒55	1♈39	2♈45	10♓ 3	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	19n55	21n45	3n45	23n16	1n35	15n42	1n23	19s 3	2s52	0s30	1n11	15n45	1s55	7n 4	0s34	13n 9	1s50	30s 2	15s25	1n20	1n45	11s22			n.a.
M 2	19 42	25 32	4 26	22 59	1 39	15 17	1 23	19 12	2 52	0 34	1 11	15 46	1 55	7 4	0 34	13 9	1 50	30 3	15 26	1 19	1 44	11 19			n.a.
T 3	19 28	28 1	4 54	22 39	1 43	14 51	1 22	19 22	2 52	0 38	1 11	15 46	1 55	7 4	0 34	13 9	1 50	30 3	15 26	1 16	1 42	11 16			n.a.
W 4	19 14	28 50	5 5	22 18	1 45	14 25	1 21	19 31	2 51	0 42	1 11	15 47	1 56	7 4	0 34	13 9	1 50	30 4	15 26	1 13	1 41	11 12			n.a.
T 5	18 59	27 42	4 57	21 54	1 47	13 58	1 20	19 40	2 51	0 46	1 10	15 48	1 56	7 4	0 34	13 9	1 50	30 4	15 26	1 10	1 40	11 9			n.a.
F 6	18 45	24 37	4 30	21 28	1 48	13 31	1 18	19 50	2 51	0 50	1 10	15 49	1 56	7 4	0 34	13 9	1 50	30 5	15 26	1 6	1 38	11 6			n.a.
S 7	18 29	19 49	3 43	21 0	1 48	13 4	1 17	19 59	2 51	0 54	1 10	15 50	1 56	7 3	0 34	13 9	1 50	30 5	15 26	1 3	1 37	11 3			n.a.
S 8	18 14	13 46	2 41	20 31	1 48	12 36	1 16	20 9	2 50	0 58	1 10	15 51	1 56	7 3	0 34	13 9	1 50	30 6	15 26	1 1	1 36	10 59			n.a.
M 9	17 58	6 57	1 28	20 0	1 47	12 8	1 14	20 18	2 50	1 2	1 10	15 51	1 56	7 3	0 34	13 9	1 50	30 6	15 26	1 0	1 35	10 56			n.a.
T 10	17 42	0s 8	0 9	19 27	1 45	11 40	1 13	20 27	2 50	1 7	1 9	15 52	1 56	7 3	0 34	13 9	1 51	30 7	15 26	0 59	1 33	10 53			n.a.
W11	17 26	7 4	1s 8	18 53	1 43	11 12	1 12	20 36	2 49	1 11	1 9	15 53	1 57	7 3	0 34	13 10	1 51	30 7	15 26	0 59	1 32	10 50			n.a.
T 12	17 9	13 29	2 19	18 18	1 41	10 43	1 10	20 46	2 49	1 15	1 9	15 53	1 57	7 2	0 34	13 10	1 51	30 7	15 26	1 0	1 31	10 46			n.a.
F 13	16 52	19 4	3 20	17 42	1 38	10 13	1 8	20 55	2 49	1 20	1 9	15 54	1 57	7 2	0 34	13 10	1 51	30 8	15 26	1 0	1 30	10 43			n.a.
S 14	16 35	23 35	4 9	17 5	1 34	9 44	1 7	21 4	2 48	1 24	1 9	15 55	1 57	7 2	0 34	13 10	1 51	30 8	15 27	1 0	1 28	10 40			n.a.
S 15	16 18	26 47	4 44	16 27	1 31	9 14	1 5	21 13	2 48	1 28	1 8	15 55	1 57	7 2	0 34	13 10	1 51	30 9	15 27	0 59	1 27	10 37			n.a.
M16	16 0	28 33	5 3	15 48	1 27	8 44	1 3	21 22	2 48	1 33	1 8	15 56	1 57	7 1	0 34	13 10	1 51	30 9	15 27	0 57	1 26	10 33			n.a.
T 17	15 42	28 48	5 8	15 8	1 22	8 14	1 1	21 31	2 47	1 37	1 8	15 56	1 58	7 1	0 34	13 9	1 51	30 10	15 27	0 54	1 24	10 30			n.a.
W18	15 23	27 36	4 58	14 28	1 17	7 44	0 59	21 40	2 47	1 42	1 8	15 57	1 58	7 1	0 34	13 9	1 51	30 10	15 27	0 51	1 23	10 27			n.a.
T 19	15 5	25 6	4 35	13 47	1 12	7 13	0 57	21 48	2 46	1 46	1 8	15 57	1 58	7 0	0 34	13 9	1 51	30 11	15 27	0 48	1 22	10 24			n.a.
F 20	14 46	21 31	4 0	13 6	1 7	6 43	0 55	21 57	2 46	1 51	1 8	15 58	1 58	7 0	0 34	13 9	1 51	30 11	15 27	0 45	1 21	10 20			n.a.
S 21	14 27	17 5	3 14	12 24	1 1	6 12	0 53	22 5	2 45	1 55	1 7	15 58	1 58	7 0	0 34	13 9	1 51	30 11	15 27	0 42	1 19	10 17			n.a.
S 22	14 8	12 2	2 20	11 42	0 55	5 41	0 51	22 14	2 45	2 0	1 7	15 58	1 58	6 59	0 34	13 9	1 51	30 12	15 27	0 40	1 18	10 14			n.a.
M23	13 48	6 34	1 21	10 59	0 49	5 9	0 49	22 22	2 44	2 4	1 7	15 59	1 58	6 59	0 34	13 9	1 51	30 12	15 27	0 39	1 17	10 10			n.a.
T 24	13 28	0 53	0 17	10 17	0 43	4 38	0 47	22 31	2 44	2 9	1 7	15 59	1 59	6 58	0 34	13 9	1 51	30 13	15 27	0 39	1 15	10 7			n.a.
W25	13 8	4n51	0n47	9 34	0 37	4 6	0 45	22 39	2 43	2 14	1 7	15 59	1 59	6 58	0 34	13 9	1 51	30 13	15 27	0 39	1 14	10 4			n.a.
T 26	12 48	10 27	1 50	8 51	0 30	3 35	0 42	22 47	2 42	2 19	1 7	16 0	1 59	6 57	0 34	13 9	1 51	30 13	15 27	0 39	1 13	10 1			n.a.
F 27	12 28	15 46	2 49	8 8	0 24	3 3	0 40	22 55	2 42	2 23	1 6	16 0	1 59	6 57	0 34	13 9	1 51	30 14	15 27	0 40	1 12	9 57			n.a.
S 28	12 7	20 34	3 42	7 25	0 17	2 31	0 37	23 2	2 41	2 28	1 6	16 0	1 59	6 56	0 34	13 8	1 52	30 14	15 27	0 41	1 10	9 54			n.a.
S 29	11 46	24 34	4 25	6 41	0 10	1 59	0 35	23 10	2 41	2 33	1 6	16 0	1 59	6 56	0 34	13 8	1 52	30 14	15 26	0 41	1 9	9 51			n.a.
M30	11 25	27 27	4 56	5 58	0 3	1 27	0 32	23 18	2 40	2 38	1 6	16 0	1 59	6 55	0 34	13 8	1 52	30 15	15 26	0 41	1 8	9 47			n.a.
T 31	11n 4	28n53	5n12	5n15	0s 4	0n55	0n30	23s25	2s39	2s42	1n 6	16n 0	2s 0	6n55	0s34	13n 8	1s52	30s15	15s26	0n40	1n 7	9s44			n.a.

Julian Day Number = 1570056.5, Delta T = 04h18m19s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'43, Lahiri = - 9°40'43 Julian Calendar 1 Aug. 415 BCE == Greg. Calendar 27 July 415 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

SEPTEMBER 415 BCE (-414) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 18 13	2♍31'41	9♋46	18♍15	0♎ 4	2♐35	9♎27	19♉51	18°R44	9°R40	17°R54	1°R36	2♈42	10♓10	n.a.	W 1
T 2	22 22 10	3°30'55	24°11	19°47	1°18	3°14	9°39	19°52	18♈42	9♉39	17♒53	1♈32	2°39	10°17	n.a.	T 2
F 3	22 26 6	4°30'11	9♌ 0	21°18	2°31	3°53	9°51	19°53	18°41	9°39	17°52	1°28	2°36	10°23	n.a.	F 3
S 4	22 30 3	5°29'30	24° 6	22°48	3°45	4°32	10° 3	19°53	18°39	9°38	17°51	1°24	2°33	10°30	n.a.	S 4
S 5	22 33 59	6°28'51	9♍20	24°17	4°59	5°12	10°15	19°53	18°38	9°38	17°49	1°22	2°29	10°37	n.a.	S 5
M 6	22 37 56	7°28'14	24°32	25°45	6°12	5°51	10°27	19°54	18°36	9°37	17°48	1°D21	2°26	10°43	n.a.	M 6
T 7	22 41 52	8°27'39	9♎32	27°13	7°26	6°31	10°39	19°R54	18°34	9°37	17°47	1°21	2°23	10°50	n.a.	T 7
W 8	22 45 49	9°27'06	24°13	28°40	8°40	7°11	10°51	19°54	18°32	9°36	17°46	1°22	2°20	10°57	n.a.	W 8
T 9	22 49 45	10°26'35	8♏29	0♎ 5	9°53	7°51	11° 4	19°54	18°31	9°35	17°45	1°23	2°17	11° 3	n.a.	T 9
F 10	22 53 42	11°26'06	22°20	1°30	11° 7	8°31	11°16	19°53	18°29	9°35	17°44	1°24	2°13	11°10	n.a.	F 10
S 11	22 57 38	12°25'39	5♐46	2°54	12°20	9°11	11°28	19°53	18°27	9°34	17°43	1°25	2°10	11°17	n.a.	S 11
S 12	23 1 35	13°25'14	18°47	4°17	13°34	9°51	11°41	19°53	18°25	9°33	17°42	1°R25	2° 7	11°23	n.a.	S 12
M13	23 5 32	14°24'51	1♑29	5°39	14°48	10°32	11°53	19°52	18°23	9°32	17°40	1°24	2° 4	11°30	n.a.	M13
T 14	23 9 28	15°24'29	13°53	7° 0	16° 1	11°12	12° 6	19°51	18°21	9°31	17°39	1°23	2° 1	11°37	n.a.	T 14
W15	23 13 25	16°24'09	26° 4	8°20	17°15	11°53	12°19	19°50	18°19	9°31	17°38	1°21	1°58	11°43	n.a.	W15
T 16	23 17 21	17°23'52	8♒ 6	9°38	18°28	12°34	12°31	19°50	18°17	9°30	17°37	1°19	1°54	11°50	n.a.	T 16
F 17	23 21 18	18°23'36	20° 0	10°56	19°41	13°15	12°44	19°49	18°15	9°29	17°36	1°16	1°51	11°57	n.a.	F 17
S 18	23 25 14	19°23'22	1♓50	12°12	20°55	13°56	12°57	19°47	18°13	9°28	17°35	1°15	1°48	12° 3	n.a.	S 18
S 19	23 29 11	20°23'10	13°39	13°27	22° 8	14°37	13° 9	19°46	18°11	9°27	17°34	1°14	1°45	12°10	n.a.	S 19
M20	23 33 7	21°23'00	25°27	14°40	23°22	15°19	13°22	19°45	18° 9	9°26	17°33	1°D13	1°42	12°17	n.a.	M20
T 21	23 37 4	22°22'52	7♈19	15°51	24°35	16° 0	13°35	19°43	18° 7	9°25	17°32	1°13	1°38	12°23	n.a.	T 21
W22	23 41 1	23°22'47	19°15	17° 1	25°48	16°42	13°48	19°42	18° 4	9°24	17°31	1°13	1°35	12°30	n.a.	W22
T 23	23 44 57	24°22'43	1♉18	18° 8	27° 2	17°23	14° 1	19°40	18° 2	9°23	17°30	1°14	1°32	12°36	n.a.	T 23
F 24	23 48 54	25°22'42	13°31	19°13	28°15	18° 5	14°14	19°38	18° 0	9°22	17°29	1°15	1°29	12°43	n.a.	F 24
S 25	23 52 50	26°22'43	25°56	20°16	29°28	18°47	14°27	19°37	17°58	9°21	17°29	1°15	1°26	12°50	n.a.	S 25
S 26	23 56 47	27°22'46	8♊38	21°17	0♏41	19°29	14°40	19°35	17°55	9°19	17°28	1°16	1°23	12°56	n.a.	S 26
M27	0 0 43	28°22'52	21°38	22°14	1°55	20°11	14°53	19°32	17°53	9°18	17°27	1°16	1°19	13° 3	n.a.	M27
T 28	0 4 40	29°23'00	5♋ 0	23° 8	3° 8	20°53	15° 6	19°30	17°51	9°17	17°26	1°R16	1°16	13°10	n.a.	T 28
W29	0 8 36	0♎23'10	18°46	23°58	4°21	21°35	15°19	19°28	17°48	9°16	17°25	1°16	1°13	13°16	n.a.	W29
T 30	0 12 33	1♎23'22	2♌56	24♎44	5♏34	22♐17	15♎32	19♉26	17♈46	9♉14	17♒24	1°D16	1♈10	13♓23	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n42	28n32	5n10	4n32	0s11	0n23	0n27	23s32	2s39	2s47	1n 6	16n 0	2s 0	6n54	0s34	13n 8	1s52	30s15	15s26	0n38	1n 5	9s41		n.a.
T 2	10 21	26 18	4 50	3 49	0 18	0s 9	0 25	23 39	2 38	2 52	1 5	16 0	2 0	6 53	0 34	13 8	1 52	30 16	15 26	0 37	1 4	9 37		n.a.
F 3	9 59	22 14	4 9	3 6	0 25	0 41	0 22	23 46	2 37	2 57	1 5	16 0	2 0	6 53	0 34	13 7	1 52	30 16	15 26	0 35	1 3	9 34		n.a.
S 4	9 37	16 39	3 11	2 24	0 33	1 13	0 19	23 53	2 37	3 2	1 5	16 0	2 0	6 52	0 35	13 7	1 52	30 16	15 26	0 34	1 1	9 31		n.a.
S 5	9 15	10 0	1 58	1 41	0 40	1 45	0 17	24 0	2 36	3 7	1 5	16 0	2 0	6 52	0 35	13 7	1 52	30 17	15 26	0 33	1 0	9 27		n.a.
M 6	8 53	2 46	0 37	0 59	0 47	2 17	0 14	24 6	2 35	3 12	1 5	16 0	2 1	6 51	0 35	13 7	1 52	30 17	15 26	0 32	0 59	9 24		n.a.
T 7	8 30	4s31	0s45	0 18	0 54	2 49	0 11	24 13	2 35	3 17	1 5	16 0	2 1	6 50	0 35	13 6	1 52	30 17	15 26	0 32	0 58	9 21		n.a.
W 8	8 8	11 24	2 3	0s24	1 2	3 21	0 8	24 19	2 34	3 22	1 5	16 0	2 1	6 50	0 35	13 6	1 52	30 18	15 26	0 33	0 56	9 17		n.a.
T 9	7 45	17 31	3 11	1 5	1 9	3 53	0 5	24 25	2 33	3 27	1 4	16 0	2 1	6 49	0 35	13 6	1 52	30 18	15 26	0 33	0 55	9 14		n.a.
F 10	7 22	22 32	4 6	1 46	1 16	4 25	0 2	24 31	2 32	3 32	1 4	16 0	2 1	6 48	0 35	13 6	1 52	30 18	15 25	0 34	0 54	9 11		n.a.
S 11	6 59	26 13	4 45	2 26	1 23	4 57	0s 0	24 37	2 32	3 37	1 4	15 59	2 1	6 47	0 35	13 5	1 52	30 18	15 25	0 34	0 52	9 7		n.a.
S 12	6 36	28 23	5 8	3 6	1 30	5 28	0 3	24 42	2 31	3 42	1 4	15 59	2 1	6 47	0 35	13 5	1 52	30 19	15 25	0 34	0 51	9 4		n.a.
M13	6 13	29 0	5 16	3 45	1 37	6 0	0 6	24 47	2 30	3 47	1 4	15 59	2 2	6 46	0 35	13 5	1 52	30 19	15 25	0 34	0 50	9 1		n.a.
T 14	5 49	28 8	5 9	4 24	1 43	6 31	0 9	24 53	2 29	3 52	1 4	15 59	2 2	6 45	0 35	13 4	1 52	30 19	15 25	0 33	0 49	8 57		n.a.
W15	5 26	25 54	4 47	5 2	1 50	7 3	0 12	24 57	2 29	3 57	1 4	15 58	2 2	6 44	0 35	13 4	1 52	30 19	15 25	0 33	0 47	8 54		n.a.
T 16	5 2	22 33	4 14	5 39	1 57	7 34	0 15	25 2	2 28	4 2	1 4	15 58	2 2	6 44	0 35	13 4	1 53	30 19	15 25	0 32	0 46	8 51		n.a.
F 17	4 39	18 18	3 29	6 16	2 3	8 5	0 18	25 7	2 27	4 7	1 3	15 57	2 2	6 43	0 35	13 4	1 53	30 20	15 24	0 31	0 45	8 47		n.a.
S 18	4 15	13 23	2 36	6 51	2 9	8 36	0 21	25 11	2 26	4 12	1 3	15 57	2 2	6 42	0 35	13 3	1 53	30 20	15 24	0 30	0 44	8 44		n.a.
S 19	3 51	7 59	1 36	7 26	2 15	9 6	0 24	25 15	2 25	4 17	1 3	15 57	2 2	6 41	0 35	13 3	1 53	30 20	15 24	0 30	0 42	8 41		n.a.
M20	3 28	2 19	0 32	8 0	2 21	9 37	0 27	25 19	2 25	4 23	1 3	15 56	2 3	6 40	0 35	13 2	1 53	30 20	15 24	0 29	0 41	8 37		n.a.
T 21	3 4	3n27	0n34	8 33	2 26	10 7	0 30	25 23	2 24	4 28	1 3	15 56	2 3	6 39	0 35	13 2	1 53	30 20	15 24	0 29	0 40	8 34		n.a.
W22	2 40	9 9	1 39	9 5	2 31	10 37	0 33	25 26	2 23	4 33	1 3	15 55	2 3	6 39	0 35	13 2	1 53	30 20	15 24	0 30	0 38	8 31		n.a.
T 23	2 16	14 34	2 39	9 36	2 36	11 7	0 36	25 30	2 22	4 38	1 3	15 54	2 3	6 38	0 35	13 1	1 53	30 21	15 23	0 30	0 37	8 27		n.a.
F 24	1 52	19 30	3 34	10 5	2 41	11 36	0 39	25 33	2 21	4 43	1 3	15 54	2 3	6 37	0 35	13 1	1 53	30 21	15 23	0 30	0 36	8 24		n.a.
S 25	1 27	23 41	4 20	10 33	2 45	12 5	0 43	25 36	2 20	4 48	1 3	15 53	2 3	6 36	0 35	13 1	1 53	30 21	15 23	0 30	0 35	8 21		n.a.
S 26	1 3	26 51	4 53	11 0	2 48	12 34	0 46	25 38	2 19	4 54	1 2	15 53	2 3	6 35	0 35	13 0	1 53	30 21	15 23	0 31	0 33	8 17		n.a.
M27	0 39	28 42	5 13	11 24	2 51	13 3	0 49	25 41	2 18	4 59	1 2	15 52	2 3	6 34	0 35	13 0	1 53	30 21	15 23	0 31	0 32	8 14		n.a.
T 28	0 15	28 56	5 17	11 47	2 54	13 31	0 52	25 43	2 18	5 4	1 2	15 51	2 4	6 33	0 35	12 59	1 53	30 21	15 22	0 31	0 31	8 11		n.a.
W29	0s 9	27 25	5 3	12 8	2 56	13 59	0 55	25 45	2 17	5 9	1 2	15 50	2 4	6 32	0 35	12 59	1 53	30 21	15 22	0 31	0 29	8 7		n.a.
T 30	0s34	24n 8	4n31	12s26	2s57	14s27	0s58	25s47	2s16	5s14	1n 2	15n50	2s 4	6n32	0s35	12n58	1s53	30s21	15s22	0n31	0n28	8s 4		n.a.

Julian Day Number = 1570087.5, Delta T = 04h18m17s
Ecliptic obliquity = 23°44'53, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'39, Lahiri = - 9°40'39 Julian Calendar 1 Sept. 415 BCE == Greg. Calendar 27 Aug. 415 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

OCTOBER 415 BCE (-414) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 16 30	2♎23'37	17♌29	25♎25	6♏47	22♐59	15♎45	19°R23	17°R44	9°R13	17°R23	1♈16	1♈ 7	13♓30	n.a.	F 1
S 2	0 20 26	3°23'53	2♍20	26° 1	8° 0	23°42	15°59	19♉20	17♈41	9♉12	17♒23	1°16	1° 4	13°36	n.a.	S 2
S 3	0 24 23	4°24'12	17°24	26°32	9°13	24°24	16°12	19°18	17°39	9°11	17°22	1°16	1° 0	13°43	n.a.	S 3
M 4	0 28 19	5°24'32	2♎32	26°56	10°26	25° 7	16°25	19°15	17°36	9° 9	17°21	1°R16	0°57	13°50	n.a.	M 4
T 5	0 32 16	6°24'55	17°35	27°14	11°39	25°49	16°38	19°12	17°34	9° 8	17°20	1°16	0°54	13°56	n.a.	T 5
W 6	0 36 12	7°25'19	2♏23	27°23	12°52	26°32	16°52	19° 9	17°32	9° 7	17°20	1°16	0°51	14° 3	n.a.	W 6
T 7	0 40 9	8°25'45	16°51	27°R25	14° 5	27°15	17° 5	19° 6	17°29	9° 5	17°19	1°15	0°48	14°10	n.a.	T 7
F 8	0 44 5	9°26'13	0♐53	27°17	15°18	27°58	17°18	19° 3	17°27	9° 4	17°18	1°14	0°44	14°16	n.a.	F 8
S 9	0 48 2	10°26'42	14°28	27° 0	16°31	28°41	17°32	19° 0	17°24	9° 2	17°18	1°13	0°41	14°23	n.a.	S 9
S 10	0 51 59	11°27'12	27°37	26°34	17°44	29°24	17°45	18°56	17°22	9° 1	17°17	1°12	0°38	14°30	n.a.	S 10
M11	0 55 55	12°27'45	10♑21	25°57	18°57	0♑ 7	17°58	18°53	17°19	8°59	17°16	1°D12	0°35	14°36	n.a.	M11
T 12	0 59 52	13°28'18	22°45	25°10	20°10	0°50	18°12	18°49	17°17	8°58	17°16	1°12	0°32	14°43	n.a.	T 12
W13	1 3 48	14°28'53	4♒53	24°13	21°22	1°33	18°25	18°46	17°14	8°56	17°15	1°13	0°29	14°50	n.a.	W13
T 14	1 7 45	15°29'29	16°50	23° 8	22°35	2°16	18°38	18°42	17°12	8°55	17°15	1°14	0°25	14°56	n.a.	T 14
F 15	1 11 41	16°30'07	28°41	21°56	23°48	2°59	18°52	18°38	17° 9	8°53	17°14	1°15	0°22	15° 3	n.a.	F 15
S 16	1 15 38	17°30'45	10♓28	20°38	25° 0	3°43	19° 5	18°34	17° 7	8°52	17°13	1°17	0°19	15° 9	n.a.	S 16
S 17	1 19 34	18°31'26	22°17	19°17	26°13	4°26	19°19	18°30	17° 4	8°50	17°13	1°18	0°16	15°16	n.a.	S 17
M18	1 23 31	19°32'07	4♈ 9	17°56	27°26	5°10	19°32	18°26	17° 2	8°49	17°12	1°R18	0°13	15°23	n.a.	M18
T 19	1 27 27	20°32'51	16° 8	16°37	28°38	5°53	19°45	18°22	16°59	8°47	17°12	1°17	0°10	15°29	n.a.	T 19
W20	1 31 24	21°33'35	28°15	15°24	29°50	6°36	19°59	18°18	16°57	8°45	17°12	1°15	0° 6	15°36	n.a.	W20
T 21	1 35 21	22°34'21	10♉32	14°17	1♐ 3	7°20	20°12	18°14	16°54	8°44	17°11	1°13	0° 3	15°43	n.a.	T 21
F 22	1 39 17	23°35'09	23° 0	13°19	2°15	8° 3	20°26	18°10	16°52	8°42	17°11	1° 9	29♓59	15°49	n.a.	F 22
S 23	1 43 14	24°35'58	5♊40	12°32	3°28	8°47	20°39	18° 5	16°49	8°40	17°10	1° 5	29°57	15°56	n.a.	S 23
S 24	1 47 10	25°36'49	18°34	11°56	4°40	9°31	20°52	18° 1	16°47	8°39	17°10	1° 2	29°54	16° 3	n.a.	S 24
M25	1 51 7	26°37'41	1♋41	11°32	5°52	10°14	21° 6	17°57	16°44	8°37	17°10	0°59	29°50	16° 9	n.a.	M25
T 26	1 55 3	27°38'35	15° 4	11°20	7° 4	10°58	21°19	17°52	16°42	8°36	17°10	0°57	29°47	16°16	n.a.	T 26
W27	1 59 0	28°39'31	28°44	11°D18	8°16	11°42	21°32	17°48	16°40	8°34	17° 9	0°D56	29°44	16°23	n.a.	W27
T 28	2 2 57	29°40'28	12♌41	11°27	9°28	12°26	21°46	17°43	16°37	8°32	17° 9	0°57	29°41	16°29	n.a.	T 28
F 29	2 6 53	0♏41'26	26°54	11°46	10°40	13° 9	21°59	17°38	16°35	8°30	17° 9	0°58	29°38	16°36	n.a.	F 29
S 30	2 10 50	1°42'26	11♍23	12°14	11°52	13°53	22°13	17°34	16°32	8°29	17° 9	0°59	29°35	16°43	n.a.	S 30
S 31	2 14 46	2♏43'27	26♍ 3	12♎50	13♐ 4	14♑37	22♎26	17♉29	16♈30	8♉27	17♒ 8	1°R 0	29♓31	16♓49	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	0s58	19n17	3n40	12s42	2s58	14s54	1s 1	25s48	2s15	5s20	1n 2	15n49	2s 4	6n31	0s35	12n58	1s53	30s21	15s22	0n31	0n27	8s 0		n.a.
S 2	1 22	13 10	2 34	12 55	2 57	15 21	1 3	25 49	2 14	5 25	1 2	15 48	2 4	6 30	0 35	12 58	1 53	30 21	15 21	0 31	0 26	7 57		n.a.
S 3	1 46	6 12	1 16	13 5	2 56	15 48	1 6	25 51	2 13	5 30	1 2	15 47	2 4	6 29	0 35	12 57	1 53	30 21	15 21	0 31	0 24	7 54		n.a.
M 4	2 11	1s 8	0s 7	13 12	2 54	16 14	1 9	25 51	2 12	5 35	1 2	15 46	2 4	6 28	0 35	12 57	1 53	30 21	15 21	0 31	0 23	7 50		n.a.
T 5	2 35	8 22	1 29	13 15	2 50	16 40	1 12	25 52	2 11	5 40	1 2	15 45	2 4	6 27	0 35	12 56	1 53	30 21	15 21	0 31	0 22	7 47		n.a.
W 6	2 59	15 2	2 44	13 14	2 45	17 6	1 15	25 52	2 10	5 46	1 2	15 45	2 4	6 26	0 35	12 56	1 53	30 21	15 20	0 30	0 20	7 44		n.a.
T 7	3 23	20 42	3 47	13 9	2 39	17 31	1 18	25 52	2 9	5 51	1 2	15 44	2 4	6 25	0 35	12 55	1 53	30 21	15 20	0 30	0 19	7 40		n.a.
F 8	3 47	25 4	4 34	12 59	2 31	17 55	1 21	25 52	2 8	5 56	1 1	15 43	2 5	6 24	0 35	12 55	1 53	30 21	15 20	0 30	0 18	7 37		n.a.
S 9	4 11	27 52	5 4	12 44	2 22	18 19	1 23	25 52	2 7	6 1	1 1	15 42	2 5	6 23	0 35	12 54	1 53	30 21	15 20	0 29	0 17	7 33		n.a.
S 10	4 35	29 0	5 17	12 24	2 11	18 43	1 26	25 51	2 6	6 7	1 1	15 41	2 5	6 22	0 35	12 54	1 53	30 21	15 19	0 29	0 15	7 30		n.a.
M11	4 59	28 33	5 13	11 59	1 58	19 6	1 29	25 50	2 5	6 12	1 1	15 40	2 5	6 21	0 35	12 53	1 53	30 21	15 19	0 29	0 14	7 27		n.a.
T 12	5 23	26 39	4 55	11 28	1 44	19 29	1 31	25 49	2 4	6 17	1 1	15 39	2 5	6 20	0 35	12 53	1 53	30 21	15 19	0 29	0 13	7 23		n.a.
W13	5 47	23 33	4 24	10 52	1 27	19 51	1 34	25 48	2 3	6 22	1 1	15 38	2 5	6 19	0 35	12 52	1 53	30 21	15 18	0 29	0 12	7 20		n.a.
T 14	6 10	19 31	3 42	10 11	1 10	20 13	1 37	25 46	2 2	6 27	1 1	15 37	2 5	6 18	0 35	12 52	1 54	30 21	15 18	0 30	0 10	7 17		n.a.
F 15	6 34	14 45	2 51	9 26	0 51	20 34	1 39	25 44	2 1	6 33	1 1	15 35	2 5	6 17	0 35	12 51	1 54	30 21	15 18	0 30	0 9	7 13		n.a.
S 16	6 58	9 28	1 53	8 38	0 31	20 54	1 42	25 42	2 0	6 38	1 1	15 34	2 5	6 16	0 35	12 51	1 54	30 21	15 18	0 31	0 8	7 10		n.a.
S 17	7 21	3 52	0 50	7 48	0 10	21 14	1 44	25 40	1 59	6 43	1 1	15 33	2 5	6 15	0 35	12 50	1 54	30 21	15 17	0 31	0 6	7 6		n.a.
M18	7 44	1n55	0n16	6 58	0n11	21 34	1 46	25 37	1 58	6 48	1 1	15 32	2 5	6 14	0 35	12 50	1 54	30 21	15 17	0 31	0 5	7 3		n.a.
T 19	8 8	7 40	1 21	6 8	0 31	21 53	1 49	25 34	1 57	6 53	1 1	15 31	2 5	6 13	0 35	12 49	1 54	30 21	15 17	0 31	0 4	7 0		n.a.
W20	8 31	13 13	2 23	5 22	0 51	22 11	1 51	25 31	1 56	6 58	1 1	15 30	2 5	6 13	0 35	12 49	1 54	30 20	15 16	0 30	0 3	6 56		n.a.
T 21	8 54	18 20	3 20	4 39	1 9	22 29	1 53	25 28	1 55	7 4	1 1	15 28	2 5	6 12	0 35	12 48	1 54	30 20	15 16	0 29	0 1	6 53		n.a.
F 22	9 16	22 45	4 8	4 1	1 25	22 46	1 55	25 24	1 54	7 9	1 1	15 27	2 5	6 11	0 35	12 48	1 54	30 20	15 16	0 28	0s 0	6 49		n.a.
S 23	9 39	26 11	4 44	3 29	1 40	23 2	1 57	25 20	1 53	7 14	1 1	15 26	2 5	6 10	0 35	12 47	1 54	30 20	15 16	0 26	0 1	6 46		n.a.
S 24	10 2	28 20	5 7	3 3	1 53	23 18	1 59	25 16	1 52	7 19	1 1	15 25	2 5	6 9	0 35	12 46	1 54	30 20	15 15	0 25	0 3	6 43		n.a.
M25	10 24	28 58	5 14	2 44	2 4	23 33	2 1	25 12	1 51	7 24	1 0	15 24	2 5	6 8	0 35	12 46	1 54	30 20	15 15	0 24	0 4	6 39		n.a.
T 26	10 46	27 56	5 5	2 30	2 13	23 48	2 3	25 7	1 50	7 29	1 0	15 22	2 5	6 7	0 35	12 45	1 54	30 19	15 15	0 23	0 5	6 36		n.a.
W27	11 8	25 13	4 38	2 24	2 20	24 1	2 5	25 2	1 49	7 34	1 0	15 21	2 5	6 6	0 35	12 45	1 54	30 19	15 14	0 23	0 6	6 32		n.a.
T 28	11 30	20 58	3 55	2 22	2 25	24 15	2 7	24 57	1 48	7 39	1 0	15 20	2 5	6 5	0 35	12 44	1 54	30 19	15 14	0 23	0 8	6 29		n.a.
F 29	11 52	15 27	2 56	2 26	2 28	24 27	2 8	24 52	1 47	7 44	1 0	15 18	2 5	6 4	0 35	12 44	1 54	30 19	15 14	0 23	0 9	6 25		n.a.
S 30	12 13	9 1	1 46	2 35	2 31	24 39	2 10	24 46	1 46	7 49	1 0	15 17	2 5	6 3	0 35	12 43	1 54	30 18	15 13	0 24	0 10	6 22		n.a.
S 31	12s34	2n 0	0n27	2s49	2n31	24s50	2s11	24s41	1s45	7s54	1n 0	15n16	2s 5	6n 2	0s35	12n43	1s54	30s18	15s13	0n24	0s12	6s19		n.a.

Julian Day Number = 1570117.5, Delta T = 04h18m16s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'35, Lahiri = - 9°40'35 Julian Calendar 1 Oct. 415 BCE == Greg. Calendar 26 Sept. 415 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

NOVEMBER 415 BCE (-414) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 18 43	3♏44'30	10♎50	13♎33	14♐16	15♑21	22♎39	17°R24	16°R28	8°R25	17°R 8	1°R 0	29♓28	16♓56	n.a.	M 1
T 2	2 22 39	4°45'33	25°37	14°22	15°27	16° 5	22°52	17♉19	16♈25	8♉24	17♒ 8	0♈58	29°25	17° 3	n.a.	T 2
W 3	2 26 36	5°46'38	10♏17	15°17	16°39	16°49	23° 6	17°15	16°23	8°22	17° 8	0°54	29°22	17° 9	n.a.	W 3
T 4	2 30 32	6°47'44	24°43	16°17	17°51	17°33	23°19	17°10	16°21	8°20	17° 8	0°49	29°19	17°16	n.a.	T 4
F 5	2 34 29	7°48'51	8♐47	17°21	19° 2	18°17	23°32	17° 5	16°18	8°19	17° 8	0°43	29°16	17°22	n.a.	F 5
S 6	2 38 26	8°49'58	22°27	18°29	20°14	19° 1	23°45	17° 0	16°16	8°17	17°D 8	0°37	29°12	17°29	n.a.	S 6
S 7	2 42 22	9°51'07	5♑42	19°39	21°25	19°45	23°59	16°55	16°14	8°15	17° 8	0°31	29° 9	17°36	n.a.	S 7
M 8	2 46 19	10°52'15	18°31	20°53	22°36	20°29	24°12	16°50	16°12	8°13	17° 8	0°27	29° 6	17°42	n.a.	M 8
T 9	2 50 15	11°53'25	0♒59	22° 9	23°48	21°13	24°25	16°45	16° 9	8°12	17° 8	0°24	29° 3	17°49	n.a.	T 9
W10	2 54 12	12°54'35	13° 9	23°27	24°59	21°57	24°38	16°40	16° 7	8°10	17° 8	0°D24	29° 0	17°56	n.a.	W10
T 11	2 58 8	13°55'45	25° 6	24°47	26°10	22°41	24°51	16°35	16° 5	8° 8	17° 8	0°24	28°56	18° 2	n.a.	T 11
F 12	3 2 5	14°56'55	6♓55	26° 8	27°21	23°25	25° 4	16°30	16° 3	8° 7	17° 8	0°26	28°53	18° 9	n.a.	F 12
S 13	3 6 1	15°58'06	18°42	27°31	28°32	24° 9	25°17	16°25	16° 1	8° 5	17° 9	0°27	28°50	18°16	n.a.	S 13
S 14	3 9 58	16°59'17	0♈32	28°55	29°42	24°53	25°30	16°20	15°59	8° 3	17° 9	0°R28	28°47	18°22	n.a.	S 14
M15	3 13 55	18° 0'29	12°28	0♏20	0♑53	25°37	25°43	16°15	15°57	8° 2	17° 9	0°27	28°44	18°29	n.a.	M15
T 16	3 17 51	19° 1'41	24°35	1°46	2° 4	26°21	25°56	16°10	15°55	8° 0	17° 9	0°24	28°41	18°36	n.a.	T 16
W17	3 21 48	20° 2'54	6♉54	3°12	3°14	27° 5	26° 9	16° 5	15°53	7°58	17° 9	0°19	28°37	18°42	n.a.	W17
T 18	3 25 44	21° 4'07	19°28	4°40	4°24	27°49	26°22	16° 0	15°51	7°57	17°10	0°11	28°34	18°49	n.a.	T 18
F 19	3 29 41	22° 5'20	2♊16	6° 7	5°35	28°33	26°34	15°55	15°49	7°55	17°10	0° 2	28°31	18°56	n.a.	F 19
S 20	3 33 37	23° 6'34	15°19	7°36	6°45	29°17	26°47	15°50	15°47	7°53	17°10	29♓52	28°28	19° 2	n.a.	S 20
S 21	3 37 34	24° 7'48	28°34	9° 5	7°55	0♒ 2	27° 0	15°45	15°45	7°52	17°11	29°42	28°25	19° 9	n.a.	S 21
M22	3 41 30	25° 9'03	12♋ 1	10°34	9° 4	0°46	27°13	15°40	15°44	7°50	17°11	29°34	28°21	19°15	n.a.	M22
T 23	3 45 27	26°10'18	25°39	12° 4	10°14	1°30	27°25	15°35	15°42	7°48	17°11	29°27	28°18	19°22	n.a.	T 23
W24	3 49 24	27°11'34	9♌25	13°34	11°24	2°14	27°38	15°31	15°40	7°47	17°12	29°24	28°15	19°29	n.a.	W24
T 25	3 53 20	28°12'50	23°19	15° 5	12°33	2°58	27°50	15°26	15°38	7°45	17°12	29°D22	28°12	19°35	n.a.	T 25
F 26	3 57 17	29°14'07	7♍22	16°36	13°42	3°42	28° 3	15°21	15°37	7°44	17°13	29°22	28° 9	19°42	n.a.	F 26
S 27	4 1 13	0♐15'24	21°31	18° 7	14°52	4°26	28°15	15°16	15°35	7°42	17°13	29°23	28° 6	19°49	n.a.	S 27
S 28	4 5 10	1°16'41	5♎47	19°39	16° 1	5°10	28°27	15°11	15°34	7°41	17°14	29°R23	28° 2	19°55	n.a.	S 28
M29	4 9 6	2°17'58	20° 7	21°10	17° 9	5°54	28°40	15° 7	15°32	7°39	17°14	29°21	27°59	20° 2	n.a.	M29
T 30	4 13 3	3♐19'16	4♏28	22♏43	18♑18	6♒38	28♎52	15♉ 2	15♈31	7♉38	17♒15	29♓17	27♓56	20♓ 9	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	12s56	5s10	0s54	3s 6	2n31	25s 0	2s13	24s35	1s44	8s 0	1n 0	15n14	2s 5	6n 1	0s34	12n42	1s54	30s18	15s13	0n24	0s13	6s15		n.a.
T 2	13 16	12 3	2 11	3 26	2 30	25 10	2 14	24 28	1 43	8 5	1 0	15 13	2 5	6 0	0 34	12 42	1 54	30 18	15 12	0 23	0 14	6 12		n.a.
W 3	13 37	18 13	3 18	3 50	2 28	25 19	2 15	24 22	1 42	8 10	1 0	15 12	2 5	6 0	0 34	12 41	1 54	30 17	15 12	0 22	0 15	6 8		n.a.
T 4	13 57	23 15	4 12	4 16	2 25	25 27	2 16	24 15	1 41	8 14	1 0	15 10	2 5	5 59	0 34	12 40	1 54	30 17	15 12	0 20	0 17	6 5		n.a.
F 5	14 18	26 48	4 48	4 44	2 21	25 34	2 18	24 8	1 40	8 19	1 0	15 9	2 5	5 58	0 34	12 40	1 54	30 17	15 11	0 17	0 18	6 2		n.a.
S 6	14 38	28 39	5 8	5 14	2 17	25 41	2 18	24 1	1 39	8 24	1 0	15 8	2 5	5 57	0 34	12 39	1 54	30 16	15 11	0 15	0 19	5 58		n.a.
S 7	14 57	28 47	5 9	5 45	2 12	25 47	2 19	23 53	1 38	8 29	1 0	15 6	2 5	5 56	0 34	12 39	1 54	30 16	15 11	0 13	0 20	5 55		n.a.
M 8	15 17	27 19	4 56	6 18	2 6	25 52	2 20	23 46	1 37	8 34	1 0	15 5	2 5	5 55	0 34	12 38	1 54	30 16	15 10	0 11	0 22	5 51		n.a.
T 9	15 36	24 33	4 28	6 52	2 1	25 57	2 21	23 38	1 36	8 39	1 0	15 4	2 5	5 54	0 34	12 38	1 54	30 16	15 10	0 10	0 23	5 48		n.a.
W10	15 55	20 44	3 49	7 27	1 55	26 0	2 21	23 30	1 35	8 44	1 0	15 2	2 5	5 54	0 34	12 37	1 54	30 15	15 10	0 10	0 24	5 44		n.a.
T 11	16 13	16 9	3 0	8 2	1 49	26 3	2 22	23 21	1 34	8 49	1 0	15 1	2 5	5 53	0 34	12 37	1 54	30 15	15 9	0 10	0 26	5 41		n.a.
F 12	16 32	11 0	2 4	8 38	1 42	26 6	2 22	23 13	1 33	8 54	1 0	14 59	2 5	5 52	0 34	12 36	1 54	30 14	15 9	0 10	0 27	5 38		n.a.
S 13	16 50	5 30	1 3	9 14	1 35	26 7	2 23	23 4	1 32	8 58	1 0	14 58	2 5	5 51	0 34	12 36	1 54	30 14	15 9	0 11	0 28	5 34		n.a.
S 14	17 8	0n13	0n 0	9 51	1 29	26 8	2 23	22 55	1 31	9 3	1 0	14 57	2 5	5 50	0 34	12 35	1 54	30 14	15 8	0 11	0 29	5 31		n.a.
M15	17 25	5 59	1 4	10 28	1 22	26 8	2 23	22 46	1 30	9 8	1 0	14 55	2 5	5 50	0 34	12 34	1 54	30 13	15 8	0 11	0 31	5 27		n.a.
T 16	17 42	11 36	2 6	11 4	1 15	26 7	2 23	22 36	1 29	9 13	1 0	14 54	2 5	5 49	0 34	12 34	1 54	30 13	15 8	0 10	0 32	5 24		n.a.
W17	17 59	16 53	3 3	11 41	1 7	26 5	2 23	22 26	1 28	9 17	1 0	14 53	2 4	5 48	0 34	12 33	1 54	30 13	15 7	0 8	0 33	5 20		n.a.
T 18	18 15	21 33	3 53	12 18	1 0	26 3	2 22	22 17	1 27	9 22	1 0	14 51	2 4	5 47	0 34	12 33	1 54	30 12	15 7	0 4	0 35	5 17		n.a.
F 19	18 32	25 18	4 31	12 54	0 53	26 0	2 22	22 7	1 25	9 27	1 0	14 50	2 4	5 47	0 34	12 32	1 54	30 12	15 7	0 1	0 36	5 14		n.a.
S 20	18 47	27 50	4 56	13 30	0 46	25 56	2 22	21 56	1 24	9 31	1 0	14 49	2 4	5 46	0 34	12 32	1 53	30 11	15 6	0s 3	0 37	5 10		n.a.
S 21	19 3	28 50	5 5	14 6	0 39	25 51	2 21	21 46	1 23	9 36	1 0	14 47	2 4	5 45	0 34	12 31	1 53	30 11	15 6	0 7	0 38	5 7		n.a.
M22	19 18	28 9	4 58	14 41	0 31	25 46	2 20	21 35	1 22	9 41	1 0	14 46	2 4	5 45	0 34	12 31	1 53	30 11	15 6	0 11	0 40	5 3		n.a.
T 23	19 33	25 47	4 34	15 16	0 24	25 40	2 20	21 24	1 21	9 45	1 0	14 45	2 4	5 44	0 34	12 30	1 53	30 10	15 5	0 13	0 41	5 0		n.a.
W24	19 47	21 53	3 55	15 51	0 17	25 33	2 19	21 13	1 20	9 50	1 0	14 43	2 4	5 43	0 34	12 30	1 53	30 10	15 5	0 15	0 42	4 56		n.a.
T 25	20 1	16 45	3 0	16 25	0 10	25 26	2 18	21 2	1 19	9 54	1 0	14 42	2 4	5 43	0 34	12 29	1 53	30 9	15 5	0 15	0 44	4 53		n.a.
F 26	20 15	10 42	1 55	16 58	0 3	25 18	2 16	20 51	1 18	9 59	1 0	14 41	2 3	5 42	0 34	12 29	1 53	30 9	15 4	0 15	0 45	4 49		n.a.
S 27	20 28	4 3	0 42	17 31	0s 4	25 9	2 15	20 39	1 17	10 3	1 0	14 40	2 3	5 42	0 34	12 28	1 53	30 8	15 4	0 15	0 46	4 46		n.a.
S 28	20 41	2s51	0s34	18 3	0 11	24 59	2 14	20 27	1 16	10 8	1 0	14 38	2 3	5 41	0 34	12 28	1 53	30 8	15 4	0 15	0 47	4 43		n.a.
M29	20 53	9 38	1 48	18 34	0 18	24 49	2 12	20 15	1 15	10 12	1 0	14 37	2 3	5 40	0 34	12 27	1 53	30 7	15 4	0 16	0 49	4 39		n.a.
T 30	21s 5	15s55	2s55	19s 5	0s24	24s38	2s10	20s 3	1s14	10s16	1n 0	14n36	2s 3	5n40	0s34	12n27	1s53	30s 7	15s 3	0s17	0s50	4s36		n.a.

Julian Day Number = 1570148.5, Delta T = 04h18m15s
Ecliptic obliquity = 23°44'53, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'31, Lahiri = - 9°40'30 Julian Calendar 1 Nov. 415 BCE == Greg. Calendar 27 Oct. 415 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 415 BCE
geocentric

DECEMBER 415 BCE (-414) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 17 0	4♐20'34	18♏44	24♏15	19♑27	7♒22	29♎ 4	14°R58	15°R29	7°R36	17♒16	29°R 9	27♓53	20♓15	n.a.	W 1
T 2	4 20 56	5°21'52	2♐51	25°48	20°35	8° 6	29°16	14♉53	15♈28	7♉35	17°16	29♓ 0	27°50	20°22	n.a.	T 2
F 3	4 24 53	6°23'10	16°43	27°22	21°43	8°50	29°28	14°48	15°27	7°33	17°17	28°48	27°47	20°29	n.a.	F 3
S 4	4 28 49	7°24'27	0♑16	28°55	22°51	9°34	29°40	14°44	15°25	7°32	17°17	28°36	27°43	20°35	n.a.	S 4
S 5	4 32 46	8°25'45	13°28	0♐29	23°59	10°18	29°52	14°40	15°24	7°30	17°18	28°25	27°40	20°42	n.a.	S 5
M 6	4 36 42	9°27'01	26°18	2° 3	25° 7	11° 2	0♏ 4	14°35	15°23	7°29	17°19	28°15	27°37	20°49	n.a.	M 6
T 7	4 40 39	10°28'18	8♒47	3°38	26°14	11°46	0°16	14°31	15°22	7°28	17°20	28° 8	27°34	20°55	n.a.	T 7
W 8	4 44 35	11°29'33	20°58	5°13	27°21	12°30	0°28	14°27	15°21	7°26	17°20	28° 4	27°31	21° 2	n.a.	W 8
T 9	4 48 32	12°30'48	2♓56	6°49	28°28	13°14	0°39	14°23	15°20	7°25	17°21	28° 2	27°27	21° 8	n.a.	T 9
F 10	4 52 29	13°32'02	14°46	8°25	29°35	13°58	0°51	14°19	15°19	7°24	17°22	28°D 1	27°24	21°15	n.a.	F 10
S 11	4 56 25	14°33'16	26°34	10° 1	0♒41	14°42	1° 2	14°15	15°18	7°22	17°23	28°R 1	27°21	21°22	n.a.	S 11
S 12	5 0 22	15°34'28	8♈24	11°38	1°48	15°26	1°14	14°11	15°17	7°21	17°24	28° 1	27°18	21°28	n.a.	S 12
M13	5 4 18	16°35'40	20°22	13°15	2°54	16°10	1°25	14° 7	15°16	7°20	17°24	27°59	27°15	21°35	n.a.	M13
T 14	5 8 15	17°36'51	2♉34	14°53	4° 0	16°54	1°36	14° 3	15°15	7°18	17°25	27°55	27°12	21°42	n.a.	T 14
W15	5 12 11	18°38'02	15° 2	16°31	5° 5	17°38	1°47	14° 0	15°14	7°17	17°26	27°47	27° 8	21°48	n.a.	W15
T 16	5 16 8	19°39'11	27°50	18°10	6°10	18°21	1°59	13°56	15°14	7°16	17°27	27°37	27° 5	21°55	n.a.	T 16
F 17	5 20 5	20°40'20	10♊57	19°50	7°15	19° 5	2°10	13°53	15°13	7°15	17°28	27°25	27° 2	22° 2	n.a.	F 17
S 18	5 24 1	21°41'28	24°22	21°30	8°20	19°49	2°20	13°49	15°12	7°14	17°29	27°12	26°59	22° 8	n.a.	S 18
S 19	5 27 58	22°42'35	8♋ 4	23°10	9°24	20°33	2°31	13°46	15°12	7°13	17°30	26°59	26°56	22°15	n.a.	S 19
M20	5 31 54	23°43'42	21°58	24°51	10°28	21°16	2°42	13°43	15°11	7°12	17°31	26°47	26°53	22°22	n.a.	M20
T 21	5 35 51	24°44'47	6♌ 0	26°33	11°32	22° 0	2°53	13°40	15°11	7°11	17°32	26°38	26°49	22°28	n.a.	T 21
W22	5 39 47	25°45'52	20° 6	28°15	12°35	22°44	3° 3	13°37	15°10	7°10	17°33	26°32	26°46	22°35	n.a.	W22
T 23	5 43 44	26°46'57	4♍14	29°57	13°38	23°27	3°14	13°34	15°10	7° 9	17°34	26°29	26°43	22°42	n.a.	T 23
F 24	5 47 40	27°48'00	18°20	1♑41	14°41	24°11	3°24	13°31	15°10	7° 8	17°35	26°28	26°40	22°48	n.a.	F 24
S 25	5 51 37	28°49'03	2♎25	3°24	15°43	24°55	3°34	13°28	15° 9	7° 7	17°36	26°28	26°37	22°55	n.a.	S 25
S 26	5 55 34	29°50'05	16°27	5° 9	16°45	25°38	3°45	13°25	15° 9	7° 6	17°37	26°27	26°33	23° 1	n.a.	S 26
M27	5 59 30	0♑51'07	0♏26	6°53	17°47	26°22	3°55	13°23	15° 9	7° 5	17°39	26°25	26°30	23° 8	n.a.	M27
T 28	6 3 27	1°52'07	14°21	8°39	18°48	27° 5	4° 5	13°20	15° 9	7° 4	17°40	26°20	26°27	23°15	n.a.	T 28
W29	6 7 23	2°53'07	28° 9	10°24	19°49	27°49	4°15	13°18	15°D 9	7° 3	17°41	26°12	26°24	23°21	n.a.	W29
T 30	6 11 20	3°54'06	11♐50	12°10	20°49	28°32	4°24	13°16	15° 9	7° 3	17°42	26° 1	26°21	23°28	n.a.	T 30
F 31	6 15 16	4♑55'04	25♐18	13♑56	21♒49	29♒16	4♏34	13♉14	15♈ 9	7♉ 2	17♒43	25♓48	26♓18	23♓35	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21s17	21s19	3s51	19s34	0s31	24s26	2s 9	19s51	1s13	10s21	1n 0	14n35	2s 3	5n39	0s34	12n27	1s53	30s 6	15s 3	0s20	0s51	4s32		n.a.
T 2	21 28	25 26	4 32	20 3	0 37	24 14	2 7	19 38	1 12	10 25	1 0	14 34	2 2	5 39	0 34	12 26	1 53	30 6	15 3	0 24	0 52	4 29		n.a.
F 3	21 39	27 59	4 56	20 32	0 43	24 1	2 5	19 25	1 11	10 29	1 0	14 32	2 2	5 38	0 34	12 26	1 53	30 5	15 2	0 29	0 54	4 25		n.a.
S 4	21 50	28 47	5 2	20 59	0 49	23 48	2 2	19 13	1 10	10 34	1 0	14 31	2 2	5 38	0 34	12 25	1 53	30 5	15 2	0 34	0 55	4 22		n.a.
S 5	22 0	27 54	4 52	21 25	0 55	23 34	2 0	19 0	1 9	10 38	1 0	14 30	2 2	5 37	0 34	12 25	1 53	30 4	15 2	0 38	0 56	4 18		n.a.
M 6	22 9	25 32	4 27	21 50	1 1	23 19	1 58	18 46	1 8	10 42	1 0	14 29	2 2	5 37	0 34	12 24	1 53	30 4	15 1	0 42	0 58	4 15		n.a.
T 7	22 18	22 0	3 50	22 14	1 7	23 4	1 55	18 33	1 7	10 46	1 1	14 28	2 2	5 37	0 34	12 24	1 53	30 3	15 1	0 45	0 59	4 11		n.a.
W 8	22 27	17 35	3 3	22 38	1 12	22 48	1 52	18 20	1 6	10 50	1 1	14 27	2 1	5 36	0 34	12 24	1 53	30 3	15 1	0 47	1 0	4 8		n.a.
T 9	22 35	12 34	2 9	23 0	1 17	22 31	1 50	18 6	1 5	10 54	1 1	14 26	2 1	5 36	0 34	12 23	1 53	30 2	15 0	0 48	1 1	4 5		n.a.
F 10	22 43	7 9	1 10	23 21	1 22	22 14	1 47	17 52	1 4	10 58	1 1	14 25	2 1	5 35	0 34	12 23	1 53	30 2	15 0	0 48	1 3	4 1		n.a.
S 11	22 50	1 30	0 8	23 40	1 27	21 57	1 43	17 38	1 3	11 2	1 1	14 24	2 1	5 35	0 33	12 22	1 53	30 1	15 0	0 48	1 4	3 58		n.a.
S 12	22 57	4n13	0n55	23 59	1 31	21 39	1 40	17 24	1 2	11 6	1 1	14 23	2 1	5 35	0 33	12 22	1 53	30 1	15 0	0 48	1 5	3 54		n.a.
M13	23 4	9 50	1 56	24 16	1 36	21 20	1 37	17 10	1 1	11 10	1 1	14 22	2 0	5 34	0 33	12 22	1 53	30 0	14 59	0 49	1 7	3 51		n.a.
T 14	23 10	15 12	2 52	24 32	1 40	21 1	1 33	16 56	1 0	11 14	1 1	14 21	2 0	5 34	0 33	12 21	1 53	30 0	14 59	0 51	1 8	3 47		n.a.
W15	23 15	20 5	3 42	24 46	1 43	20 41	1 30	16 41	0 59	11 18	1 1	14 20	2 0	5 34	0 33	12 21	1 53	29 59	14 59	0 53	1 9	3 44		n.a.
T 16	23 20	24 10	4 21	24 59	1 47	20 21	1 26	16 26	0 58	11 22	1 1	14 19	2 0	5 34	0 33	12 21	1 53	29 58	14 59	0 58	1 10	3 40		n.a.
F 17	23 25	27 7	4 48	25 11	1 50	20 1	1 22	16 12	0 57	11 25	1 1	14 19	1 59	5 33	0 33	12 20	1 52	29 58	14 58	1 2	1 12	3 37		n.a.
S 18	23 29	28 37	5 0	25 21	1 53	19 40	1 18	15 57	0 56	11 29	1 1	14 18	1 59	5 33	0 33	12 20	1 52	29 57	14 58	1 8	1 13	3 33		n.a.
S 19	23 33	28 24	4 55	25 29	1 55	19 19	1 14	15 42	0 55	11 33	1 1	14 17	1 59	5 33	0 33	12 20	1 52	29 57	14 58	1 13	1 14	3 30		n.a.
M20	23 36	26 24	4 32	25 36	1 57	18 57	1 9	15 27	0 54	11 37	1 1	14 16	1 59	5 33	0 33	12 19	1 52	29 56	14 57	1 18	1 15	3 26		n.a.
T 21	23 39	22 46	3 53	25 41	1 59	18 35	1 5	15 12	0 53	11 40	1 1	14 16	1 58	5 33	0 33	12 19	1 52	29 56	14 57	1 21	1 17	3 23		n.a.
W22	23 41	17 48	2 59	25 45	2 1	18 12	1 0	14 56	0 52	11 44	1 1	14 15	1 58	5 33	0 33	12 19	1 52	29 55	14 57	1 24	1 18	3 20		n.a.
T 23	23 42	11 52	1 55	25 46	2 2	17 50	0 55	14 41	0 51	11 47	1 1	14 14	1 58	5 32	0 33	12 19	1 52	29 54	14 57	1 25	1 19	3 16		n.a.
F 24	23 44	5 19	0 43	25 46	2 2	17 26	0 50	14 25	0 50	11 51	1 1	14 14	1 58	5 32	0 33	12 18	1 52	29 54	14 56	1 25	1 21	3 13		n.a.
S 25	23 45	1s27	0s31	25 44	2 2	17 3	0 45	14 10	0 49	11 54	1 2	14 13	1 58	5 32	0 33	12 18	1 52	29 53	14 56	1 25	1 22	3 9		n.a.
S 26	23 45	8 8	1 44	25 41	2 2	16 39	0 40	13 54	0 48	11 58	1 2	14 12	1 57	5 32	0 33	12 18	1 52	29 53	14 56	1 26	1 23	3 6		n.a.
M27	23 45	14 24	2 49	25 35	2 1	16 15	0 35	13 38	0 47	12 1	1 2	14 12	1 57	5 32	0 33	12 18	1 52	29 52	14 56	1 27	1 24	3 2		n.a.
T 28	23 44	19 55	3 44	25 27	2 0	15 51	0 29	13 22	0 47	12 4	1 2	14 11	1 57	5 32	0 33	12 17	1 52	29 51	14 56	1 29	1 26	2 59		n.a.
W29	23 43	24 19	4 26	25 17	1 58	15 26	0 24	13 6	0 46	12 8	1 2	14 11	1 57	5 32	0 33	12 17	1 52	29 51	14 55	1 32	1 27	2 55		n.a.
T 30	23 41	27 18	4 51	25 6	1 55	15 1	0 18	12 50	0 45	12 11	1 2	14 10	1 56	5 32	0 33	12 17	1 52	29 50	14 55	1 36	1 28	2 52		n.a.
F 31	23s39	28s40	5s 0	24s52	1s52	14s36	0s12	12s34	0s44	12s14	1n 2	14n10	1s56	5n32	0s33	12n17	1s52	29s50	14s55	1s41	1s30	2s48		n.a.

Julian Day Number = 1570178.5, Delta T = 04h18m14s
Ecliptic obliquity = 23°44'52, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'27, Lahiri = - 9°40'26 Julian Calendar 1 Dec. 415 BCE == Greg. Calendar 26 Nov. 415 BCE

The year -414 astronomical counting style corresponds to year 415 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

JANUARY 414 BCE (-413) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 19 13	5♉56'00	8♉33	15♉42	22♒48	29♒59	4♏43	13°R11	15♈ 9	7°R 1	17♒44	25°R34	26♓14	23♓41	n.a.	S 1
S 2	6 23 10	6°56'55	21°31	17°28	23°47	0♓42	4°53	13♉10	15° 9	7♉ 0	17°46	25♓22	26°11	23°48	n.a.	S 2
M 3	6 27 6	7°57'49	4♒12	19°13	24°45	1°26	5° 2	13° 8	15°10	7° 0	17°47	25°10	26° 8	23°55	n.a.	M 3
T 4	6 31 3	8°58'41	16°36	20°59	25°43	2° 9	5°11	13° 6	15°10	6°59	17°48	25° 2	26° 5	24° 1	n.a.	T 4
W 5	6 34 59	9°59'32	28°45	22°43	26°41	2°52	5°21	13° 4	15°10	6°58	17°49	24°56	26° 2	24° 8	n.a.	W 5
T 6	6 38 56	11° 0'21	10♓42	24°27	27°37	3°36	5°29	13° 3	15°11	6°58	17°51	24°53	25°59	24°15	n.a.	T 6
F 7	6 42 52	12° 1'09	22°32	26° 9	28°34	4°19	5°38	13° 1	15°11	6°57	17°52	24°D52	25°55	24°21	n.a.	F 7
S 8	6 46 49	13° 1'54	4♈19	27°50	29°29	5° 2	5°47	13° 0	15°12	6°57	17°53	24°52	25°52	24°28	n.a.	S 8
S 9	6 50 45	14° 2'38	16° 9	29°28	0♓24	5°45	5°56	12°59	15°12	6°56	17°55	24°R53	25°49	24°35	n.a.	S 9
M10	6 54 42	15° 3'21	28° 7	1♒ 4	1°19	6°29	6° 4	12°58	15°13	6°56	17°56	24°52	25°46	24°41	n.a.	M10
T 11	6 58 38	16° 4'01	10♉20	2°37	2°12	7°12	6°12	12°57	15°13	6°56	17°57	24°49	25°43	24°48	n.a.	T 11
W12	7 2 35	17° 4'40	22°50	4° 6	3° 5	7°55	6°21	12°56	15°14	6°55	17°59	24°44	25°39	24°54	n.a.	W12
T 13	7 6 32	18° 5'16	5♊43	5°31	3°57	8°38	6°29	12°56	15°15	6°55	18° 0	24°36	25°36	25° 1	n.a.	T 13
F 14	7 10 28	19° 5'51	19° 0	6°51	4°49	9°21	6°37	12°55	15°16	6°55	18° 1	24°26	25°33	25° 8	n.a.	F 14
S 15	7 14 25	20° 6'25	2♋40	8° 5	5°40	10° 4	6°44	12°54	15°16	6°54	18° 3	24°15	25°30	25°14	n.a.	S 15
S 16	7 18 21	21° 6'56	16°43	9°13	6°29	10°47	6°52	12°54	15°17	6°54	18° 4	24° 4	25°27	25°21	n.a.	S 16
M17	7 22 18	22° 7'26	1♌ 1	10°14	7°18	11°30	7° 0	12°54	15°18	6°54	18° 6	23°55	25°24	25°28	n.a.	M17
T 18	7 26 14	23° 7'54	15°31	11° 7	8° 7	12°12	7° 7	12°54	15°19	6°54	18° 7	23°47	25°20	25°34	n.a.	T 18
W19	7 30 11	24° 8'20	0♍ 5	11°52	8°54	12°55	7°14	12°D54	15°20	6°54	18° 9	23°42	25°17	25°41	n.a.	W19
T 20	7 34 8	25° 8'45	14°36	12°28	9°40	13°38	7°22	12°54	15°21	6°54	18°10	23°40	25°14	25°48	n.a.	T 20
F 21	7 38 4	26° 9'08	29° 1	12°54	10°25	14°21	7°29	12°54	15°23	6°53	18°11	23°D40	25°11	25°54	n.a.	F 21
S 22	7 42 1	27° 9'30	13♎17	13°11	11°10	15° 3	7°35	12°54	15°24	6°D53	18°13	23°41	25° 8	26° 1	n.a.	S 22
S 23	7 45 57	28° 9'50	27°20	13°R18	11°53	15°46	7°42	12°55	15°25	6°53	18°14	23°R41	25° 5	26° 8	n.a.	S 23
M24	7 49 54	29°10'09	11♏12	13°14	12°35	16°29	7°49	12°55	15°26	6°53	18°16	23°41	25° 1	26°14	n.a.	M24
T 25	7 53 50	0♒10'26	24°52	13° 2	13°16	17°11	7°55	12°56	15°28	6°54	18°17	23°38	24°58	26°21	n.a.	T 25
W26	7 57 47	1°10'41	8♐20	12°39	13°56	17°54	8° 1	12°57	15°29	6°54	18°19	23°33	24°55	26°28	n.a.	W26
T 27	8 1 43	2°10'55	21°36	12° 8	14°35	18°37	8° 7	12°58	15°31	6°54	18°20	23°26	24°52	26°34	n.a.	T 27
F 28	8 5 40	3°11'07	4♑40	11°29	15°12	19°19	8°13	12°59	15°32	6°54	18°22	23°17	24°49	26°41	n.a.	F 28
S 29	8 9 37	4°11'18	17°31	10°43	15°48	20° 2	8°19	13° 0	15°34	6°54	18°23	23° 8	24°45	26°47	n.a.	S 29
S 30	8 13 33	5°11'26	0♒10	9°51	16°23	20°44	8°25	13° 1	15°35	6°54	18°25	22°59	24°42	26°54	n.a.	S 30
M31	8 17 30	6♒11'33	12♒35	8♒54	16♓56	21♓26	8♏30	13♉ 2	15♈37	6♉55	18♒27	22♓51	24♓39	27♓ 1	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s37	28s20	4s53	24s36	1s49	14s11	0s 6	12s17	0s43	12s17	1n 2	14n10	1s56	5n32	0s33	12n17	1s52	29s49	14s55	1s47	1s31	2s45		n.a.
S 2	23 34	26 27	4 30	24 19	1 44	13 46	0n 0	12 1	0 42	12 20	1 2	14 9	1 55	5 33	0 33	12 16	1 52	29 48	14 54	1 52	1 32	2 41		n.a.
M 3	23 30	23 15	3 54	23 59	1 39	13 20	0 7	11 44	0 41	12 24	1 2	14 9	1 55	5 33	0 33	12 16	1 51	29 48	14 54	1 57	1 33	2 38		n.a.
T 4	23 26	19 3	3 8	23 37	1 33	12 54	0 13	11 28	0 40	12 27	1 2	14 9	1 55	5 33	0 33	12 16	1 51	29 47	14 54	2 0	1 35	2 34		n.a.
W 5	23 22	14 9	2 14	23 14	1 27	12 28	0 20	11 11	0 39	12 30	1 2	14 9	1 55	5 33	0 33	12 16	1 51	29 47	14 54	2 2	1 36	2 31		n.a.
T 6	23 17	8 48	1 15	22 49	1 20	12 2	0 27	10 54	0 38	12 32	1 2	14 8	1 54	5 33	0 33	12 16	1 51	29 46	14 54	2 3	1 37	2 27		n.a.
F 7	23 12	3 11	0 12	22 22	1 11	11 36	0 33	10 38	0 37	12 35	1 3	14 8	1 54	5 33	0 33	12 16	1 51	29 45	14 54	2 4	1 38	2 24		n.a.
S 8	23 6	2n30	0n50	21 53	1 3	11 10	0 41	10 21	0 36	12 38	1 3	14 8	1 54	5 34	0 33	12 16	1 51	29 45	14 53	2 4	1 40	2 21		n.a.
S 9	23 0	8 8	1 51	21 23	0 53	10 44	0 48	10 4	0 35	12 41	1 3	14 8	1 54	5 34	0 32	12 15	1 51	29 44	14 53	2 4	1 41	2 17		n.a.
M10	22 53	13 32	2 47	20 52	0 42	10 17	0 55	9 47	0 35	12 44	1 3	14 8	1 53	5 34	0 32	12 15	1 51	29 44	14 53	2 4	1 42	2 14		n.a.
T 11	22 46	18 32	3 37	20 20	0 31	9 51	1 3	9 30	0 34	12 46	1 3	14 8	1 53	5 34	0 32	12 15	1 51	29 43	14 53	2 5	1 44	2 10		n.a.
W12	22 38	22 52	4 18	19 47	0 19	9 25	1 10	9 13	0 33	12 49	1 3	14 8	1 53	5 35	0 32	12 15	1 51	29 42	14 53	2 7	1 45	2 7		n.a.
T 13	22 30	26 15	4 47	19 14	0 6	8 59	1 18	8 56	0 32	12 52	1 3	14 8	1 52	5 35	0 32	12 15	1 51	29 42	14 53	2 10	1 46	2 3		n.a.
F 14	22 22	28 18	5 2	18 41	0n 8	8 32	1 26	8 39	0 31	12 54	1 3	14 8	1 52	5 35	0 32	12 15	1 51	29 41	14 52	2 14	1 47	2 0		n.a.
S 15	22 13	28 43	5 0	18 8	0 22	8 6	1 34	8 21	0 30	12 57	1 3	14 8	1 52	5 36	0 32	12 15	1 51	29 41	14 52	2 19	1 49	1 56		n.a.
S 16	22 4	27 19	4 40	17 35	0 37	7 40	1 42	8 4	0 29	12 59	1 3	14 8	1 52	5 36	0 32	12 15	1 51	29 40	14 52	2 23	1 50	1 53		n.a.
M17	21 54	24 8	4 3	17 4	0 52	7 14	1 50	7 47	0 28	13 1	1 4	14 9	1 51	5 36	0 32	12 15	1 51	29 39	14 52	2 27	1 51	1 49		n.a.
T 18	21 44	19 24	3 9	16 34	1 8	6 48	1 59	7 30	0 28	13 4	1 4	14 9	1 51	5 37	0 32	12 15	1 51	29 39	14 52	2 30	1 52	1 46		n.a.
W19	21 34	13 30	2 3	16 6	1 24	6 22	2 7	7 12	0 27	13 6	1 4	14 9	1 51	5 37	0 32	12 15	1 50	29 38	14 52	2 32	1 54	1 42		n.a.
T 20	21 23	6 53	0 48	15 40	1 41	5 57	2 16	6 55	0 26	13 8	1 4	14 9	1 50	5 38	0 32	12 15	1 50	29 38	14 52	2 33	1 55	1 39		n.a.
F 21	21 11	0s 3	0s29	15 17	1 57	5 31	2 25	6 37	0 25	13 11	1 4	14 10	1 50	5 38	0 32	12 15	1 50	29 37	14 51	2 33	1 56	1 35		n.a.
S 22	21 0	6 53	1 43	14 57	2 13	5 6	2 34	6 20	0 24	13 13	1 4	14 10	1 50	5 39	0 32	12 15	1 50	29 36	14 51	2 32	1 58	1 32		n.a.
S 23	20 48	13 18	2 50	14 40	2 29	4 41	2 43	6 2	0 23	13 15	1 4	14 10	1 50	5 39	0 32	12 15	1 50	29 36	14 51	2 32	1 59	1 28		n.a.
M24	20 35	18 58	3 47	14 27	2 43	4 17	2 52	5 45	0 22	13 17	1 4	14 11	1 49	5 40	0 32	12 15	1 50	29 35	14 51	2 33	2 0	1 25		n.a.
T 25	20 22	23 34	4 29	14 17	2 57	3 52	3 1	5 27	0 22	13 19	1 4	14 11	1 49	5 40	0 32	12 16	1 50	29 35	14 51	2 34	2 1	1 21		n.a.
W26	20 9	26 51	4 56	14 11	3 10	3 28	3 11	5 10	0 21	13 21	1 5	14 12	1 49	5 41	0 32	12 16	1 50	29 34	14 51	2 36	2 3	1 18		n.a.
T 27	19 56	28 34	5 6	14 9	3 22	3 4	3 20	4 52	0 20	13 23	1 5	14 12	1 49	5 42	0 32	12 16	1 50	29 34	14 51	2 39	2 4	1 14		n.a.
F 28	19 42	28 40	5 1	14 10	3 32	2 41	3 30	4 34	0 19	13 24	1 5	14 13	1 48	5 42	0 32	12 16	1 50	29 33	14 51	2 42	2 5	1 11		n.a.
S 29	19 28	27 12	4 40	14 15	3 40	2 18	3 40	4 17	0 18	13 26	1 5	14 14	1 48	5 43	0 32	12 16	1 50	29 32	14 51	2 46	2 7	1 7		n.a.
S 30	19 13	24 22	4 5	14 23	3 46	1 56	3 49	3 59	0 18	13 28	1 5	14 14	1 48	5 43	0 32	12 16	1 50	29 32	14 51	2 49	2 8	1 4		n.a.
M31	18s58	20s26	3s19	14s34	3n50	1s33	3n59	3s41	0s17	13s30	1n 5	14n15	1s47	5n44	0s32	12n16	1s50	29s31	14s51	2s52	2s 9	1s 0		n.a.

Julian Day Number = 1570209.5, Delta T = 04h18m13s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'22, Lahiri = - 9°40'22 Julian Calendar 1 Jan. 414 BCE == Greg. Calendar 27 Dec. 415 BCE

The year -413 astronomical counting style corresponds to year 414 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

FEBRUARY 414 BCE (-413) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 21 26	7♒11'37	24♒49	7°R55	17♓28	22♓ 9	8♏35	13♉ 4	15♈39	6♉55	18♒28	22°R45	24♓36	27♓ 7	n.a.	T 1
W 2	8 25 23	8°11'39	6♓51	6♒53	17°58	22°51	8°41	13° 5	15°40	6°55	18°30	22♓41	24°33	27°14	n.a.	W 2
T 3	8 29 19	9°11'39	18°45	5°52	18°26	23°33	8°45	13° 7	15°42	6°56	18°31	22°D40	24°30	27°21	n.a.	T 3
F 4	8 33 16	10°11'37	0♈33	4°52	18°53	24°16	8°50	13° 9	15°44	6°56	18°33	22°40	24°26	27°27	n.a.	F 4
S 5	8 37 12	11°11'32	12°20	3°54	19°18	24°58	8°55	13°11	15°46	6°57	18°34	22°42	24°23	27°34	n.a.	S 5
S 6	8 41 9	12°11'26	24° 9	3° 0	19°42	25°40	8°59	13°13	15°48	6°57	18°36	22°43	24°20	27°41	n.a.	S 6
M 7	8 45 6	13°11'16	6♉ 7	2°10	20° 3	26°22	9° 4	13°15	15°50	6°58	18°37	22°44	24°17	27°47	n.a.	M 7
T 8	8 49 2	14°11'05	18°17	1°26	20°23	27° 4	9° 8	13°17	15°52	6°58	18°39	22°R45	24°14	27°54	n.a.	T 8
W 9	8 52 59	15°10'51	0♊45	0°47	20°41	27°47	9°12	13°19	15°54	6°59	18°40	22°43	24°11	28° 1	n.a.	W 9
T 10	8 56 55	16°10'35	13°36	0°14	20°56	28°29	9°15	13°22	15°56	7° 0	18°42	22°40	24° 7	28° 7	n.a.	T 10
F 11	9 0 52	17°10'17	26°52	29♋48	21°10	29°11	9°19	13°24	15°58	7° 0	18°44	22°36	24° 4	28°14	n.a.	F 11
S 12	9 4 48	18° 9'56	10♌36	29°28	21°21	29°53	9°23	13°27	16° 0	7° 1	18°45	22°31	24° 1	28°20	n.a.	S 12
S 13	9 8 45	19° 9'33	24°45	29°14	21°30	0♈34	9°26	13°30	16° 2	7° 2	18°47	22°26	23°58	28°27	n.a.	S 13
M14	9 12 41	20° 9'08	9♎17	29° 7	21°37	1°16	9°29	13°33	16° 4	7° 2	18°48	22°21	23°55	28°34	n.a.	M14
T 15	9 16 38	21° 8'41	24° 5	29°D 6	21°41	1°58	9°32	13°36	16° 7	7° 3	18°50	22°17	23°51	28°40	n.a.	T 15
W16	9 20 35	22° 8'11	9♏ 2	29°11	21°R43	2°40	9°34	13°39	16° 9	7° 4	18°51	22°15	23°48	28°47	n.a.	W16
T 17	9 24 31	23° 7'39	23°59	29°21	21°43	3°22	9°37	13°42	16°11	7° 5	18°53	22°D15	23°45	28°54	n.a.	T 17
F 18	9 28 28	24° 7'05	8♐48	29°37	21°40	4° 3	9°39	13°45	16°14	7° 6	18°54	22°15	23°42	29° 0	n.a.	F 18
S 19	9 32 24	25° 6'29	23°24	29°58	21°34	4°45	9°42	13°48	16°16	7° 7	18°56	22°17	23°39	29° 7	n.a.	S 19
S 20	9 36 21	26° 5'52	7♑41	0♒24	21°26	5°27	9°43	13°52	16°19	7° 8	18°58	22°18	23°36	29°14	n.a.	S 20
M21	9 40 17	27° 5'12	21°40	0°54	21°16	6° 8	9°45	13°55	16°21	7° 9	18°59	22°R19	23°32	29°20	n.a.	M21
T 22	9 44 14	28° 4'31	5♗18	1°29	21° 3	6°50	9°47	13°59	16°24	7°10	19° 1	22°19	23°29	29°27	n.a.	T 22
W23	9 48 10	29° 3'48	18°37	2° 8	20°48	7°31	9°48	14° 3	16°26	7°11	19° 2	22°18	23°26	29°34	n.a.	W23
T 24	9 52 7	0♓ 3'03	1♋39	2°50	20°30	8°13	9°50	14° 7	16°29	7°12	19° 4	22°15	23°23	29°40	n.a.	T 24
F 25	9 56 3	1° 2'16	14°25	3°36	20°10	8°54	9°51	14°11	16°31	7°13	19° 5	22°12	23°20	29°47	n.a.	F 25
S 26	10 0 0	2° 1'28	26°58	4°26	19°48	9°36	9°52	14°15	16°34	7°14	19° 7	22° 9	23°17	29°54	n.a.	S 26
S 27	10 3 57	3° 0'37	9♒18	5°19	19°23	10°17	9°52	14°19	16°37	7°15	19° 8	22° 6	23°13	0♈ 0	n.a.	S 27
M28	10 7 53	3♓59'44	21♒28	6♒15	18♓57	10♈59	9♏53	14♉23	16♈40	7♉16	19♒10	22♓ 3	23♓10	0♈ 7	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s43	15s41	2s25	14s48	3n52	1s12	4n 9	3s24	0s16	13s31	1n 5	14n16	1s47	5n45	0s32	12n17	1s50	29s31	14s51	2s55	2s10	0s57		n.a.
W 2	18 27	10 25	1 25	15 4	3 51	0 51	4 19	3 6	0 15	13 33	1 5	14 16	1 47	5 46	0 32	12 17	1 49	29 30	14 51	2 56	2 12	0 54		n.a.
T 3	18 11	4 50	0 21	15 21	3 49	0 30	4 30	2 48	0 14	13 34	1 5	14 17	1 47	5 46	0 32	12 17	1 49	29 30	14 51	2 57	2 13	0 50		n.a.
F 4	17 55	0n53	0n43	15 40	3 44	0 10	4 40	2 31	0 14	13 36	1 6	14 18	1 46	5 47	0 32	12 17	1 49	29 29	14 51	2 57	2 14	0 47		n.a.
S 5	17 38	6 32	1 45	16 0	3 38	0n 9	4 50	2 13	0 13	13 37	1 6	14 19	1 46	5 48	0 32	12 17	1 49	29 29	14 51	2 56	2 15	0 43		n.a.
S 6	17 22	12 0	2 43	16 20	3 30	0 28	5 0	1 55	0 12	13 38	1 6	14 20	1 46	5 49	0 32	12 18	1 49	29 28	14 50	2 56	2 17	0 40		n.a.
M 7	17 4	17 6	3 34	16 40	3 21	0 46	5 11	1 38	0 11	13 40	1 6	14 21	1 45	5 49	0 32	12 18	1 49	29 27	14 50	2 55	2 18	0 36		n.a.
T 8	16 47	21 36	4 17	17 0	3 10	1 3	5 21	1 20	0 10	13 41	1 6	14 21	1 45	5 50	0 31	12 18	1 49	29 27	14 50	2 55	2 19	0 33		n.a.
W 9	16 29	25 17	4 49	17 20	2 59	1 20	5 31	1 3	0 10	13 42	1 6	14 22	1 45	5 51	0 31	12 18	1 49	29 26	14 50	2 55	2 21	0 29		n.a.
T 10	16 11	27 49	5 8	17 39	2 46	1 35	5 42	0 45	0 9	13 43	1 6	14 23	1 45	5 52	0 31	12 19	1 49	29 26	14 50	2 57	2 22	0 26		n.a.
F 11	15 53	28 53	5 11	17 58	2 33	1 50	5 52	0 27	0 8	13 44	1 6	14 24	1 44	5 53	0 31	12 19	1 49	29 25	14 50	2 58	2 23	0 22		n.a.
S 12	15 35	28 15	4 56	18 15	2 19	2 4	6 2	0 10	0 7	13 45	1 7	14 26	1 44	5 53	0 31	12 19	1 49	29 25	14 50	3 0	2 24	0 19		n.a.
S 13	15 16	25 46	4 24	18 32	2 5	2 16	6 12	0n 8	0 7	13 46	1 7	14 27	1 44	5 54	0 31	12 19	1 49	29 24	14 50	3 3	2 26	0 15		n.a.
M14	14 57	21 35	3 34	18 47	1 51	2 28	6 22	0 25	0 6	13 47	1 7	14 28	1 44	5 55	0 31	12 20	1 49	29 24	14 51	3 4	2 27	0 12		n.a.
T 15	14 38	15 59	2 28	19 1	1 37	2 39	6 32	0 43	0 5	13 48	1 7	14 29	1 43	5 56	0 31	12 20	1 49	29 23	14 51	3 6	2 28	0 8		n.a.
W16	14 19	9 24	1 12	19 14	1 23	2 48	6 41	1 0	0 4	13 48	1 7	14 30	1 43	5 57	0 31	12 20	1 49	29 23	14 51	3 7	2 29	0 5		n.a.
T 17	13 59	2 16	0s10	19 25	1 10	2 57	6 51	1 18	0 4	13 49	1 7	14 31	1 43	5 58	0 31	12 21	1 48	29 22	14 51	3 7	2 31	0 1		n.a.
F 18	13 39	4s54	1 30	19 35	0 56	3 4	7 0	1 35	0 3	13 50	1 7	14 32	1 43	5 59	0 31	12 21	1 48	29 22	14 51	3 7	2 32	0n 2		n.a.
S 19	13 19	11 43	2 43	19 44	0 43	3 10	7 8	1 53	0 2	13 50	1 7	14 34	1 42	6 0	0 31	12 21	1 48	29 21	14 51	3 6	2 33	0 6		n.a.
S 20	12 59	17 47	3 44	19 51	0 29	3 15	7 17	2 10	0 1	13 51	1 7	14 35	1 42	6 1	0 31	12 22	1 48	29 21	14 51	3 6	2 35	0 9		n.a.
M21	12 38	22 46	4 31	19 57	0 17	3 18	7 25	2 27	0 1	13 51	1 8	14 36	1 42	6 2	0 31	12 22	1 48	29 20	14 51	3 5	2 36	0 13		n.a.
T 22	12 18	26 24	5 1	20 1	0 5	3 20	7 33	2 45	0 0	13 52	1 8	14 38	1 41	6 3	0 31	12 23	1 48	29 20	14 51	3 5	2 37	0 16		n.a.
W23	11 57	28 28	5 14	20 4	0s 7	3 20	7 40	3 2	0n 1	13 52	1 8	14 39	1 41	6 4	0 31	12 23	1 48	29 20	14 51	3 6	2 38	0 20		n.a.
T 24	11 36	28 55	5 11	20 5	0 19	3 20	7 47	3 19	0 1	13 52	1 8	14 40	1 41	6 5	0 31	12 23	1 48	29 19	14 51	3 7	2 40	0 23		n.a.
F 25	11 15	27 47	4 52	20 5	0 30	3 17	7 53	3 36	0 2	13 53	1 8	14 42	1 41	6 6	0 31	12 24	1 48	29 19	14 51	3 8	2 41	0 27		n.a.
S 26	10 53	25 16	4 19	20 3	0 40	3 14	7 58	3 54	0 3	13 53	1 8	14 43	1 40	6 7	0 31	12 24	1 48	29 18	14 51	3 9	2 42	0 30		n.a.
S 27	10 32	21 36	3 35	20 0	0 50	3 8	8 3	4 11	0 3	13 53	1 8	14 45	1 40	6 8	0 31	12 25	1 48	29 18	14 51	3 10	2 43	0 34		n.a.
M28	10s10	17s 4	2s41	19s55	1s 0	3n 2	8n 7	4n28	0n 4	13s53	1n 8	14n46	1s40	6n 9	0s31	12n25	1s48	29s17	14s51	3s11	2s45	0n37		n.a.

Julian Day Number = 1570240.5, Delta T = 04h18m12s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'18, Lahiri = - 9°40'18 Julian Calendar 1 Feb. 414 BCE == Greg. Calendar 27 Jan. 414 BCE

The year -413 astronomical counting style corresponds to year 414 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

MARCH 414 BCE (-413) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 11 50	4♓58'49	3♓29	7♒14	18°R28	11♈40	9♏53	14♉27	16♈42	7♉18	19♒11	22°R 2	23♓ 7	0♈13	n.a.	T 1
W 2	10 15 46	5°57'51	15°23	8°15	17♓57	12°21	9°R53	14°32	16°45	7°19	19°13	22♓ 1	23° 4	0°20	n.a.	W 2
T 3	10 19 43	6°56'52	27°13	9°19	17°25	13° 2	9°53	14°36	16°48	7°20	19°14	22°D 1	23° 1	0°27	n.a.	T 3
F 4	10 23 39	7°55'50	9♈ 0	10°26	16°51	13°44	9°53	14°41	16°51	7°21	19°16	22° 1	22°57	0°33	n.a.	F 4
S 5	10 27 36	8°54'46	20°47	11°35	16°16	14°25	9°52	14°45	16°54	7°23	19°17	22° 2	22°54	0°40	n.a.	S 5
S 6	10 31 32	9°53'40	2♉38	12°46	15°40	15° 6	9°52	14°50	16°57	7°24	19°19	22° 4	22°51	0°47	n.a.	S 6
M 7	10 35 29	10°52'31	14°37	13°59	15° 3	15°47	9°51	14°55	16°59	7°25	19°20	22° 5	22°48	0°53	n.a.	M 7
T 8	10 39 25	11°51'21	26°47	15°15	14°26	16°28	9°50	15° 0	17° 2	7°27	19°22	22° 6	22°45	1° 0	n.a.	T 8
W 9	10 43 22	12°50'07	9♊13	16°32	13°48	17° 9	9°49	15° 5	17° 5	7°28	19°23	22°R 6	22°42	1° 7	n.a.	W 9
T 10	10 47 19	13°48'52	22° 0	17°52	13° 9	17°50	9°47	15°10	17° 8	7°30	19°25	22° 6	22°38	1°13	n.a.	T 10
F 11	10 51 15	14°47'34	5♋10	19°13	12°31	18°31	9°46	15°15	17°11	7°31	19°26	22° 5	22°35	1°20	n.a.	F 11
S 12	10 55 12	15°46'14	18°47	20°37	11°54	19°12	9°44	15°20	17°14	7°33	19°28	22° 5	22°32	1°27	n.a.	S 12
S 13	10 59 8	16°44'52	2♌51	22° 2	11°17	19°53	9°42	15°25	17°18	7°34	19°29	22° 4	22°29	1°33	n.a.	S 13
M14	11 3 5	17°43'27	17°20	23°29	10°40	20°34	9°40	15°31	17°21	7°36	19°30	22° 4	22°26	1°40	n.a.	M14
T 15	11 7 1	18°42'00	2♍11	24°58	10° 5	21°15	9°38	15°36	17°24	7°37	19°32	22° 3	22°23	1°47	n.a.	T 15
W16	11 10 58	19°40'30	17°17	26°28	9°32	21°55	9°35	15°42	17°27	7°39	19°33	22°D 3	22°19	1°53	n.a.	W16
T 17	11 14 54	20°38'59	2♎29	28° 0	8°59	22°36	9°32	15°47	17°30	7°41	19°35	22° 3	22°16	2° 0	n.a.	T 17
F 18	11 18 51	21°37'26	17°36	29°34	8°29	23°17	9°30	15°53	17°33	7°42	19°36	22°R 3	22°13	2° 6	n.a.	F 18
S 19	11 22 48	22°35'50	2♏31	1♓10	8° 0	23°57	9°26	15°59	17°36	7°44	19°37	22° 3	22°10	2°13	n.a.	S 19
S 20	11 26 44	23°34'14	17° 7	2°47	7°33	24°38	9°23	16° 4	17°40	7°46	19°39	22° 3	22° 7	2°20	n.a.	S 20
M21	11 30 41	24°32'35	1♐19	4°26	7° 9	25°19	9°20	16°10	17°43	7°47	19°40	22° 3	22° 3	2°26	n.a.	M21
T 22	11 34 37	25°30'55	15° 6	6° 7	6°46	25°59	9°16	16°16	17°46	7°49	19°41	22° 3	22° 0	2°33	n.a.	T 22
W23	11 38 34	26°29'14	28°27	7°49	6°26	26°40	9°13	16°22	17°49	7°51	19°43	22°D 3	21°57	2°40	n.a.	W23
T 24	11 42 30	27°27'30	11♑25	9°33	6° 8	27°20	9° 9	16°28	17°53	7°53	19°44	22° 3	21°54	2°46	n.a.	T 24
F 25	11 46 27	28°25'45	24° 3	11°19	5°53	28° 1	9° 5	16°34	17°56	7°55	19°45	22° 3	21°51	2°53	n.a.	F 25
S 26	11 50 23	29°23'59	6♒24	13° 7	5°40	28°41	9° 1	16°41	17°59	7°56	19°46	22° 4	21°48	3° 0	n.a.	S 26
S 27	11 54 20	0♈22'10	18°33	14°56	5°30	29°21	8°56	16°47	18° 3	7°58	19°48	22° 5	21°44	3° 6	n.a.	S 27
M28	11 58 17	1°20'20	0♓31	16°47	5°22	0♉ 2	8°52	16°53	18° 6	8° 0	19°49	22° 6	21°41	3°13	n.a.	M28
T 29	12 2 13	2°18'29	12°24	18°40	5°16	0°42	8°47	16°59	18° 9	8° 2	19°50	22° 6	21°38	3°20	n.a.	T 29
W30	12 6 10	3°16'35	24°12	20°34	5°13	1°22	8°42	17° 6	18°13	8° 4	19°51	22°R 6	21°35	3°26	n.a.	W30
T 31	12 10 6	4♈14'40	5♈59	22♓30	5°D13	2♉ 3	8♏37	17♉12	18♈16	8♉ 6	19♒53	22♓ 6	21♓32	3♈33	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s48	11s55	1s41	19s49	1s 9	2n54	8n11	4n45	0n 5	13s53	1n 9	14n48	1s40	6n10	0s31	12n26	1s48	29s17	14s52	3s12	2s46	0n40		n.a.
W 2	9 26	6 23	0 37	19 41	1 17	2 44	8 13	5 2	0 6	13 53	1 9	14 49	1 39	6 11	0 31	12 26	1 48	29 17	14 52	3 12	2 47	0 44		n.a.
T 3	9 4	0 41	0n29	19 31	1 25	2 33	8 15	5 19	0 6	13 53	1 9	14 51	1 39	6 13	0 31	12 27	1 48	29 16	14 52	3 13	2 49	0 47		n.a.
F 4	8 42	5n 2	1 33	19 21	1 33	2 21	8 16	5 35	0 7	13 53	1 9	14 52	1 39	6 14	0 31	12 27	1 48	29 16	14 52	3 12	2 50	0 51		n.a.
S 5	8 20	10 34	2 33	19 8	1 40	2 8	8 16	5 52	0 8	13 52	1 9	14 54	1 39	6 15	0 31	12 28	1 48	29 15	14 52	3 12	2 51	0 54		n.a.
S 6	7 57	15 46	3 27	18 54	1 47	1 53	8 15	6 9	0 8	13 52	1 9	14 56	1 39	6 16	0 31	12 28	1 47	29 15	14 52	3 11	2 52	0 58		n.a.
M 7	7 35	20 26	4 12	18 38	1 53	1 37	8 14	6 26	0 9	13 52	1 9	14 57	1 38	6 17	0 31	12 29	1 47	29 15	14 52	3 11	2 54	1 1		n.a.
T 8	7 12	24 20	4 47	18 21	1 58	1 20	8 11	6 42	0 10	13 51	1 9	14 59	1 38	6 18	0 31	12 29	1 47	29 14	14 52	3 11	2 55	1 5		n.a.
W 9	6 50	27 13	5 10	18 2	2 4	1 2	8 8	6 59	0 10	13 51	1 9	15 1	1 38	6 19	0 31	12 30	1 47	29 14	14 53	3 10	2 56	1 8		n.a.
T 10	6 27	28 47	5 17	17 42	2 8	0 44	8 3	7 15	0 11	13 50	1 10	15 2	1 38	6 21	0 31	12 30	1 47	29 14	14 53	3 10	2 57	1 12		n.a.
F 11	6 4	28 48	5 9	17 20	2 12	0 24	7 58	7 32	0 11	13 50	1 10	15 4	1 37	6 22	0 31	12 31	1 47	29 13	14 53	3 11	2 59	1 15		n.a.
S 12	5 41	27 6	4 44	16 57	2 16	0 4	7 52	7 48	0 12	13 49	1 10	15 6	1 37	6 23	0 31	12 31	1 47	29 13	14 53	3 11	3 0	1 19		n.a.
S 13	5 18	23 41	4 1	16 32	2 19	0s17	7 44	8 4	0 13	13 48	1 10	15 8	1 37	6 24	0 31	12 32	1 47	29 13	14 53	3 11	3 1	1 22		n.a.
M14	4 55	18 43	3 1	16 5	2 21	0 37	7 37	8 20	0 13	13 47	1 10	15 9	1 37	6 25	0 31	12 32	1 47	29 12	14 53	3 11	3 3	1 26		n.a.
T 15	4 32	12 31	1 48	15 37	2 23	0 59	7 28	8 36	0 14	13 47	1 10	15 11	1 37	6 27	0 31	12 33	1 47	29 12	14 54	3 11	3 4	1 29		n.a.
W16	4 8	5 29	0 26	15 7	2 25	1 20	7 19	8 52	0 15	13 46	1 10	15 13	1 36	6 28	0 31	12 33	1 47	29 12	14 54	3 12	3 5	1 33		n.a.
T 17	3 45	1s53	0s58	14 36	2 26	1 41	7 9	9 8	0 15	13 45	1 10	15 15	1 36	6 29	0 31	12 34	1 47	29 11	14 54	3 12	3 6	1 36		n.a.
F 18	3 22	9 6	2 17	14 3	2 26	2 2	6 58	9 24	0 16	13 44	1 10	15 17	1 36	6 30	0 31	12 35	1 47	29 11	14 54	3 12	3 8	1 40		n.a.
S 19	2 58	15 44	3 27	13 28	2 26	2 23	6 47	9 40	0 16	13 43	1 10	15 18	1 36	6 32	0 31	12 35	1 47	29 11	14 54	3 12	3 9	1 43		n.a.
S 20	2 35	21 19	4 21	12 52	2 26	2 44	6 36	9 56	0 17	13 42	1 10	15 20	1 35	6 33	0 31	12 36	1 47	29 11	14 55	3 12	3 10	1 47		n.a.
M21	2 12	25 32	4 57	12 15	2 25	3 4	6 24	10 11	0 18	13 41	1 10	15 22	1 35	6 34	0 30	12 36	1 47	29 10	14 55	3 12	3 11	1 50		n.a.
T 22	1 48	28 7	5 15	11 36	2 23	3 24	6 12	10 27	0 18	13 39	1 11	15 24	1 35	6 35	0 30	12 37	1 47	29 10	14 55	3 12	3 13	1 53		n.a.
W23	1 25	29 0	5 16	10 55	2 21	3 43	5 59	10 42	0 19	13 38	1 11	15 26	1 35	6 37	0 30	12 38	1 47	29 10	14 55	3 12	3 14	1 57		n.a.
T 24	1 1	28 14	5 0	10 13	2 18	4 1	5 46	10 58	0 19	13 37	1 11	15 28	1 35	6 38	0 30	12 38	1 47	29 10	14 56	3 12	3 15	2 0		n.a.
F 25	0 38	26 0	4 30	9 29	2 15	4 19	5 33	11 13	0 20	13 35	1 11	15 30	1 34	6 39	0 30	12 39	1 46	29 9	14 56	3 11	3 16	2 4		n.a.
S 26	0 15	22 35	3 48	8 44	2 11	4 36	5 20	11 28	0 21	13 34	1 11	15 32	1 34	6 41	0 30	12 40	1 46	29 9	14 56	3 11	3 18	2 7		n.a.
S 27	0n 9	18 15	2 56	7 57	2 6	4 52	5 7	11 43	0 21	13 33	1 11	15 34	1 34	6 42	0 30	12 40	1 46	29 9	14 56	3 11	3 19	2 11		n.a.
M28	0 32	13 15	1 57	7 9	2 2	5 7	4 54	11 58	0 22	13 31	1 11	15 36	1 34	6 43	0 30	12 41	1 46	29 9	14 56	3 11	3 20	2 14		n.a.
T 29	0 56	7 49	0 54	6 19	1 56	5 21	4 40	12 13	0 22	13 29	1 11	15 38	1 34	6 45	0 30	12 41	1 46	29 9	14 57	3 10	3 22	2 18		n.a.
W30	1 19	2 9	0n12	5 28	1 50	5 35	4 27	12 28	0 23	13 28	1 11	15 40	1 34	6 46	0 30	12 42	1 46	29 8	14 57	3 10	3 23	2 21		n.a.
T 31	1n42	3n34	1n16	4s36	1s44	5s47	4n14	12n42	0n23	13s26	1n11	15n42	1s33	6n47	0s30	12n43	1s46	29s 8	14s57	3s10	3s24	2n25		n.a.

Julian Day Number = 1570268.5, Delta T = 04h18m10s
Ecliptic obliquity = 23°44'53, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'14, Lahiri = - 9°40'14 Julian Calendar 1 March 414 BCE == Greg. Calendar 24 Feb. 414 BCE

The year -413 astronomical counting style corresponds to year 414 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

APRIL 414 BCE (-413) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 14 3	5♈12'43	17♈47	24♓28	5♓14	2♉43	8°R32	17♉19	18♈20	8♉ 8	19♒54	22°R 5	21♓28	3♈40	n.a.	F 1
S 2	12 17 59	6°10'44	29°38	26°28	5°18	3°23	8♏27	17°25	18°23	8°10	19°55	22♓ 3	21°25	3°46	n.a.	S 2
S 3	12 21 56	7° 8'44	11♉35	28°29	5°24	4° 3	8°21	17°32	18°26	8°12	19°56	22° 1	21°22	3°53	n.a.	S 3
M 4	12 25 52	8° 6'41	23°39	0♈31	5°33	4°43	8°16	17°39	18°30	8°14	19°57	21°59	21°19	3°59	n.a.	M 4
T 5	12 29 49	9° 4'37	5♊54	2°36	5°43	5°23	8°10	17°46	18°33	8°16	19°58	21°56	21°16	4° 6	n.a.	T 5
W 6	12 33 45	10° 2'31	18°23	4°41	5°56	6° 4	8° 4	17°52	18°37	8°18	19°59	21°54	21°13	4°13	n.a.	W 6
T 7	12 37 42	11° 0'23	1♋ 8	6°48	6°10	6°44	7°58	17°59	18°40	8°20	20° 0	21°53	21° 9	4°19	n.a.	T 7
F 8	12 41 39	11°58'13	14°14	8°56	6°27	7°24	7°52	18° 6	18°44	8°22	20° 1	21°D53	21° 6	4°26	n.a.	F 8
S 9	12 45 35	12°56'02	27°42	11° 5	6°45	8° 4	7°46	18°13	18°47	8°24	20° 3	21°54	21° 3	4°33	n.a.	S 9
S 10	12 49 32	13°53'48	11♌35	13°15	7° 6	8°43	7°40	18°20	18°50	8°26	20° 4	21°55	21° 0	4°39	n.a.	S 10
M11	12 53 28	14°51'33	25°53	15°25	7°28	9°23	7°33	18°27	18°54	8°28	20° 5	21°56	20°57	4°46	n.a.	M11
T 12	12 57 25	15°49'16	10♍33	17°36	7°51	10° 3	7°27	18°34	18°57	8°30	20° 6	21°57	20°54	4°53	n.a.	T 12
W13	13 1 21	16°46'57	25°32	19°46	8°17	10°43	7°20	18°41	19° 1	8°32	20° 6	21°R57	20°50	4°59	n.a.	W13
T 14	13 5 18	17°44'36	10♎41	21°57	8°44	11°23	7°13	18°48	19° 4	8°34	20° 7	21°57	20°47	5° 6	n.a.	T 14
F 15	13 9 14	18°42'14	25°53	24° 7	9°13	12° 3	7° 7	18°55	19° 8	8°36	20° 8	21°54	20°44	5°13	n.a.	F 15
S 16	13 13 11	19°39'51	10♏57	26°16	9°43	12°42	7° 0	19° 3	19°11	8°38	20° 9	21°51	20°41	5°19	n.a.	S 16
S 17	13 17 8	20°37'26	25°44	28°24	10°14	13°22	6°53	19°10	19°15	8°41	20°10	21°47	20°38	5°26	n.a.	S 17
M18	13 21 4	21°35'01	10♐ 8	0♉31	10°47	14° 2	6°46	19°17	19°18	8°43	20°11	21°43	20°34	5°33	n.a.	M18
T 19	13 25 1	22°32'34	24° 4	2°36	11°21	14°41	6°39	19°25	19°22	8°45	20°12	21°40	20°31	5°39	n.a.	T 19
W20	13 28 57	23°30'06	7♑32	4°40	11°57	15°21	6°31	19°32	19°25	8°47	20°13	21°37	20°28	5°46	n.a.	W20
T 21	13 32 54	24°27'38	20°33	6°42	12°33	16° 1	6°24	19°39	19°29	8°49	20°14	21°D36	20°25	5°53	n.a.	T 21
F 22	13 36 50	25°25'08	3♒10	8°41	13°11	16°40	6°17	19°47	19°32	8°51	20°14	21°36	20°22	5°59	n.a.	F 22
S 23	13 40 47	26°22'37	15°28	10°38	13°50	17°20	6° 9	19°54	19°36	8°54	20°15	21°38	20°19	6° 6	n.a.	S 23
S 24	13 44 44	27°20'05	27°32	12°33	14°31	17°59	6° 2	20° 2	19°39	8°56	20°16	21°39	20°15	6°12	n.a.	S 24
M25	13 48 40	28°17'33	9♓25	14°25	15°12	18°39	5°55	20° 9	19°42	8°58	20°17	21°41	20°12	6°19	n.a.	M25
T 26	13 52 37	29°14'59	21°13	16°14	15°54	19°18	5°47	20°17	19°46	9° 0	20°17	21°R41	20° 9	6°26	n.a.	T 26
W27	13 56 33	0♉12'24	3♈ 0	18° 1	16°37	19°58	5°39	20°24	19°49	9° 2	20°18	21°41	20° 6	6°32	n.a.	W27
T 28	14 0 30	1° 9'49	14°48	19°45	17°21	20°37	5°32	20°32	19°53	9° 5	20°19	21°38	20° 3	6°39	n.a.	T 28
F 29	14 4 26	2° 7'12	26°40	21°26	18° 6	21°17	5°24	20°40	19°56	9° 7	20°19	21°34	20° 0	6°46	n.a.	F 29
S 30	14 8 23	3♉ 4'35	8♉38	23♉ 4	18♓52	21♉56	5♏17	20♉47	20♈ 0	9♉ 9	20♒20	21♓28	19♓56	6♈52	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n 6	9n11	2n18	3s42	1s37	5s59	4n 1	12n57	0n24	13s25	1n11	15n44	1s33	6n48	0s30	12n43	1s46	29s 8	14s57	3s11	3s25	2n28		n.a.
S 2	2 29	14 29	3 13	2 47	1 29	6 9	3 48	13 11	0 25	13 23	1 11	15 46	1 33	6 50	0 30	12 44	1 46	29 8	14 58	3 12	3 27	2 32		n.a.
S 3	2 52	19 19	4 1	1 51	1 21	6 19	3 35	13 26	0 25	13 21	1 11	15 48	1 33	6 51	0 30	12 45	1 46	29 8	14 58	3 12	3 28	2 35		n.a.
M 4	3 15	23 25	4 38	0 54	1 13	6 28	3 23	13 40	0 26	13 19	1 11	15 50	1 33	6 52	0 30	12 45	1 46	29 8	14 58	3 13	3 29	2 39		n.a.
T 5	3 39	26 33	5 4	0n 4	1 4	6 35	3 10	13 54	0 26	13 17	1 11	15 52	1 32	6 54	0 30	12 46	1 46	29 8	14 59	3 14	3 30	2 42		n.a.
W 6	4 2	28 28	5 15	1 3	0 55	6 42	2 58	14 8	0 27	13 15	1 11	15 54	1 32	6 55	0 30	12 47	1 46	29 8	14 59	3 15	3 32	2 45		n.a.
T 7	4 25	28 56	5 12	2 2	0 45	6 48	2 46	14 22	0 27	13 13	1 11	15 56	1 32	6 56	0 30	12 47	1 46	29 7	14 59	3 15	3 33	2 49		n.a.
F 8	4 47	27 49	4 52	3 3	0 35	6 53	2 34	14 36	0 28	13 11	1 11	15 58	1 32	6 58	0 30	12 48	1 46	29 7	14 59	3 16	3 34	2 52		n.a.
S 9	5 10	25 4	4 16	4 3	0 25	6 57	2 22	14 49	0 28	13 9	1 11	16 0	1 32	6 59	0 30	12 49	1 46	29 7	15 0	3 15	3 35	2 56		n.a.
S 10	5 33	20 48	3 25	5 4	0 15	7 0	2 11	15 3	0 29	13 7	1 11	16 2	1 32	7 0	0 30	12 50	1 46	29 7	15 0	3 15	3 37	2 59		n.a.
M11	5 56	15 14	2 19	6 5	0 4	7 2	1 59	15 16	0 29	13 5	1 11	16 5	1 31	7 2	0 30	12 50	1 46	29 7	15 0	3 14	3 38	3 3		n.a.
T 12	6 18	8 40	1 2	7 5	0n 6	7 3	1 48	15 30	0 30	13 3	1 11	16 7	1 31	7 3	0 30	12 51	1 46	29 7	15 1	3 14	3 39	3 6		n.a.
W13	6 41	1 30	0s20	8 5	0 17	7 4	1 38	15 43	0 30	13 1	1 11	16 9	1 31	7 4	0 30	12 52	1 46	29 7	15 1	3 14	3 41	3 10		n.a.
T 14	7 3	5s50	1 41	9 5	0 27	7 3	1 27	15 56	0 31	12 59	1 11	16 11	1 31	7 6	0 30	12 52	1 46	29 7	15 1	3 14	3 42	3 13		n.a.
F 15	7 25	12 51	2 56	10 3	0 38	7 2	1 17	16 9	0 31	12 57	1 11	16 13	1 31	7 7	0 30	12 53	1 46	29 7	15 2	3 15	3 43	3 17		n.a.
S 16	7 47	19 3	3 57	11 1	0 48	7 0	1 7	16 21	0 32	12 54	1 11	16 15	1 31	7 8	0 30	12 54	1 46	29 7	15 2	3 16	3 44	3 20		n.a.
S 17	8 9	24 0	4 42	11 57	0 58	6 57	0 57	16 34	0 32	12 52	1 11	16 17	1 31	7 10	0 30	12 55	1 46	29 7	15 2	3 18	3 46	3 24		n.a.
M18	8 31	27 19	5 7	12 51	1 7	6 53	0 48	16 47	0 33	12 50	1 11	16 19	1 30	7 11	0 30	12 55	1 46	29 7	15 2	3 19	3 47	3 27		n.a.
T 19	8 53	28 49	5 13	13 44	1 17	6 48	0 39	16 59	0 33	12 47	1 11	16 22	1 30	7 12	0 30	12 56	1 46	29 7	15 3	3 21	3 48	3 30		n.a.
W20	9 14	28 33	5 1	14 35	1 25	6 43	0 30	17 11	0 34	12 45	1 11	16 24	1 30	7 14	0 30	12 57	1 46	29 7	15 3	3 22	3 49	3 34		n.a.
T 21	9 36	26 40	4 34	15 24	1 34	6 37	0 21	17 23	0 34	12 43	1 11	16 26	1 30	7 15	0 30	12 57	1 46	29 7	15 3	3 22	3 51	3 37		n.a.
F 22	9 57	23 30	3 55	16 10	1 41	6 30	0 13	17 35	0 35	12 40	1 11	16 28	1 30	7 16	0 30	12 58	1 46	29 7	15 4	3 22	3 52	3 41		n.a.
S 23	10 18	19 21	3 5	16 55	1 48	6 22	0 4	17 47	0 35	12 38	1 11	16 30	1 30	7 18	0 30	12 59	1 46	29 7	15 4	3 22	3 53	3 44		n.a.
S 24	10 39	14 29	2 8	17 37	1 55	6 14	0s 4	17 59	0 36	12 35	1 11	16 32	1 30	7 19	0 30	13 0	1 46	29 7	15 4	3 21	3 54	3 48		n.a.
M25	11 0	9 10	1 7	18 17	2 0	6 5	0 11	18 11	0 36	12 33	1 11	16 34	1 29	7 20	0 30	13 0	1 46	29 7	15 5	3 20	3 56	3 51		n.a.
T 26	11 21	3 34	0 3	18 54	2 5	5 55	0 19	18 22	0 37	12 31	1 11	16 37	1 29	7 22	0 30	13 1	1 46	29 7	15 5	3 20	3 57	3 55		n.a.
W27	11 41	2n 8	1n 1	19 29	2 9	5 45	0 26	18 33	0 37	12 28	1 11	16 39	1 29	7 23	0 30	13 2	1 46	29 7	15 5	3 21	3 58	3 58		n.a.
T 28	12 2	7 47	2 2	20 2	2 13	5 34	0 33	18 44	0 38	12 26	1 11	16 41	1 29	7 24	0 30	13 2	1 46	29 7	15 6	3 21	4 0	4 1		n.a.
F 29	12 22	13 11	2 58	20 32	2 16	5 23	0 40	18 55	0 38	12 23	1 10	16 43	1 29	7 26	0 30	13 3	1 45	29 8	15 6	3 23	4 1	4 5		n.a.
S 30	12n42	18n 8	3n47	21n 0	2n18	5s11	0s47	19n 6	0n39	12s21	1n10	16n45	1s29	7n27	0s30	13n 4	1s45	29s 8	15s 7	3s26	4s 2	4n 8		n.a.

Julian Day Number = 1570299.5, Delta T = 04h18m09s
Ecliptic obliquity = 23°44'53, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'10, Lahiri = - 9°40'10 Julian Calendar 1 Apr. 414 BCE == Greg. Calendar 27 March 414 BCE

The year -413 astronomical counting style corresponds to year 414 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

MAY 414 BCE (-413) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 12 19	4♉ 1'56	20♉44	24♉39	19♓38	22♉35	5°R 9	20♉55	20♈ 3	9♉11	20♒21	21°R21	19♓53	6♈59	n.a.	S 1
M 2	14 16 16	4°59'17	3♊ 0	26°12	20°26	23°15	5♏ 1	21° 3	20° 6	9°14	20°21	21♓13	19°50	7° 6	n.a.	M 2
T 3	14 20 12	5°56'37	15°26	27°41	21°14	23°54	4°54	21°10	20°10	9°16	20°22	21° 5	19°47	7°12	n.a.	T 3
W 4	14 24 9	6°53'55	28° 5	29° 8	22° 3	24°33	4°46	21°18	20°13	9°18	20°22	20°58	19°44	7°19	n.a.	W 4
T 5	14 28 6	7°51'13	10♋57	0♊31	22°52	25°13	4°38	21°26	20°16	9°20	20°23	20°53	19°40	7°26	n.a.	T 5
F 6	14 32 2	8°48'29	24° 5	1°51	23°43	25°52	4°31	21°34	20°20	9°23	20°23	20°51	19°37	7°32	n.a.	F 6
S 7	14 35 59	9°45'44	7♌30	3° 9	24°33	26°31	4°23	21°41	20°23	9°25	20°24	20°D49	19°34	7°39	n.a.	S 7
S 8	14 39 55	10°42'59	21°15	4°23	25°25	27°10	4°16	21°49	20°26	9°27	20°24	20°50	19°31	7°46	n.a.	S 8
M 9	14 43 52	11°40'12	5♍19	5°34	26°17	27°49	4° 8	21°57	20°30	9°29	20°25	20°51	19°28	7°52	n.a.	M 9
T 10	14 47 48	12°37'24	19°43	6°41	27°10	28°28	4° 1	22° 5	20°33	9°32	20°25	20°R51	19°25	7°59	n.a.	T 10
W11	14 51 45	13°34'35	4♎25	7°45	28° 3	29° 8	3°53	22°13	20°36	9°34	20°25	20°51	19°21	8° 6	n.a.	W11
T 12	14 55 42	14°31'45	19°19	8°46	28°57	29°47	3°46	22°21	20°39	9°36	20°26	20°48	19°18	8°12	n.a.	T 12
F 13	14 59 38	15°28'55	4♏19	9°44	29°51	0♊26	3°38	22°28	20°43	9°38	20°26	20°43	19°15	8°19	n.a.	F 13
S 14	15 3 35	16°26'04	19°15	10°38	0♈46	1° 5	3°31	22°36	20°46	9°41	20°26	20°36	19°12	8°26	n.a.	S 14
S 15	15 7 31	17°23'12	4♐ 0	11°28	1°41	1°44	3°24	22°44	20°49	9°43	20°27	20°28	19° 9	8°32	n.a.	S 15
M16	15 11 28	18°20'20	18°25	12°14	2°37	2°23	3°17	22°52	20°52	9°45	20°27	20°19	19° 5	8°39	n.a.	M16
T 17	15 15 24	19°17'28	2♑25	12°57	3°34	3° 2	3° 9	23° 0	20°55	9°47	20°27	20°11	19° 2	8°45	n.a.	T 17
W18	15 19 21	20°14'36	15°57	13°36	4°30	3°41	3° 2	23° 8	20°59	9°49	20°27	20° 4	18°59	8°52	n.a.	W18
T 19	15 23 17	21°11'43	29° 2	14°10	5°27	4°20	2°55	23°16	21° 2	9°52	20°28	20° 0	18°56	8°59	n.a.	T 19
F 20	15 27 14	22° 8'51	11♒42	14°41	6°25	4°58	2°49	23°24	21° 5	9°54	20°28	19°58	18°53	9° 5	n.a.	F 20
S 21	15 31 11	23° 5'58	24° 1	15° 7	7°23	5°37	2°42	23°31	21° 8	9°56	20°28	19°D57	18°50	9°12	n.a.	S 21
S 22	15 35 7	24° 3'05	6♓ 4	15°29	8°21	6°16	2°35	23°39	21°11	9°58	20°28	19°58	18°46	9°19	n.a.	S 22
M23	15 39 4	25° 0'12	17°57	15°46	9°20	6°55	2°29	23°47	21°14	10° 0	20°28	19°R58	18°43	9°25	n.a.	M23
T 24	15 43 0	25°57'19	29°45	15°59	10°19	7°34	2°22	23°55	21°17	10° 3	20°28	19°58	18°40	9°32	n.a.	T 24
W25	15 46 57	26°54'26	11♈32	16° 8	11°19	8°13	2°16	24° 3	21°20	10° 5	20°28	19°55	18°37	9°39	n.a.	W25
T 26	15 50 53	27°51'33	23°23	16°R11	12°19	8°52	2° 9	24°11	21°23	10° 7	20°28	19°51	18°34	9°45	n.a.	T 26
F 27	15 54 50	28°48'40	5♉21	16°11	13°19	9°30	2° 3	24°19	21°26	10° 9	20°R28	19°44	18°31	9°52	n.a.	F 27
S 28	15 58 46	29°45'47	17°29	16° 5	14°19	10° 9	1°57	24°27	21°29	10°11	20°28	19°34	18°27	9°59	n.a.	S 28
S 29	16 2 43	0♊42'55	29°48	15°55	15°20	10°48	1°51	24°35	21°32	10°13	20°28	19°23	18°24	10° 5	n.a.	S 29
M30	16 6 40	1°40'02	12♊20	15°41	16°21	11°27	1°45	24°43	21°34	10°15	20°28	19°10	18°21	10°12	n.a.	M30
T 31	16 10 36	2♊37'09	25♊ 3	15♊23	17♈23	12♊ 5	1♏40	24♉50	21♈37	10♉18	20♒28	18♓58	18♓18	10♈19	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	13n 2	22n26	4n26	21n25	2n19	4s58	0s53	19n17	0n39	12s18	1n10	16n47	1s29	7n28	0s30	13n 5	1s45	29s 8	15s 7	3s29	4s 3	4n12			n.a.
M 2	13 21	25 49	4 53	21 48	2 19	4 45	0 59	19 28	0 40	12 16	1 10	16 50	1 29	7 30	0 30	13 5	1 45	29 8	15 7	3 32	4 5	4 15			n.a.
T 3	13 40	28 1	5 7	22 9	2 19	4 31	1 5	19 38	0 40	12 13	1 10	16 52	1 29	7 31	0 30	13 6	1 45	29 8	15 8	3 35	4 6	4 19			n.a.
W 4	14 0	28 50	5 6	22 28	2 18	4 17	1 11	19 48	0 40	12 11	1 10	16 54	1 28	7 32	0 30	13 7	1 45	29 8	15 8	3 37	4 7	4 22			n.a.
T 5	14 18	28 6	4 50	22 44	2 16	4 2	1 17	19 58	0 41	12 8	1 10	16 56	1 28	7 33	0 30	13 8	1 45	29 8	15 8	3 39	4 8	4 26			n.a.
F 6	14 37	25 48	4 18	22 59	2 13	3 47	1 22	20 8	0 41	12 6	1 10	16 58	1 28	7 35	0 30	13 8	1 45	29 9	15 9	3 40	4 10	4 29			n.a.
S 7	14 56	22 3	3 32	23 11	2 10	3 31	1 27	20 18	0 42	12 3	1 10	17 0	1 28	7 36	0 30	13 9	1 45	29 9	15 9	3 41	4 11	4 32			n.a.
S 8	15 14	17 0	2 33	23 21	2 6	3 15	1 32	20 28	0 42	12 1	1 9	17 2	1 28	7 37	0 30	13 10	1 45	29 9	15 9	3 41	4 12	4 36			n.a.
M 9	15 32	10 58	1 23	23 29	2 1	2 58	1 37	20 37	0 43	11 59	1 9	17 4	1 28	7 38	0 30	13 10	1 45	29 9	15 10	3 40	4 13	4 39			n.a.
T 10	15 50	4 13	0 6	23 36	1 55	2 41	1 41	20 46	0 43	11 56	1 9	17 7	1 28	7 40	0 30	13 11	1 45	29 9	15 10	3 40	4 15	4 43			n.a.
W11	16 7	2s53	1s12	23 40	1 49	2 24	1 46	20 56	0 43	11 54	1 9	17 9	1 28	7 41	0 30	13 12	1 45	29 10	15 11	3 40	4 16	4 46			n.a.
T 12	16 24	9 55	2 27	23 43	1 42	2 6	1 50	21 5	0 44	11 51	1 9	17 11	1 28	7 42	0 30	13 13	1 45	29 10	15 11	3 41	4 17	4 50			n.a.
F 13	16 41	16 26	3 31	23 44	1 34	1 48	1 54	21 13	0 44	11 49	1 9	17 13	1 28	7 43	0 30	13 13	1 45	29 10	15 11	3 43	4 18	4 53			n.a.
S 14	16 58	21 57	4 21	23 44	1 25	1 29	1 58	21 22	0 45	11 47	1 8	17 15	1 27	7 45	0 30	13 14	1 45	29 10	15 12	3 46	4 20	4 56			n.a.
S 15	17 14	26 1	4 53	23 42	1 16	1 10	2 1	21 30	0 45	11 44	1 8	17 17	1 27	7 46	0 30	13 15	1 45	29 10	15 12	3 50	4 21	5 0			n.a.
M16	17 31	28 18	5 5	23 38	1 5	0 51	2 5	21 39	0 45	11 42	1 8	17 19	1 27	7 47	0 30	13 15	1 45	29 11	15 12	3 53	4 22	5 3			n.a.
T 17	17 46	28 42	4 58	23 33	0 55	0 31	2 8	21 47	0 46	11 40	1 8	17 21	1 27	7 48	0 30	13 16	1 45	29 11	15 13	3 56	4 24	5 7			n.a.
W18	18 2	27 20	4 35	23 26	0 43	0 11	2 11	21 55	0 46	11 37	1 8	17 23	1 27	7 49	0 30	13 17	1 45	29 11	15 13	3 59	4 25	5 10			n.a.
T 19	18 17	24 29	3 58	23 18	0 31	0n 9	2 14	22 3	0 47	11 35	1 8	17 25	1 27	7 51	0 30	13 18	1 45	29 12	15 13	4 1	4 26	5 14			n.a.
F 20	18 32	20 32	3 10	23 9	0 18	0 29	2 17	22 10	0 47	11 33	1 7	17 28	1 27	7 52	0 30	13 18	1 45	29 12	15 14	4 2	4 27	5 17			n.a.
S 21	18 47	15 47	2 14	22 59	0 5	0 50	2 20	22 18	0 47	11 31	1 7	17 30	1 27	7 53	0 30	13 19	1 45	29 12	15 14	4 2	4 29	5 20			n.a.
S 22	19 2	10 32	1 14	22 48	0s 9	1 11	2 22	22 25	0 48	11 29	1 7	17 32	1 27	7 54	0 30	13 20	1 45	29 12	15 15	4 2	4 30	5 24			n.a.
M23	19 16	4 59	0 11	22 35	0 24	1 32	2 24	22 32	0 48	11 27	1 7	17 34	1 27	7 55	0 30	13 20	1 45	29 13	15 15	4 1	4 31	5 27			n.a.
T 24	19 30	0n41	0n52	22 22	0 39	1 54	2 26	22 39	0 49	11 25	1 7	17 36	1 27	7 56	0 30	13 21	1 45	29 13	15 15	4 2	4 32	5 31			n.a.
W25	19 43	6 20	1 52	22 7	0 54	2 16	2 28	22 46	0 49	11 23	1 6	17 38	1 27	7 57	0 30	13 22	1 45	29 13	15 16	4 2	4 34	5 34			n.a.
T 26	19 56	11 48	2 48	21 52	1 10	2 37	2 30	22 52	0 49	11 21	1 6	17 40	1 27	7 59	0 30	13 22	1 45	29 14	15 16	4 4	4 35	5 37			n.a.
F 27	20 9	16 52	3 37	21 36	1 25	3 0	2 32	22 59	0 50	11 19	1 6	17 42	1 26	8 0	0 30	13 23	1 46	29 14	15 16	4 7	4 36	5 41			n.a.
S 28	20 22	21 21	4 16	21 20	1 41	3 22	2 33	23 5	0 50	11 17	1 6	17 44	1 26	8 1	0 30	13 24	1 46	29 14	15 17	4 11	4 37	5 44			n.a.
S 29	20 34	25 0	4 44	21 3	1 57	3 44	2 35	23 11	0 50	11 15	1 6	17 46	1 26	8 2	0 30	13 24	1 46	29 15	15 17	4 15	4 39	5 48			n.a.
M30	20 46	27 30	4 59	20 45	2 13	4 7	2 36	23 17	0 51	11 13	1 5	17 48	1 26	8 3	0 30	13 25	1 46	29 15	15 18	4 20	4 40	5 51			n.a.
T 31	20n57	28n39	5n 0	20n28	2s29	4n29	2s37	23n23	0n51	11s11	1n 5	17n50	1s26	8n 4	0s30	13n26	1s46	29s16	15s18	4s25	4s41	5n54			n.a.

Julian Day Number = 1570329.5, Delta T = 04h18m08s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'06, Lahiri = - 9°40'06 Julian Calendar 1 May 414 BCE == Greg. Calendar 26 Apr. 414 BCE

The year -413 astronomical counting style corresponds to year 414 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

JUNE 414 BCE (-413) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 14 33	3♊34'16	7♋59	15°R 1	18♈24	12♊44	1°R34	24♉58	21♈40	10♉20	20°R28	18°R48	18♓15	10♈25	n.a.	W 1
T 2	16 18 29	4°31'23	21° 6	14♊35	19°26	13°23	1♏29	25° 6	21°43	10°22	20♒28	18♓39	18°11	10°32	n.a.	T 2
F 3	16 22 26	5°28'30	4♌25	14° 5	20°28	14° 1	1°24	25°14	21°46	10°24	20°28	18°34	18° 8	10°39	n.a.	F 3
S 4	16 26 22	6°25'37	17°57	13°33	21°31	14°40	1°19	25°22	21°48	10°26	20°28	18°31	18° 5	10°45	n.a.	S 4
S 5	16 30 19	7°22'43	1♍41	12°59	22°33	15°19	1°14	25°30	21°51	10°28	20°27	18°30	18° 2	10°52	n.a.	S 5
M 6	16 34 16	8°19'50	15°39	12°23	23°36	15°57	1° 9	25°37	21°54	10°30	20°27	18°30	17°59	10°59	n.a.	M 6
T 7	16 38 12	9°16'56	29°50	11°45	24°40	16°36	1° 4	25°45	21°56	10°32	20°27	18°29	17°56	11° 5	n.a.	T 7
W 8	16 42 9	10°14'02	14♎13	11° 7	25°43	17°15	1° 0	25°53	21°59	10°34	20°27	18°28	17°52	11°12	n.a.	W 8
T 9	16 46 5	11°11'09	28°46	10°29	26°47	17°53	0°55	26° 1	22° 1	10°36	20°26	18°24	17°49	11°19	n.a.	T 9
F 10	16 50 2	12° 8'15	13♏24	9°52	27°50	18°32	0°51	26° 8	22° 4	10°38	20°26	18°17	17°46	11°25	n.a.	F 10
S 11	16 53 58	13° 5'22	28° 1	9°16	28°54	19°10	0°47	26°16	22° 6	10°40	20°26	18° 8	17°43	11°32	n.a.	S 11
S 12	16 57 55	14° 2'29	12♐29	8°42	29°59	19°49	0°43	26°24	22° 9	10°42	20°25	17°57	17°40	11°39	n.a.	S 12
M13	17 1 51	14°59'37	26°42	8°10	1♑ 3	20°27	0°40	26°31	22°11	10°44	20°25	17°45	17°37	11°45	n.a.	M13
T 14	17 5 48	15°56'45	10♑35	7°42	2° 8	21° 6	0°36	26°39	22°13	10°46	20°25	17°34	17°33	11°52	n.a.	T 14
W15	17 9 45	16°53'54	24° 3	7°17	3°13	21°44	0°33	26°47	22°16	10°48	20°24	17°25	17°30	11°59	n.a.	W15
T 16	17 13 41	17°51'03	7♒ 7	6°57	4°18	22°23	0°29	26°54	22°18	10°50	20°24	17°18	17°27	12° 5	n.a.	T 16
F 17	17 17 38	18°48'14	19°47	6°41	5°23	23° 1	0°26	27° 2	22°20	10°51	20°23	17°14	17°24	12°12	n.a.	F 17
S 18	17 21 34	19°45'25	2♓ 7	6°31	6°29	23°40	0°24	27° 9	22°23	10°53	20°23	17°12	17°21	12°19	n.a.	S 18
S 19	17 25 31	20°42'36	14°11	6°25	7°34	24°18	0°21	27°17	22°25	10°55	20°22	17°12	17°17	12°25	n.a.	S 19
M20	17 29 27	21°39'49	26° 5	6°D25	8°40	24°56	0°18	27°24	22°27	10°57	20°22	17°12	17°14	12°32	n.a.	M20
T 21	17 33 24	22°37'03	7♈54	6°31	9°46	25°35	0°16	27°32	22°29	10°59	20°21	17°11	17°11	12°39	n.a.	T 21
W22	17 37 21	23°34'18	19°43	6°42	10°53	26°13	0°14	27°39	22°31	11° 0	20°21	17° 9	17° 8	12°45	n.a.	W22
T 23	17 41 17	24°31'33	1♉38	6°59	11°59	26°52	0°12	27°46	22°33	11° 2	20°20	17° 4	17° 5	12°52	n.a.	T 23
F 24	17 45 14	25°28'50	13°42	7°22	13° 5	27°30	0°10	27°54	22°35	11° 4	20°20	16°57	17° 2	12°58	n.a.	F 24
S 25	17 49 10	26°26'08	25°59	7°52	14°12	28° 9	0° 9	28° 1	22°37	11° 6	20°19	16°48	16°58	13° 5	n.a.	S 25
S 26	17 53 7	27°23'27	8♊31	8°27	15°19	28°47	0° 7	28° 8	22°39	11° 7	20°18	16°36	16°55	13°12	n.a.	S 26
M27	17 57 3	28°20'47	21°18	9° 7	16°26	29°25	0° 6	28°15	22°41	11° 9	20°18	16°24	16°52	13°18	n.a.	M27
T 28	18 1 0	29°18'07	4♋21	9°54	17°33	0♋ 4	0° 5	28°23	22°43	11°11	20°17	16°11	16°49	13°25	n.a.	T 28
W29	18 4 56	0♋15'29	17°38	10°47	18°40	0°42	0° 4	28°30	22°44	11°12	20°16	16° 0	16°46	13°32	n.a.	W29
T 30	18 8 53	1♋12'52	1♌ 8	11♊45	19♉48	1♋20	0♏ 4	28♉37	22♈46	11♉14	20♒16	15♓52	16♓43	13♈38	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n 8	28n15	4n45	20n10	2s45	4n52	2s38	23n28	0n51	11s10	1n 5	17n52	1s26	8n 5	0s30	13n26	1s46	29s16	15s18	4s29	4s42	5n58		n.a.
T 2	21 19	26 16	4 15	19 52	3 0	5 15	2 39	23 33	0 52	11 8	1 5	17 54	1 26	8 6	0 30	13 27	1 46	29 16	15 19	4 33	4 44	6 1		n.a.
F 3	21 30	22 49	3 31	19 34	3 14	5 38	2 40	23 38	0 52	11 6	1 4	17 56	1 26	8 7	0 30	13 28	1 46	29 17	15 19	4 35	4 45	6 5		n.a.
S 4	21 40	18 5	2 34	19 17	3 28	6 1	2 40	23 43	0 53	11 5	1 4	17 57	1 26	8 8	0 30	13 28	1 46	29 17	15 19	4 36	4 46	6 8		n.a.
S 5	21 49	12 22	1 28	19 0	3 40	6 24	2 41	23 48	0 53	11 3	1 4	17 59	1 26	8 9	0 30	13 29	1 46	29 18	15 20	4 36	4 47	6 11		n.a.
M 6	21 59	5 58	0 15	18 44	3 52	6 47	2 41	23 53	0 53	11 2	1 4	18 1	1 26	8 10	0 30	13 29	1 46	29 18	15 20	4 36	4 49	6 15		n.a.
T 7	22 8	0s51	1s 0	18 29	4 2	7 11	2 41	23 57	0 54	11 0	1 3	18 3	1 26	8 11	0 30	13 30	1 46	29 18	15 21	4 37	4 50	6 18		n.a.
W 8	22 16	7 42	2 12	18 15	4 11	7 34	2 41	24 1	0 54	10 59	1 3	18 5	1 26	8 12	0 30	13 31	1 46	29 19	15 21	4 37	4 51	6 22		n.a.
T 9	22 24	14 13	3 16	18 2	4 19	7 57	2 41	24 5	0 54	10 58	1 3	18 7	1 26	8 13	0 30	13 31	1 46	29 19	15 21	4 39	4 52	6 25		n.a.
F 10	22 32	19 59	4 7	17 51	4 25	8 20	2 41	24 9	0 55	10 56	1 3	18 9	1 26	8 14	0 30	13 32	1 46	29 20	15 22	4 42	4 54	6 28		n.a.
S 11	22 40	24 33	4 42	17 41	4 30	8 44	2 41	24 13	0 55	10 55	1 2	18 11	1 26	8 15	0 30	13 32	1 46	29 20	15 22	4 45	4 55	6 32		n.a.
S 12	22 47	27 31	4 59	17 33	4 33	9 7	2 40	24 16	0 55	10 54	1 2	18 12	1 26	8 16	0 30	13 33	1 46	29 21	15 22	4 50	4 56	6 35		n.a.
M13	22 53	28 39	4 57	17 27	4 34	9 30	2 40	24 19	0 55	10 53	1 2	18 14	1 26	8 17	0 30	13 34	1 46	29 21	15 23	4 54	4 57	6 39		n.a.
T 14	23 0	27 55	4 37	17 22	4 34	9 53	2 39	24 22	0 56	10 52	1 2	18 16	1 26	8 17	0 30	13 34	1 46	29 21	15 23	4 58	4 59	6 42		n.a.
W15	23 6	25 33	4 2	17 20	4 32	10 16	2 38	24 25	0 56	10 51	1 1	18 18	1 26	8 18	0 30	13 35	1 46	29 22	15 23	5 2	5 0	6 45		n.a.
T 16	23 11	21 52	3 15	17 20	4 29	10 39	2 38	24 28	0 56	10 50	1 1	18 20	1 26	8 19	0 30	13 35	1 46	29 22	15 24	5 5	5 1	6 49		n.a.
F 17	23 16	17 17	2 20	17 22	4 24	11 2	2 37	24 30	0 57	10 50	1 1	18 21	1 26	8 20	0 30	13 36	1 46	29 23	15 24	5 6	5 2	6 52		n.a.
S 18	23 21	12 5	1 19	17 26	4 18	11 24	2 36	24 33	0 57	10 49	1 1	18 23	1 26	8 21	0 30	13 36	1 46	29 23	15 24	5 7	5 4	6 55		n.a.
S 19	23 25	6 33	0 16	17 32	4 11	11 47	2 34	24 35	0 57	10 48	1 0	18 25	1 26	8 22	0 31	13 37	1 46	29 24	15 25	5 7	5 5	6 59		n.a.
M20	23 29	0 52	0n47	17 40	4 3	12 10	2 33	24 37	0 58	10 47	1 0	18 27	1 26	8 22	0 31	13 37	1 46	29 24	15 25	5 7	5 6	7 2		n.a.
T 21	23 32	4n49	1 47	17 51	3 53	12 32	2 32	24 38	0 58	10 47	1 0	18 28	1 26	8 23	0 31	13 38	1 46	29 25	15 25	5 7	5 7	7 6		n.a.
W22	23 35	10 19	2 43	18 3	3 43	12 54	2 30	24 40	0 58	10 46	0 59	18 30	1 26	8 24	0 31	13 39	1 46	29 25	15 26	5 8	5 9	7 9		n.a.
T 23	23 38	15 30	3 32	18 17	3 32	13 16	2 29	24 41	0 59	10 46	0 59	18 32	1 26	8 25	0 31	13 39	1 46	29 26	15 26	5 10	5 10	7 12		n.a.
F 24	23 40	20 9	4 12	18 32	3 20	13 38	2 27	24 42	0 59	10 46	0 59	18 33	1 26	8 26	0 31	13 40	1 46	29 26	15 26	5 13	5 11	7 16		n.a.
S 25	23 42	24 3	4 41	18 50	3 7	13 59	2 26	24 43	0 59	10 45	0 59	18 35	1 26	8 26	0 31	13 40	1 46	29 27	15 27	5 17	5 12	7 19		n.a.
S 26	23 43	26 54	4 58	19 8	2 54	14 21	2 24	24 44	0 59	10 45	0 58	18 37	1 26	8 27	0 31	13 41	1 46	29 27	15 27	5 21	5 14	7 22		n.a.
M27	23 44	28 26	5 0	19 28	2 40	14 42	2 22	24 44	1 0	10 45	0 58	18 38	1 26	8 28	0 31	13 41	1 46	29 28	15 27	5 26	5 15	7 26		n.a.
T 28	23 45	28 26	4 46	19 49	2 26	15 3	2 20	24 45	1 0	10 45	0 58	18 40	1 26	8 28	0 31	13 41	1 46	29 28	15 28	5 31	5 16	7 29		n.a.
W29	23 45	26 49	4 17	20 10	2 12	15 24	2 18	24 45	1 0	10 45	0 58	18 42	1 26	8 29	0 31	13 42	1 46	29 29	15 28	5 35	5 17	7 32		n.a.
T 30	23n45	23n37	3n33	20n33	1s58	15n44	2s16	24n45	1n 1	10s45	0n57	18n43	1s26	8n30	0s31	13n42	1s46	29s29	15s28	5s39	5s19	7n36		n.a.

Julian Day Number = 1570360.5, Delta T = 04h18m07s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°47'02, Lahiri = - 9°40'01 Julian Calendar 1 June 414 BCE == Greg. Calendar 27 May 414 BCE

The year -413 astronomical counting style corresponds to year 414 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

JULY 414 BCE (-413) JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 12 50	2♋10'15	14♌47	12♊49	20♉55	1♋59	0°R 3	28♉44	22♈48	11♉15	20°R15	15°R46	16♓39	13♈45	n.a.	F 1
S 2	18 16 46	3° 7'40	28°35	13°58	22° 3	2°37	0♏ 3	28°51	22°50	11°17	20♒14	15♓43	16°36	13°52	n.a.	S 2
S 3	18 20 43	4° 5'05	12♍30	15°13	23°11	3°15	0°D 3	28°58	22°51	11°18	20°13	15°D42	16°33	13°58	n.a.	S 3
M 4	18 24 39	5° 2'30	26°32	16°33	24°19	3°54	0° 3	29° 5	22°53	11°20	20°13	15°42	16°30	14° 5	n.a.	M 4
T 5	18 28 36	5°59'57	10♎38	17°58	25°27	4°32	0° 3	29°12	22°54	11°21	20°12	15°R42	16°27	14°12	n.a.	T 5
W 6	18 32 32	6°57'24	24°50	19°27	26°35	5°10	0° 3	29°19	22°56	11°23	20°11	15°41	16°23	14°18	n.a.	W 6
T 7	18 36 29	7°54'53	9♏ 4	21° 1	27°44	5°49	0° 4	29°25	22°57	11°24	20°10	15°38	16°20	14°25	n.a.	T 7
F 8	18 40 25	8°52'22	23°18	22°40	28°52	6°27	0° 5	29°32	22°59	11°26	20° 9	15°32	16°17	14°32	n.a.	F 8
S 9	18 44 22	9°49'53	7♐29	24°22	0♊ 1	7° 5	0° 6	29°39	23° 0	11°27	20° 8	15°24	16°14	14°38	n.a.	S 9
S 10	18 48 19	10°47'25	21°33	26° 8	1° 9	7°43	0° 7	29°46	23° 1	11°28	20° 7	15°14	16°11	14°45	n.a.	S 10
M11	18 52 15	11°44'57	5♑23	27°56	2°18	8°22	0° 8	29°52	23° 2	11°30	20° 7	15° 4	16° 8	14°52	n.a.	M11
T 12	18 56 12	12°42'32	18°58	29°48	3°27	9° 0	0°10	29°59	23° 4	11°31	20° 6	14°54	16° 4	14°58	n.a.	T 12
W13	19 0 8	13°40'07	2♒13	1♋43	4°36	9°38	0°12	0♊ 5	23° 5	11°32	20° 5	14°46	16° 1	15° 5	n.a.	W13
T 14	19 4 5	14°37'44	15° 8	3°39	5°46	10°16	0°14	0°12	23° 6	11°33	20° 4	14°40	15°58	15°12	n.a.	T 14
F 15	19 8 1	15°35'23	27°43	5°37	6°55	10°55	0°16	0°18	23° 7	11°35	20° 3	14°36	15°55	15°18	n.a.	F 15
S 16	19 11 58	16°33'03	10♓ 1	7°36	8° 4	11°33	0°18	0°24	23° 8	11°36	20° 2	14°D35	15°52	15°25	n.a.	S 16
S 17	19 15 54	17°30'44	22° 5	9°36	9°14	12°11	0°20	0°30	23° 9	11°37	20° 1	14°35	15°49	15°32	n.a.	S 17
M18	19 19 51	18°28'28	3♈59	11°37	10°24	12°49	0°23	0°37	23°10	11°38	20° 0	14°36	15°45	15°38	n.a.	M18
T 19	19 23 48	19°26'13	15°49	13°39	11°33	13°27	0°26	0°43	23°11	11°39	19°59	14°R37	15°42	15°45	n.a.	T 19
W20	19 27 44	20°24'00	27°39	15°40	12°43	14° 6	0°29	0°49	23°11	11°40	19°58	14°36	15°39	15°52	n.a.	W20
T 21	19 31 41	21°21'49	9♉36	17°41	13°53	14°44	0°32	0°55	23°12	11°41	19°57	14°34	15°36	15°58	n.a.	T 21
F 22	19 35 37	22°19'39	21°43	19°41	15° 3	15°22	0°35	1° 1	23°13	11°42	19°56	14°31	15°33	16° 5	n.a.	F 22
S 23	19 39 34	23°17'32	4♊ 5	21°41	16°14	16° 0	0°39	1° 7	23°14	11°43	19°55	14°25	15°29	16°12	n.a.	S 23
S 24	19 43 30	24°15'27	16°45	23°41	17°24	16°39	0°42	1°13	23°14	11°44	19°54	14°17	15°26	16°18	n.a.	S 24
M25	19 47 27	25°13'23	29°45	25°39	18°34	17°17	0°46	1°18	23°15	11°45	19°52	14° 9	15°23	16°25	n.a.	M25
T 26	19 51 24	26°11'21	13♋ 4	27°37	19°45	17°55	0°50	1°24	23°15	11°46	19°51	14° 0	15°20	16°32	n.a.	T 26
W27	19 55 20	27° 9'21	26°42	29°33	20°55	18°33	0°54	1°30	23°16	11°47	19°50	13°53	15°17	16°38	n.a.	W27
T 28	19 59 17	28° 7'23	10♌35	1♌28	22° 6	19°11	0°59	1°35	23°16	11°48	19°49	13°47	15°14	16°45	n.a.	T 28
F 29	20 3 13	29° 5'26	24°40	3°22	23°17	19°50	1° 3	1°41	23°17	11°49	19°48	13°44	15°10	16°52	n.a.	F 29
S 30	20 7 10	0♌ 3'31	8♍53	5°15	24°28	20°28	1° 8	1°46	23°17	11°49	19°47	13°D42	15° 7	16°58	n.a.	S 30
S 31	20 11 6	1♌ 1'37	23♍ 9	7♌ 7	25♊39	21♋ 6	1♏13	1♊51	23♈17	11♉50	19♒46	13♓43	15♓ 4	17♈ 5	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n44	19n 5	2n36	20n56	1s43	16n 4	2s14	24n45	1n 1	10s45	0n57	18n45	1s26	8n30	0s31	13n43	1s46	29s30	15s28	5s41	5s20	7n39		n.a.
S 2	23 43	13 31	1 30	21 19	1 28	16 24	2 12	24 44	1 1	10 45	0 57	18 46	1 26	8 31	0 31	13 43	1 47	29 30	15 29	5 42	5 21	7 42		n.a.
S 3	23 41	7 13	0 17	21 42	1 14	16 43	2 9	24 44	1 1	10 45	0 56	18 48	1 26	8 31	0 31	13 44	1 47	29 31	15 29	5 43	5 22	7 46		n.a.
M 4	23 39	0 31	0s57	22 4	0 59	17 3	2 7	24 43	1 2	10 45	0 56	18 49	1 26	8 32	0 31	13 44	1 47	29 32	15 29	5 43	5 24	7 49		n.a.
T 5	23 37	6s14	2 8	22 27	0 45	17 21	2 5	24 42	1 2	10 46	0 56	18 51	1 26	8 33	0 31	13 45	1 47	29 32	15 30	5 43	5 25	7 53		n.a.
W 6	23 34	12 42	3 12	22 48	0 31	17 40	2 2	24 41	1 2	10 46	0 56	18 52	1 26	8 33	0 31	13 45	1 47	29 33	15 30	5 43	5 26	7 56		n.a.
T 7	23 30	18 33	4 4	23 8	0 18	17 58	2 0	24 39	1 2	10 47	0 55	18 54	1 26	8 34	0 31	13 45	1 47	29 33	15 30	5 44	5 27	7 59		n.a.
F 8	23 27	23 22	4 41	23 28	0 5	18 16	1 57	24 38	1 3	10 47	0 55	18 55	1 26	8 34	0 31	13 46	1 47	29 34	15 30	5 47	5 29	8 3		n.a.
S 9	23 23	26 46	5 0	23 45	0n 8	18 33	1 54	24 36	1 3	10 48	0 55	18 57	1 26	8 35	0 31	13 46	1 47	29 34	15 31	5 50	5 30	8 6		n.a.
S 10	23 18	28 29	5 1	24 1	0 20	18 50	1 52	24 34	1 3	10 48	0 55	18 58	1 26	8 35	0 31	13 47	1 47	29 35	15 31	5 53	5 31	8 9		n.a.
M11	23 13	28 22	4 45	24 15	0 31	19 7	1 49	24 32	1 3	10 49	0 54	18 59	1 26	8 35	0 31	13 47	1 47	29 35	15 31	5 57	5 32	8 13		n.a.
T 12	23 8	26 32	4 12	24 26	0 41	19 23	1 46	24 30	1 4	10 50	0 54	19 1	1 26	8 36	0 31	13 47	1 47	29 36	15 31	6 1	5 34	8 16		n.a.
W13	23 2	23 16	3 26	24 35	0 51	19 39	1 43	24 27	1 4	10 51	0 54	19 2	1 26	8 36	0 31	13 48	1 47	29 36	15 32	6 4	5 35	8 19		n.a.
T 14	22 56	18 54	2 31	24 42	1 0	19 54	1 40	24 25	1 4	10 52	0 53	19 3	1 26	8 37	0 31	13 48	1 47	29 37	15 32	6 7	5 36	8 23		n.a.
F 15	22 49	13 49	1 29	24 46	1 9	20 9	1 37	24 22	1 4	10 53	0 53	19 5	1 26	8 37	0 31	13 48	1 47	29 37	15 32	6 8	5 37	8 26		n.a.
S 16	22 42	8 17	0 24	24 47	1 16	20 23	1 34	24 19	1 5	10 54	0 53	19 6	1 26	8 37	0 31	13 49	1 47	29 38	15 32	6 9	5 39	8 29		n.a.
S 17	22 35	2 34	0n40	24 46	1 23	20 37	1 31	24 15	1 5	10 55	0 53	19 7	1 26	8 38	0 31	13 49	1 47	29 39	15 33	6 9	5 40	8 33		n.a.
M18	22 27	3n10	1 42	24 42	1 28	20 50	1 28	24 12	1 5	10 56	0 52	19 9	1 26	8 38	0 31	13 49	1 47	29 39	15 33	6 8	5 41	8 36		n.a.
T 19	22 19	8 45	2 40	24 35	1 33	21 3	1 25	24 8	1 5	10 57	0 52	19 10	1 26	8 38	0 31	13 49	1 47	29 40	15 33	6 8	5 42	8 39		n.a.
W20	22 11	14 2	3 30	24 26	1 38	21 15	1 22	24 5	1 6	10 59	0 52	19 11	1 26	8 39	0 31	13 50	1 47	29 40	15 33	6 8	5 44	8 42		n.a.
T 21	22 2	18 51	4 12	24 14	1 41	21 27	1 19	24 1	1 6	11 0	0 52	19 12	1 26	8 39	0 31	13 50	1 47	29 41	15 33	6 9	5 45	8 46		n.a.
F 22	21 52	22 59	4 43	23 59	1 44	21 38	1 16	23 56	1 6	11 1	0 51	19 13	1 26	8 39	0 31	13 50	1 47	29 41	15 34	6 10	5 46	8 49		n.a.
S 23	21 43	26 11	5 2	23 43	1 46	21 49	1 13	23 52	1 6	11 3	0 51	19 15	1 26	8 39	0 31	13 51	1 48	29 42	15 34	6 13	5 47	8 52		n.a.
S 24	21 32	28 10	5 7	23 24	1 47	21 59	1 10	23 48	1 6	11 4	0 51	19 16	1 26	8 40	0 31	13 51	1 48	29 42	15 34	6 16	5 49	8 56		n.a.
M25	21 22	28 41	4 56	23 3	1 47	22 9	1 6	23 43	1 7	11 6	0 51	19 17	1 26	8 40	0 31	13 51	1 48	29 43	15 34	6 19	5 50	8 59		n.a.
T 26	21 11	27 33	4 29	22 39	1 47	22 18	1 3	23 38	1 7	11 8	0 50	19 18	1 26	8 40	0 31	13 51	1 48	29 43	15 34	6 22	5 51	9 2		n.a.
W27	21 0	24 47	3 46	22 15	1 47	22 26	1 0	23 33	1 7	11 9	0 50	19 19	1 26	8 40	0 31	13 51	1 48	29 44	15 34	6 25	5 52	9 6		n.a.
T 28	20 48	20 31	2 49	21 48	1 45	22 34	0 57	23 28	1 7	11 11	0 50	19 20	1 26	8 40	0 31	13 52	1 48	29 44	15 35	6 27	5 54	9 9		n.a.
F 29	20 36	15 3	1 41	21 20	1 43	22 41	0 54	23 22	1 7	11 13	0 50	19 21	1 26	8 40	0 31	13 52	1 48	29 45	15 35	6 29	5 55	9 12		n.a.
S 30	20 24	8 45	0 26	20 50	1 41	22 48	0 50	23 17	1 8	11 15	0 49	19 22	1 26	8 41	0 31	13 52	1 48	29 46	15 35	6 29	5 56	9 15		n.a.
S 31	20n11	1n58	0s51	20n19	1n38	22n53	0s47	23n11	1n 8	11s17	0n49	19n23	1s26	8n41	0s31	13n52	1s48	29s46	15s35	6s29	5s57	9n19		n.a.

Julian Day Number = 1570390.5, Delta T = 04h18m06s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'58, Lahiri = - 9°39'57 Julian Calendar 1 July 414 BCE == Greg. Calendar 26 June 414 BCE

The year -413 astronomical counting style corresponds to year 414 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

AUGUST 414 BCE (-413) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 15 3	1♌59'45	7♎25	8♌58	26♊50	21♋44	1♏18	1♊57	23♈17	11♉51	19°R45	13♓44	15♓ 1	17♈12	n.a.	M 1
T 2	20 18 59	2°57'54	21°39	10°47	28° 1	22°22	1°23	2° 2	23°17	11°51	19♒43	13°45	14°58	17°18	n.a.	T 2
W 3	20 22 56	3°56'05	5♏49	12°35	29°12	23° 1	1°28	2° 7	23°18	11°52	19°42	13°R45	14°55	17°25	n.a.	W 3
T 4	20 26 52	4°54'18	19°53	14°22	0♋24	23°39	1°34	2°12	23°18	11°53	19°41	13°44	14°51	17°32	n.a.	T 4
F 5	20 30 49	5°52'32	3♐50	16° 7	1°35	24°17	1°40	2°17	23°R18	11°53	19°40	13°42	14°48	17°38	n.a.	F 5
S 6	20 34 46	6°50'48	17°38	17°52	2°47	24°55	1°45	2°22	23°18	11°54	19°39	13°38	14°45	17°45	n.a.	S 6
S 7	20 38 42	7°49'06	1♑15	19°35	3°58	25°33	1°51	2°26	23°17	11°54	19°38	13°32	14°42	17°52	n.a.	S 7
M 8	20 42 39	8°47'25	14°39	21°17	5°10	26°12	1°57	2°31	23°17	11°55	19°36	13°26	14°39	17°58	n.a.	M 8
T 9	20 46 35	9°45'47	27°50	22°58	6°22	26°50	2° 4	2°36	23°17	11°55	19°35	13°21	14°35	18° 5	n.a.	T 9
W10	20 50 32	10°44'10	10♒45	24°38	7°34	27°28	2°10	2°40	23°17	11°55	19°34	13°17	14°32	18°12	n.a.	W10
T 11	20 54 28	11°42'35	23°25	26°16	8°46	28° 6	2°17	2°45	23°17	11°56	19°33	13°13	14°29	18°18	n.a.	T 11
F 12	20 58 25	12°41'01	5♓50	27°54	9°58	28°44	2°23	2°49	23°16	11°56	19°32	13°12	14°26	18°25	n.a.	F 12
S 13	21 2 21	13°39'30	18° 2	29°30	11°10	29°23	2°30	2°53	23°16	11°56	19°30	13°D12	14°23	18°32	n.a.	S 13
S 14	21 6 18	14°38'02	0♈ 3	1♍ 6	12°22	0♌ 1	2°37	2°57	23°15	11°57	19°29	13°13	14°20	18°38	n.a.	S 14
M15	21 10 15	15°36'35	11°56	2°40	13°34	0°39	2°44	3° 1	23°15	11°57	19°28	13°14	14°16	18°45	n.a.	M15
T 16	21 14 11	16°35'11	23°45	4°13	14°47	1°17	2°52	3° 5	23°14	11°57	19°27	13°16	14°13	18°52	n.a.	T 16
W17	21 18 8	17°33'49	5♉35	5°46	15°59	1°55	2°59	3° 9	23°14	11°57	19°25	13°17	14°10	18°58	n.a.	W17
T 18	21 22 4	18°32'29	17°31	7°17	17°12	2°34	3° 7	3°13	23°13	11°57	19°24	13°R18	14° 7	19° 5	n.a.	T 18
F 19	21 26 1	19°31'12	29°38	8°47	18°24	3°12	3°14	3°17	23°12	11°58	19°23	13°18	14° 4	19°12	n.a.	F 19
S 20	21 29 57	20°29'57	12♊ 0	10°16	19°37	3°50	3°22	3°20	23°12	11°58	19°22	13°16	14° 1	19°18	n.a.	S 20
S 21	21 33 54	21°28'45	24°41	11°44	20°50	4°28	3°30	3°24	23°11	11°R58	19°21	13°14	13°57	19°25	n.a.	S 21
M22	21 37 50	22°27'34	7♋45	13°11	22° 3	5° 7	3°38	3°27	23°10	11°58	19°19	13°11	13°54	19°32	n.a.	M22
T 23	21 41 47	23°26'27	21°12	14°36	23°16	5°45	3°46	3°31	23° 9	11°58	19°18	13° 8	13°51	19°39	n.a.	T 23
W24	21 45 44	24°25'21	5♌ 3	16° 1	24°29	6°23	3°55	3°34	23° 8	11°57	19°17	13° 5	13°48	19°45	n.a.	W24
T 25	21 49 40	25°24'18	19°14	17°25	25°42	7° 1	4° 3	3°37	23° 7	11°57	19°16	13° 3	13°45	19°52	n.a.	T 25
F 26	21 53 37	26°23'16	3♍42	18°47	26°55	7°39	4°12	3°40	23° 6	11°57	19°14	13° 2	13°41	19°59	n.a.	F 26
S 27	21 57 33	27°22'17	18°21	20° 8	28° 8	8°18	4°20	3°43	23° 5	11°57	19°13	13°D 2	13°38	20° 5	n.a.	S 27
S 28	22 1 30	28°21'20	3♎ 3	21°28	29°21	8°56	4°29	3°46	23° 4	11°57	19°12	13° 3	13°35	20°12	n.a.	S 28
M29	22 5 26	29°20'25	17°44	22°47	0♌34	9°34	4°38	3°48	23° 3	11°57	19°11	13° 4	13°32	20°19	n.a.	M29
T 30	22 9 23	0♍19'31	2♏16	24° 4	1°48	10°12	4°47	3°51	23° 2	11°56	19°10	13° 5	13°29	20°25	n.a.	T 30
W31	22 13 19	1♍18'40	16♏36	25♍20	3♌ 1	10♌51	4♏56	3♊54	23♈ 0	11♉56	19♒ 8	13♓ 6	13♓26	20♈32	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	19n58	4s54	2s 5	19n47	1n35	22n59	0s44	23n 5	1n 8	11s19	0n49	19n24	1s26	8n41	0s31	13n52	1s48	29s47	15s35	6s29	5s59	9n22			n.a.
T 2	19 45	11 30	3 11	19 13	1 32	23 3	0 41	22 59	1 8	11 21	0 49	19 25	1 27	8 41	0 31	13 53	1 48	29 47	15 35	6 28	6 0	9 25			n.a.
W 3	19 31	17 29	4 5	18 39	1 27	23 7	0 37	22 53	1 8	11 23	0 48	19 26	1 27	8 41	0 31	13 53	1 48	29 48	15 35	6 28	6 1	9 29			n.a.
T 4	19 17	22 30	4 44	18 3	1 23	23 11	0 34	22 46	1 9	11 25	0 48	19 27	1 27	8 41	0 31	13 53	1 48	29 48	15 36	6 28	6 2	9 32			n.a.
F 5	19 3	26 12	5 6	17 27	1 18	23 14	0 31	22 40	1 9	11 27	0 48	19 28	1 27	8 41	0 31	13 53	1 48	29 49	15 36	6 29	6 4	9 35			n.a.
S 6	18 48	28 18	5 10	16 50	1 13	23 16	0 28	22 33	1 9	11 30	0 48	19 29	1 27	8 41	0 31	13 53	1 48	29 49	15 36	6 31	6 5	9 38			n.a.
S 7	18 33	28 41	4 56	16 12	1 8	23 17	0 24	22 26	1 9	11 32	0 47	19 30	1 27	8 41	0 31	13 53	1 48	29 50	15 36	6 33	6 6	9 42			n.a.
M 8	18 18	27 20	4 26	15 34	1 2	23 18	0 21	22 19	1 9	11 34	0 47	19 31	1 27	8 41	0 31	13 53	1 48	29 50	15 36	6 35	6 7	9 45			n.a.
T 9	18 2	24 30	3 43	14 55	0 56	23 18	0 18	22 12	1 10	11 37	0 47	19 32	1 27	8 40	0 31	13 53	1 48	29 51	15 36	6 38	6 9	9 48			n.a.
W10	17 46	20 27	2 48	14 16	0 50	23 17	0 15	22 4	1 10	11 39	0 47	19 32	1 27	8 40	0 31	13 53	1 48	29 51	15 36	6 39	6 10	9 52			n.a.
T 11	17 30	15 33	1 46	13 37	0 44	23 16	0 11	21 57	1 10	11 42	0 46	19 33	1 27	8 40	0 32	13 53	1 49	29 52	15 36	6 40	6 11	9 55			n.a.
F 12	17 13	10 7	0 40	12 57	0 37	23 14	0 8	21 49	1 10	11 44	0 46	19 34	1 27	8 40	0 32	13 53	1 49	29 52	15 36	6 41	6 12	9 58			n.a.
S 13	16 56	4 23	0n27	12 16	0 31	23 11	0 5	21 41	1 10	11 47	0 46	19 35	1 27	8 40	0 32	13 54	1 49	29 53	15 36	6 41	6 14	10 1			n.a.
S 14	16 39	1n25	1 31	11 36	0 24	23 8	0 2	21 33	1 10	11 49	0 46	19 36	1 27	8 40	0 32	13 54	1 49	29 53	15 36	6 41	6 15	10 5			n.a.
M15	16 22	7 5	2 31	10 55	0 17	23 4	0n 1	21 25	1 11	11 52	0 45	19 36	1 27	8 40	0 32	13 54	1 49	29 53	15 37	6 40	6 16	10 8			n.a.
T 16	16 4	12 30	3 25	10 14	0 10	22 59	0 4	21 17	1 11	11 55	0 45	19 37	1 27	8 39	0 32	13 54	1 49	29 54	15 37	6 39	6 17	10 11			n.a.
W17	15 46	17 28	4 9	9 33	0 2	22 54	0 7	21 8	1 11	11 58	0 45	19 38	1 27	8 39	0 32	13 54	1 49	29 54	15 37	6 39	6 18	10 14			n.a.
T 18	15 28	21 48	4 44	8 52	0s 5	22 48	0 10	21 0	1 11	12 0	0 45	19 38	1 28	8 39	0 32	13 54	1 49	29 55	15 37	6 39	6 20	10 18			n.a.
F 19	15 9	25 18	5 6	8 11	0 13	22 41	0 13	20 51	1 11	12 3	0 45	19 39	1 28	8 39	0 32	13 54	1 49	29 55	15 37	6 39	6 21	10 21			n.a.
S 20	14 51	27 43	5 15	7 30	0 20	22 33	0 16	20 42	1 11	12 6	0 44	19 40	1 28	8 38	0 32	13 53	1 49	29 56	15 37	6 39	6 22	10 24			n.a.
S 21	14 32	28 47	5 9	6 50	0 28	22 25	0 19	20 33	1 11	12 9	0 44	19 40	1 28	8 38	0 32	13 53	1 49	29 56	15 37	6 40	6 23	10 27			n.a.
M22	14 12	28 17	4 47	6 9	0 35	22 17	0 22	20 23	1 12	12 12	0 44	19 41	1 28	8 38	0 32	13 53	1 49	29 57	15 37	6 41	6 25	10 31			n.a.
T 23	13 53	26 8	4 8	5 28	0 43	22 7	0 25	20 14	1 12	12 15	0 44	19 41	1 28	8 37	0 32	13 53	1 49	29 57	15 37	6 43	6 26	10 34			n.a.
W24	13 33	22 24	3 15	4 48	0 51	21 57	0 27	20 5	1 12	12 18	0 43	19 42	1 28	8 37	0 32	13 53	1 49	29 57	15 37	6 44	6 27	10 37			n.a.
T 25	13 13	17 16	2 8	4 8	0 59	21 46	0 30	19 55	1 12	12 21	0 43	19 42	1 28	8 37	0 32	13 53	1 49	29 58	15 37	6 44	6 28	10 40			n.a.
F 26	12 53	11 5	0 51	3 28	1 7	21 35	0 33	19 45	1 12	12 24	0 43	19 43	1 28	8 36	0 32	13 53	1 49	29 58	15 37	6 45	6 30	10 43			n.a.
S 27	12 32	4 13	0s29	2 49	1 14	21 23	0 36	19 35	1 12	12 28	0 43	19 43	1 28	8 36	0 32	13 53	1 49	29 59	15 37	6 45	6 31	10 47			n.a.
S 28	12 12	2s53	1 49	2 10	1 22	21 10	0 38	19 25	1 12	12 31	0 43	19 44	1 28	8 35	0 32	13 53	1 50	29 59	15 37	6 45	6 32	10 50			n.a.
M29	11 51	9 49	3 0	1 32	1 30	20 57	0 41	19 15	1 13	12 34	0 42	19 44	1 28	8 35	0 32	13 53	1 50	29 59	15 37	6 44	6 33	10 53			n.a.
T 30	11 30	16 10	4 0	0 54	1 37	20 43	0 43	19 5	1 13	12 37	0 42	19 45	1 28	8 34	0 32	13 53	1 50	30 0	15 36	6 44	6 35	10 56			n.a.
W31	11n 9	21s32	4s44	0n16	1s45	20n28	0n46	18n54	1n13	12s41	0n42	19n45	1s29	8n34	0s32	13n52	1s50	30s 0	15s36	6s43	6s36	11n 0			n.a.

Julian Day Number = 1570421.5, Delta T = 04h18m05s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'54, Lahiri = - 9°39'53 Julian Calendar 1 Aug. 414 BCE == Greg. Calendar 27 July 414 BCE

The year -413 astronomical counting style corresponds to year 414 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

SEPTEMBER 414 BCE (-413) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 17 16	2♍17'51	0♐42	26♍35	4♌15	11♌29	5♏ 6	3♊56	22°R59	11°R56	19°R 7	13°R 6	13♓22	20♈39	n.a.	T 1
F 2	22 21 13	3°17'03	14°31	27°47	5°28	12° 7	5°15	3°58	22♈58	11♉55	19♒ 6	13♓ 6	13°19	20°45	n.a.	F 2
S 3	22 25 9	4°16'17	28° 4	28°59	6°42	12°45	5°25	4° 0	22°56	11°55	19° 5	13° 5	13°16	20°52	n.a.	S 3
S 4	22 29 6	5°15'34	11♑21	0♎ 8	7°56	13°24	5°34	4° 3	22°55	11°54	19° 4	13° 4	13°13	20°59	n.a.	S 4
M 5	22 33 2	6°14'52	24°23	1°15	9° 9	14° 2	5°44	4° 4	22°54	11°54	19° 2	13° 3	13°10	21° 5	n.a.	M 5
T 6	22 36 59	7°14'12	7♒11	2°21	10°23	14°40	5°54	4° 6	22°52	11°53	19° 1	13° 3	13° 7	21°12	n.a.	T 6
W 7	22 40 55	8°13'34	19°45	3°24	11°37	15°19	6° 4	4° 8	22°51	11°53	19° 0	13° 2	13° 3	21°19	n.a.	W 7
T 8	22 44 52	9°12'58	2♓ 8	4°24	12°51	15°57	6°14	4°10	22°49	11°52	18°59	13° 2	13° 0	21°25	n.a.	T 8
F 9	22 48 48	10°12'24	14°20	5°22	14° 5	16°35	6°24	4°11	22°47	11°52	18°58	13°D 2	12°57	21°32	n.a.	F 9
S 10	22 52 45	11°11'52	26°23	6°17	15°19	17°13	6°35	4°13	22°46	11°51	18°57	13° 2	12°54	21°39	n.a.	S 10
S 11	22 56 41	12°11'22	8♈19	7° 9	16°33	17°52	6°45	4°14	22°44	11°51	18°56	13° 2	12°51	21°45	n.a.	S 11
M12	23 0 38	13°10'55	20°10	7°57	17°47	18°30	6°55	4°15	22°42	11°50	18°55	13°R 2	12°47	21°52	n.a.	M12
T 13	23 4 35	14°10'30	1♉59	8°42	19° 2	19° 8	7° 6	4°16	22°40	11°49	18°53	13° 2	12°44	21°59	n.a.	T 13
W14	23 8 31	15°10'08	13°49	9°22	20°16	19°47	7°17	4°17	22°39	11°48	18°52	13° 2	12°41	22° 5	n.a.	W14
T 15	23 12 28	16° 9'47	25°44	9°57	21°30	20°25	7°27	4°18	22°37	11°48	18°51	13° 1	12°38	22°12	n.a.	T 15
F 16	23 16 24	17° 9'30	7♊49	10°28	22°44	21° 3	7°38	4°19	22°35	11°47	18°50	13° 1	12°35	22°19	n.a.	F 16
S 17	23 20 21	18° 9'14	20° 7	10°53	23°59	21°42	7°49	4°20	22°33	11°46	18°49	13°D 1	12°32	22°25	n.a.	S 17
S 18	23 24 17	19° 9'01	2♋44	11°11	25°13	22°20	8° 0	4°20	22°31	11°45	18°48	13° 1	12°28	22°32	n.a.	S 18
M19	23 28 14	20° 8'51	15°43	11°24	26°28	22°58	8°11	4°21	22°29	11°44	18°47	13° 2	12°25	22°39	n.a.	M19
T 20	23 32 10	21° 8'42	29° 7	11°R28	27°42	23°37	8°23	4°21	22°27	11°43	18°46	13° 2	12°22	22°45	n.a.	T 20
W21	23 36 7	22° 8'36	12♌58	11°26	28°57	24°15	8°34	4°21	22°25	11°42	18°45	13° 3	12°19	22°52	n.a.	W21
T 22	23 40 4	23° 8'32	27°14	11°14	0♍12	24°53	8°45	4°R21	22°23	11°41	18°44	13° 4	12°16	22°59	n.a.	T 22
F 23	23 44 0	24° 8'31	11♍54	10°55	1°26	25°32	8°57	4°21	22°21	11°40	18°43	13°R 4	12°12	23° 5	n.a.	F 23
S 24	23 47 57	25° 8'31	26°50	10°26	2°41	26°10	9° 8	4°21	22°19	11°39	18°42	13° 4	12° 9	23°12	n.a.	S 24
S 25	23 51 53	26° 8'34	11♎55	9°48	3°56	26°49	9°20	4°21	22°16	11°38	18°41	13° 3	12° 6	23°19	n.a.	S 25
M26	23 55 50	27° 8'38	27° 0	9° 1	5°11	27°27	9°32	4°20	22°14	11°37	18°40	13° 1	12° 3	23°25	n.a.	M26
T 27	23 59 46	28° 8'44	11♏56	8° 5	6°25	28° 5	9°43	4°20	22°12	11°36	18°39	13° 0	12° 0	23°32	n.a.	T 27
W28	0 3 43	29° 8'52	26°35	7° 2	7°40	28°44	9°55	4°19	22°10	11°35	18°39	12°58	11°57	23°39	n.a.	W28
T 29	0 7 39	0♎ 9'02	10♐53	5°52	8°55	29°22	10° 7	4°19	22° 8	11°34	18°38	12°56	11°53	23°46	n.a.	T 29
F 30	0 11 36	1♎ 9'14	24♐47	4♎37	10♍10	0♍ 1	10♏19	4♊18	22♈ 5	11♉32	18♒37	12♓55	11♓50	23♈52	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n47	25s36	5s10	0s20	1s52	20n13	0n48	18n44	1n13	12s44	0n42	19n45	1s29	8n33	0s32	13n52	1s50	30s 0	15s36	6s43	6s37	11n 3		n.a.
F 2	10 26	28 5	5 17	0 56	2 0	19 58	0 50	18 33	1 13	12 47	0 42	19 46	1 29	8 33	0 32	13 52	1 50	30 1	15 36	6 43	6 38	11 6		n.a.
S 3	10 4	28 50	5 6	1 31	2 7	19 41	0 53	18 22	1 13	12 51	0 41	19 46	1 29	8 32	0 32	13 52	1 50	30 1	15 36	6 44	6 39	11 9		n.a.
S 4	9 42	27 54	4 39	2 6	2 14	19 24	0 55	18 11	1 13	12 54	0 41	19 46	1 29	8 32	0 32	13 52	1 50	30 1	15 36	6 44	6 41	11 12		n.a.
M 5	9 20	25 25	3 58	2 39	2 21	19 7	0 57	18 0	1 13	12 58	0 41	19 47	1 29	8 31	0 32	13 52	1 50	30 2	15 36	6 44	6 42	11 16		n.a.
T 6	8 58	21 43	3 6	3 12	2 28	18 49	0 59	17 49	1 13	13 1	0 41	19 47	1 29	8 31	0 32	13 51	1 50	30 2	15 36	6 45	6 43	11 19		n.a.
W 7	8 35	17 4	2 6	3 43	2 34	18 30	1 1	17 37	1 14	13 5	0 41	19 47	1 29	8 30	0 32	13 51	1 50	30 2	15 36	6 45	6 44	11 22		n.a.
T 8	8 13	11 47	1 0	4 13	2 40	18 11	1 3	17 26	1 14	13 8	0 40	19 47	1 29	8 29	0 32	13 51	1 50	30 3	15 36	6 45	6 46	11 25		n.a.
F 9	7 50	6 8	0n 7	4 42	2 46	17 51	1 5	17 14	1 14	13 12	0 40	19 48	1 29	8 29	0 32	13 51	1 50	30 3	15 36	6 45	6 47	11 28		n.a.
S 10	7 27	0 20	1 13	5 9	2 52	17 31	1 7	17 3	1 14	13 15	0 40	19 48	1 29	8 28	0 32	13 50	1 50	30 3	15 36	6 45	6 48	11 32		n.a.
S 11	7 5	5n25	2 16	5 34	2 57	17 10	1 9	16 51	1 14	13 19	0 40	19 48	1 29	8 28	0 32	13 50	1 50	30 3	15 35	6 45	6 49	11 35		n.a.
M12	6 41	10 56	3 12	5 58	3 1	16 49	1 11	16 39	1 14	13 23	0 40	19 48	1 29	8 27	0 32	13 50	1 50	30 4	15 35	6 45	6 51	11 38		n.a.
T 13	6 18	16 3	4 0	6 19	3 6	16 27	1 12	16 27	1 14	13 26	0 40	19 48	1 30	8 26	0 32	13 50	1 50	30 4	15 35	6 45	6 52	11 41		n.a.
W14	5 55	20 35	4 37	6 39	3 9	16 5	1 14	16 15	1 14	13 30	0 39	19 48	1 30	8 25	0 32	13 49	1 50	30 4	15 35	6 45	6 53	11 44		n.a.
T 15	5 32	24 20	5 3	6 56	3 12	15 43	1 16	16 3	1 14	13 34	0 39	19 48	1 30	8 25	0 32	13 49	1 50	30 4	15 35	6 45	6 54	11 47		n.a.
F 16	5 8	27 5	5 16	7 10	3 14	15 19	1 17	15 50	1 14	13 37	0 39	19 49	1 30	8 24	0 32	13 49	1 50	30 5	15 35	6 45	6 55	11 51		n.a.
S 17	4 45	28 36	5 15	7 21	3 16	14 56	1 19	15 38	1 15	13 41	0 39	19 49	1 30	8 23	0 32	13 48	1 51	30 5	15 35	6 45	6 57	11 54		n.a.
S 18	4 21	28 42	4 59	7 29	3 16	14 32	1 20	15 25	1 15	13 45	0 39	19 49	1 30	8 23	0 32	13 48	1 51	30 5	15 34	6 45	6 58	11 57		n.a.
M19	3 57	27 14	4 27	7 33	3 16	14 8	1 21	15 13	1 15	13 49	0 38	19 49	1 30	8 22	0 32	13 48	1 51	30 5	15 34	6 45	6 59	12 0		n.a.
T 20	3 33	24 11	3 40	7 34	3 14	13 43	1 22	15 0	1 15	13 52	0 38	19 49	1 30	8 21	0 32	13 48	1 51	30 5	15 34	6 45	7 0	12 3		n.a.
W21	3 9	19 41	2 39	7 30	3 11	13 17	1 24	14 47	1 15	13 56	0 38	19 49	1 30	8 20	0 32	13 47	1 51	30 6	15 34	6 44	7 2	12 6		n.a.
T 22	2 45	13 57	1 27	7 21	3 6	12 52	1 25	14 34	1 15	14 0	0 38	19 49	1 30	8 20	0 32	13 47	1 51	30 6	15 34	6 44	7 3	12 10		n.a.
F 23	2 21	7 17	0 7	7 8	3 0	12 26	1 26	14 21	1 15	14 4	0 38	19 48	1 30	8 19	0 32	13 46	1 51	30 6	15 34	6 44	7 4	12 13		n.a.
S 24	1 57	0 7	1s16	6 49	2 53	12 0	1 27	14 8	1 15	14 8	0 38	19 48	1 30	8 18	0 32	13 46	1 51	30 6	15 33	6 44	7 5	12 16		n.a.
S 25	1 33	7s 7	2 33	6 25	2 43	11 33	1 27	13 55	1 15	14 12	0 37	19 48	1 31	8 17	0 32	13 46	1 51	30 6	15 33	6 45	7 7	12 19		n.a.
M26	1 9	13 57	3 40	5 56	2 32	11 6	1 28	13 41	1 15	14 16	0 37	19 48	1 31	8 16	0 32	13 45	1 51	30 6	15 33	6 45	7 8	12 22		n.a.
T 27	0 45	19 54	4 31	5 22	2 19	10 39	1 29	13 28	1 15	14 20	0 37	19 48	1 31	8 15	0 32	13 45	1 51	30 6	15 33	6 46	7 9	12 25		n.a.
W28	0 21	24 33	5 3	4 43	2 3	10 11	1 30	13 14	1 15	14 24	0 37	19 48	1 31	8 15	0 32	13 45	1 51	30 6	15 33	6 47	7 10	12 28		n.a.
T 29	0s 4	27 34	5 16	3 59	1 47	9 43	1 30	13 1	1 15	14 28	0 37	19 48	1 31	8 14	0 32	13 44	1 51	30 7	15 32	6 47	7 11	12 32		n.a.
F 30	0s28	28s48	5s 9	3s12	1s28	9n15	1n31	12n47	1n15	14s31	0n37	19n47	1s31	8n13	0s32	13n44	1s51	30s 7	15s32	6s48	7s13	12n35		n.a.

Julian Day Number = 1570452.5, Delta T = 04h18m03s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'49, Lahiri = - 9°39'49 Julian Calendar 1 Sept. 414 BCE == Greg. Calendar 27 Aug. 414 BCE

The year -413 astronomical counting style corresponds to year 414 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

OCTOBER 414 BCE (-413) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 15 33	2♎ 9'27	8♉17	3°R20	11♍25	0♍39	10♏31	4°R17	22°R 3	11°R31	18°R36	12°D55	11♓47	23♈59	n.a.	S 1
S 2	0 19 29	3° 9'41	21°24	2♎ 2	12°40	1°17	10°43	4♊16	22♈ 1	11♉30	18♒35	12♓56	11°44	24° 6	n.a.	S 2
M 3	0 23 26	4° 9'58	4♒12	0°46	13°55	1°56	10°56	4°15	21°58	11°29	18°34	12°57	11°41	24°12	n.a.	M 3
T 4	0 27 22	5°10'15	16°43	29♍34	15°10	2°34	11° 8	4°13	21°56	11°27	18°34	12°59	11°38	24°19	n.a.	T 4
W 5	0 31 19	6°10'35	29° 1	28°29	16°25	3°13	11°20	4°12	21°54	11°26	18°33	13° 1	11°34	24°26	n.a.	W 5
T 6	0 35 15	7°10'56	11♓ 9	27°33	17°40	3°51	11°33	4°10	21°51	11°25	18°32	13°R 1	11°31	24°32	n.a.	T 6
F 7	0 39 12	8°11'19	23°10	26°46	18°56	4°30	11°45	4° 9	21°49	11°23	18°31	13° 1	11°28	24°39	n.a.	F 7
S 8	0 43 8	9°11'43	5♈ 4	26°11	20°11	5° 8	11°58	4° 7	21°46	11°22	18°31	12°59	11°25	24°46	n.a.	S 8
S 9	0 47 5	10°12'09	16°56	25°47	21°26	5°46	12°10	4° 5	21°44	11°21	18°30	12°56	11°22	24°52	n.a.	S 9
M10	0 51 1	11°12'37	28°46	25°35	22°41	6°25	12°23	4° 3	21°41	11°19	18°29	12°51	11°18	24°59	n.a.	M10
T 11	0 54 58	12°13'07	10♉36	25°D34	23°56	7° 3	12°35	4° 1	21°39	11°18	18°29	12°46	11°15	25° 6	n.a.	T 11
W12	0 58 55	13°13'39	22°29	25°44	25°12	7°42	12°48	3°59	21°37	11°16	18°28	12°40	11°12	25°12	n.a.	W12
T 13	1 2 51	14°14'12	4♊27	26° 5	26°27	8°20	13° 1	3°57	21°34	11°15	18°27	12°35	11° 9	25°19	n.a.	T 13
F 14	1 6 48	15°14'48	16°32	26°35	27°42	8°59	13°14	3°55	21°32	11°13	18°27	12°31	11° 6	25°26	n.a.	F 14
S 15	1 10 44	16°15'25	28°49	27°14	28°58	9°37	13°27	3°52	21°29	11°12	18°26	12°27	11° 3	25°32	n.a.	S 15
S 16	1 14 41	17°16'05	11♋22	28° 0	0♎13	10°16	13°40	3°50	21°27	11°10	18°26	12°26	10°59	25°39	n.a.	S 16
M17	1 18 37	18°16'46	24°13	28°53	1°28	10°54	13°53	3°47	21°24	11° 9	18°25	12°D26	10°56	25°46	n.a.	M17
T 18	1 22 34	19°17'28	7♌27	29°52	2°44	11°33	14° 6	3°44	21°22	11° 7	18°25	12°27	10°53	25°53	n.a.	T 18
W19	1 26 30	20°18'13	21° 7	0♎56	3°59	12°11	14°19	3°41	21°19	11° 6	18°24	12°28	10°50	25°59	n.a.	W19
T 20	1 30 27	21°18'59	5♍15	2° 4	5°15	12°50	14°32	3°38	21°17	11° 4	18°24	12°R30	10°47	26° 6	n.a.	T 20
F 21	1 34 24	22°19'47	19°49	3°17	6°30	13°28	14°45	3°35	21°14	11° 3	18°23	12°30	10°44	26°13	n.a.	F 21
S 22	1 38 20	23°20'37	4♎46	4°32	7°45	14° 7	14°58	3°32	21°12	11° 1	18°23	12°28	10°40	26°19	n.a.	S 22
S 23	1 42 17	24°21'28	19°59	5°51	9° 1	14°45	15°11	3°29	21° 9	10°59	18°22	12°24	10°37	26°26	n.a.	S 23
M24	1 46 13	25°22'21	5♏17	7°12	10°16	15°24	15°25	3°26	21° 7	10°58	18°22	12°18	10°34	26°33	n.a.	M24
T 25	1 50 10	26°23'14	20°30	8°35	11°32	16° 2	15°38	3°22	21° 4	10°56	18°22	12°11	10°31	26°39	n.a.	T 25
W26	1 54 6	27°24'10	5♐28	9°59	12°47	16°41	15°51	3°19	21° 2	10°54	18°21	12° 4	10°28	26°46	n.a.	W26
T 27	1 58 3	28°25'06	20° 2	11°25	14° 3	17°20	16° 5	3°15	20°59	10°53	18°21	11°58	10°24	26°53	n.a.	T 27
F 28	2 1 59	29°26'03	4♑ 8	12°53	15°18	17°58	16°18	3°12	20°57	10°51	18°21	11°53	10°21	26°59	n.a.	F 28
S 29	2 5 56	0♏27'01	17°45	14°21	16°34	18°37	16°32	3° 8	20°54	10°49	18°21	11°50	10°18	27° 6	n.a.	S 29
S 30	2 9 53	1°28'00	0♒54	15°50	17°50	19°15	16°45	3° 4	20°52	10°48	18°20	11°D49	10°15	27°13	n.a.	S 30
M31	2 13 49	2♏29'00	13♒38	17♎20	19♎ 5	19♍54	16♏59	3♊ 0	20♈49	10♉46	18♒20	11♓50	10♓12	27♈19	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	0s52	28s14	4s46	2s23	1s 9	8n46	1n31	12n33	1n15	14s35	0n37	19n47	1s31	8n12	0s32	13n43	1s51	30s 7	15s32	6s48	7s14	12n38		n.a.
S 2	1 16	26 6	4 8	1 33	0 49	8 18	1 31	12 20	1 15	14 39	0 36	19 47	1 31	8 11	0 32	13 43	1 51	30 7	15 32	6 47	7 15	12 41		n.a.
M 3	1 41	22 39	3 18	0 44	0 28	7 49	1 32	12 6	1 15	14 43	0 36	19 46	1 31	8 10	0 32	13 43	1 51	30 7	15 31	6 47	7 16	12 44		n.a.
T 4	2 5	18 15	2 20	0n 4	0 7	7 20	1 32	11 52	1 15	14 47	0 36	19 46	1 31	8 9	0 32	13 42	1 51	30 7	15 31	6 46	7 18	12 47		n.a.
W 5	2 29	13 9	1 16	0 48	0n13	6 50	1 32	11 38	1 15	14 51	0 36	19 46	1 31	8 8	0 32	13 42	1 51	30 7	15 31	6 46	7 19	12 50		n.a.
T 6	2 53	7 38	0 10	1 29	0 32	6 21	1 32	11 24	1 15	14 55	0 36	19 46	1 31	8 8	0 32	13 41	1 51	30 7	15 31	6 45	7 20	12 53		n.a.
F 7	3 17	1 54	0n56	2 4	0 50	5 51	1 32	11 9	1 16	14 59	0 36	19 45	1 31	8 7	0 32	13 41	1 51	30 7	15 30	6 45	7 21	12 56		n.a.
S 8	3 41	3n51	1 58	2 33	1 6	5 21	1 32	10 55	1 16	15 3	0 35	19 45	1 31	8 6	0 32	13 40	1 51	30 7	15 30	6 46	7 22	13 0		n.a.
S 9	4 5	9 26	2 55	2 56	1 21	4 51	1 32	10 41	1 16	15 7	0 35	19 44	1 31	8 5	0 32	13 40	1 51	30 7	15 30	6 47	7 24	13 3		n.a.
M10	4 29	14 40	3 45	3 13	1 34	4 20	1 32	10 26	1 16	15 12	0 35	19 44	1 31	8 4	0 32	13 39	1 51	30 7	15 30	6 49	7 25	13 6		n.a.
T 11	4 53	19 22	4 25	3 23	1 45	3 50	1 32	10 12	1 16	15 16	0 35	19 44	1 32	8 3	0 32	13 39	1 51	30 7	15 29	6 51	7 26	13 9		n.a.
W12	5 17	23 20	4 53	3 28	1 55	3 20	1 31	9 57	1 16	15 20	0 35	19 43	1 32	8 2	0 32	13 38	1 51	30 7	15 29	6 53	7 27	13 12		n.a.
T 13	5 41	26 21	5 9	3 27	2 2	2 49	1 31	9 43	1 16	15 24	0 35	19 43	1 32	8 1	0 32	13 38	1 51	30 7	15 29	6 55	7 29	13 15		n.a.
F 14	6 5	28 13	5 11	3 20	2 8	2 18	1 30	9 28	1 16	15 28	0 35	19 42	1 32	8 0	0 32	13 37	1 52	30 7	15 29	6 57	7 30	13 18		n.a.
S 15	6 28	28 44	4 59	3 9	2 13	1 47	1 30	9 14	1 16	15 32	0 35	19 42	1 32	7 59	0 32	13 37	1 52	30 7	15 28	6 58	7 31	13 21		n.a.
S 16	6 52	27 47	4 33	2 53	2 16	1 16	1 29	8 59	1 16	15 36	0 34	19 41	1 32	7 58	0 32	13 37	1 52	30 6	15 28	6 59	7 32	13 24		n.a.
M17	7 15	25 22	3 53	2 34	2 18	0 45	1 28	8 44	1 16	15 40	0 34	19 41	1 32	7 57	0 32	13 36	1 52	30 6	15 28	6 59	7 33	13 27		n.a.
T 18	7 39	21 32	2 59	2 11	2 19	0 14	1 28	8 29	1 16	15 44	0 34	19 40	1 32	7 56	0 32	13 36	1 52	30 6	15 27	6 59	7 35	13 30		n.a.
W19	8 2	16 26	1 54	1 45	2 19	0s17	1 27	8 14	1 16	15 48	0 34	19 39	1 32	7 55	0 32	13 35	1 52	30 6	15 27	6 58	7 36	13 33		n.a.
T 20	8 25	10 19	0 39	1 16	2 18	0 48	1 26	7 59	1 16	15 52	0 34	19 39	1 32	7 54	0 32	13 34	1 52	30 6	15 27	6 57	7 37	13 36		n.a.
F 21	8 48	3 28	0s40	0 45	2 16	1 19	1 25	7 44	1 15	15 56	0 34	19 38	1 32	7 54	0 32	13 34	1 52	30 6	15 26	6 57	7 38	13 40		n.a.
S 22	9 11	3s43	1 58	0 13	2 14	1 50	1 24	7 29	1 15	16 0	0 34	19 38	1 32	7 53	0 32	13 33	1 52	30 6	15 26	6 58	7 40	13 43		n.a.
S 23	9 34	10 49	3 9	0s22	2 10	2 21	1 23	7 14	1 15	16 4	0 33	19 37	1 32	7 52	0 32	13 33	1 52	30 6	15 26	7 0	7 41	13 46		n.a.
M24	9 56	17 19	4 7	0 57	2 7	2 52	1 22	6 59	1 15	16 8	0 33	19 36	1 32	7 51	0 32	13 32	1 52	30 5	15 26	7 2	7 42	13 49		n.a.
T 25	10 19	22 42	4 47	1 34	2 2	3 23	1 21	6 44	1 15	16 12	0 33	19 36	1 32	7 50	0 32	13 32	1 52	30 5	15 25	7 5	7 43	13 52		n.a.
W26	10 41	26 31	5 6	2 12	1 58	3 54	1 19	6 29	1 15	16 16	0 33	19 35	1 32	7 49	0 32	13 31	1 52	30 5	15 25	7 7	7 44	13 55		n.a.
T 27	11 3	28 27	5 5	2 51	1 53	4 25	1 18	6 13	1 15	16 20	0 33	19 34	1 32	7 48	0 32	13 31	1 52	30 5	15 25	7 10	7 46	13 58		n.a.
F 28	11 25	28 26	4 46	3 30	1 47	4 55	1 17	5 58	1 15	16 24	0 33	19 34	1 32	7 47	0 32	13 30	1 52	30 5	15 24	7 12	7 47	14 1		n.a.
S 29	11 47	26 41	4 10	4 10	1 41	5 26	1 15	5 43	1 15	16 28	0 33	19 33	1 32	7 46	0 32	13 30	1 52	30 4	15 24	7 13	7 48	14 4		n.a.
S 30	12 8	23 30	3 23	4 50	1 36	5 57	1 14	5 27	1 15	16 32	0 33	19 32	1 32	7 45	0 32	13 29	1 52	30 4	15 24	7 13	7 49	14 7		n.a.
M31	12s29	19s16	2s26	5s31	1n29	6s27	1n12	5n12	1n15	16s36	0n33	19n31	1s32	7n44	0s32	13n29	1s52	30s 4	15s23	7s13	7s51	14n10		n.a.

Julian Day Number = 1570482.5, Delta T = 04h18m02s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'45, Lahiri = - 9°39'45 Julian Calendar 1 Oct. 414 BCE == Greg. Calendar 26 Sept. 414 BCE

The year -413 astronomical counting style corresponds to year 414 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

NOVEMBER 414 BCE (-413) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 17 46	3♏30'00	26♒ 3	18♎50	20♎21	20♍32	17♏12	2°R56	20°R47	10°R44	18°R20	11♓51	10♓ 9	27♈26	n.a.	T 1
W 2	2 21 42	4°31'02	8♓13	20°21	21°36	21°11	17°26	2♊52	20♈44	10♉43	18♒20	11°R52	10° 5	27°33	n.a.	W 2
T 3	2 25 39	5°32'04	20°12	21°53	22°52	21°49	17°39	2°48	20°42	10°41	18°20	11°52	10° 2	27°39	n.a.	T 3
F 4	2 29 35	6°33'06	2♈ 4	23°24	24° 7	22°28	17°53	2°44	20°40	10°39	18°20	11°49	9°59	27°46	n.a.	F 4
S 5	2 33 32	7°34'10	13°54	24°56	25°23	23° 7	18° 7	2°40	20°37	10°38	18°20	11°44	9°56	27°53	n.a.	S 5
S 6	2 37 28	8°35'15	25°43	26°28	26°38	23°45	18°20	2°35	20°35	10°36	18°20	11°37	9°53	28° 0	n.a.	S 6
M 7	2 41 25	9°36'20	7♉35	28° 1	27°54	24°24	18°34	2°31	20°32	10°34	18°19	11°27	9°49	28° 6	n.a.	M 7
T 8	2 45 22	10°37'26	19°29	29°33	29°10	25° 2	18°48	2°27	20°30	10°33	18°D19	11°15	9°46	28°13	n.a.	T 8
W 9	2 49 18	11°38'33	1♊29	1♏ 6	0♏25	25°41	19° 1	2°22	20°28	10°31	18°20	11° 3	9°43	28°20	n.a.	W 9
T 10	2 53 15	12°39'42	13°34	2°39	1°41	26°20	19°15	2°18	20°26	10°29	18°20	10°51	9°40	28°26	n.a.	T 10
F 11	2 57 11	13°40'50	25°47	4°11	2°56	26°58	19°29	2°13	20°23	10°27	18°20	10°41	9°37	28°33	n.a.	F 11
S 12	3 1 8	14°42'00	8♋10	5°44	4°12	27°37	19°42	2° 8	20°21	10°26	18°20	10°32	9°34	28°40	n.a.	S 12
S 13	3 5 4	15°43'11	20°44	7°18	5°27	28°15	19°56	2° 4	20°19	10°24	18°20	10°27	9°30	28°46	n.a.	S 13
M14	3 9 1	16°44'23	3♌34	8°51	6°43	28°54	20°10	1°59	20°17	10°22	18°20	10°24	9°27	28°53	n.a.	M14
T 15	3 12 58	17°45'35	16°41	10°24	7°59	29°33	20°24	1°54	20°15	10°21	18°20	10°D23	9°24	29° 0	n.a.	T 15
W16	3 16 54	18°46'48	0♍10	11°58	9°14	0♎11	20°38	1°50	20°12	10°19	18°20	10°23	9°21	29° 6	n.a.	W16
T 17	3 20 51	19°48'02	14° 3	13°31	10°30	0°50	20°51	1°45	20°10	10°17	18°21	10°R23	9°18	29°13	n.a.	T 17
F 18	3 24 47	20°49'17	28°21	15° 5	11°45	1°28	21° 5	1°40	20° 8	10°16	18°21	10°22	9°15	29°20	n.a.	F 18
S 19	3 28 44	21°50'32	13♎ 3	16°39	13° 1	2° 7	21°19	1°35	20° 6	10°14	18°21	10°19	9°11	29°27	n.a.	S 19
S 20	3 32 40	22°51'48	28° 3	18°13	14°17	2°46	21°33	1°30	20° 4	10°12	18°21	10°12	9° 8	29°33	n.a.	S 20
M21	3 36 37	23°53'05	13♏15	19°48	15°32	3°24	21°46	1°25	20° 2	10°11	18°22	10° 3	9° 5	29°40	n.a.	M21
T 22	3 40 33	24°54'22	28°28	21°22	16°48	4° 3	22° 0	1°20	20° 0	10° 9	18°22	9°52	9° 2	29°47	n.a.	T 22
W23	3 44 30	25°55'40	13♐30	22°57	18° 3	4°42	22°14	1°15	19°58	10° 7	18°22	9°40	8°59	29°53	n.a.	W23
T 24	3 48 27	26°56'57	28°13	24°32	19°19	5°20	22°28	1°10	19°57	10° 6	18°23	9°29	8°55	0♉ 0	n.a.	T 24
F 25	3 52 23	27°58'15	12♑29	26° 7	20°34	5°59	22°42	1° 5	19°55	10° 4	18°23	9°21	8°52	0° 7	n.a.	F 25
S 26	3 56 20	28°59'32	26°16	27°42	21°50	6°37	22°55	1° 0	19°53	10° 2	18°24	9°14	8°49	0°13	n.a.	S 26
S 27	4 0 16	0♐ 0'49	9♒32	29°18	23° 6	7°16	23° 9	0°55	19°51	10° 1	18°24	9°11	8°46	0°20	n.a.	S 27
M28	4 4 13	1° 2'06	22°21	0♐54	24°21	7°55	23°23	0°50	19°49	9°59	18°25	9° 9	8°43	0°27	n.a.	M28
T 29	4 8 9	2° 3'23	4♓47	2°30	25°37	8°33	23°37	0°45	19°48	9°58	18°25	9° 9	8°40	0°33	n.a.	T 29
W30	4 12 6	3♐ 4'39	16♓56	4♐ 7	26♏52	9♎12	23♏50	0♊40	19♈46	9♉56	18♒26	9♓ 9	8♓36	0♉40	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s51	14s19	1s24	6s12	1n23	6s57	1n11	4n57	1n15	16s40	0n32	19n31	1s32	7n43	0s32	13n28	1s52	30s 4	15s23	7s12	7s52	14n13		n.a.
W 2	13 11	8 54	0 20	6 52	1 17	7 27	1 9	4 41	1 15	16 44	0 32	19 30	1 32	7 42	0 32	13 28	1 52	30 3	15 23	7 12	7 53	14 16		n.a.
T 3	13 32	3 15	0n45	7 33	1 10	7 57	1 8	4 26	1 15	16 48	0 32	19 29	1 32	7 41	0 32	13 27	1 52	30 3	15 22	7 12	7 54	14 19		n.a.
F 4	13 53	2n27	1 46	8 13	1 3	8 27	1 6	4 10	1 15	16 52	0 32	19 28	1 32	7 41	0 32	13 27	1 52	30 3	15 22	7 13	7 55	14 22		n.a.
S 5	14 13	8 3	2 43	8 54	0 57	8 57	1 4	3 55	1 15	16 56	0 32	19 27	1 32	7 40	0 32	13 26	1 52	30 3	15 22	7 15	7 57	14 25		n.a.
S 6	14 33	13 21	3 32	9 34	0 50	9 26	1 2	3 39	1 15	17 0	0 32	19 27	1 32	7 39	0 32	13 26	1 52	30 2	15 21	7 18	7 58	14 28		n.a.
M 7	14 53	18 11	4 13	10 14	0 43	9 55	1 1	3 24	1 15	17 4	0 32	19 26	1 32	7 38	0 32	13 25	1 52	30 2	15 21	7 22	7 59	14 31		n.a.
T 8	15 12	22 20	4 42	10 54	0 36	10 24	0 59	3 8	1 14	17 8	0 32	19 25	1 32	7 37	0 32	13 24	1 52	30 2	15 21	7 26	8 0	14 34		n.a.
W 9	15 31	25 36	4 59	11 33	0 29	10 53	0 57	2 52	1 14	17 12	0 32	19 24	1 32	7 36	0 32	13 24	1 52	30 1	15 20	7 31	8 1	14 37		n.a.
T 10	15 50	27 44	5 3	12 12	0 22	11 21	0 55	2 37	1 14	17 16	0 31	19 23	1 32	7 35	0 32	13 23	1 52	30 1	15 20	7 35	8 3	14 40		n.a.
F 11	16 9	28 33	4 53	12 50	0 16	11 49	0 53	2 21	1 14	17 19	0 31	19 22	1 32	7 35	0 32	13 23	1 52	30 1	15 20	7 39	8 4	14 43		n.a.
S 12	16 27	27 58	4 29	13 28	0 9	12 17	0 51	2 5	1 14	17 23	0 31	19 21	1 32	7 34	0 32	13 22	1 52	30 0	15 19	7 43	8 5	14 46		n.a.
S 13	16 45	25 57	3 52	14 5	0 2	12 45	0 49	1 50	1 14	17 27	0 31	19 21	1 32	7 33	0 32	13 22	1 52	30 0	15 19	7 45	8 6	14 49		n.a.
M14	17 3	22 34	3 3	14 42	0s 5	13 12	0 47	1 34	1 14	17 31	0 31	19 20	1 32	7 32	0 32	13 21	1 52	30 0	15 19	7 46	8 7	14 52		n.a.
T 15	17 21	17 59	2 2	15 19	0 11	13 39	0 45	1 18	1 14	17 35	0 31	19 19	1 32	7 31	0 32	13 21	1 52	29 59	15 18	7 46	8 9	14 55		n.a.
W16	17 38	12 24	0 54	15 54	0 18	14 5	0 42	1 3	1 14	17 39	0 31	19 18	1 32	7 30	0 32	13 20	1 52	29 59	15 18	7 46	8 10	14 58		n.a.
T 17	17 55	6 3	0s19	16 29	0 24	14 31	0 40	0 47	1 13	17 42	0 31	19 17	1 32	7 30	0 32	13 20	1 52	29 59	15 18	7 46	8 11	15 1		n.a.
F 18	18 11	0s46	1 34	17 4	0 31	14 57	0 38	0 31	1 13	17 46	0 31	19 16	1 32	7 29	0 32	13 19	1 52	29 58	15 17	7 47	8 12	15 4		n.a.
S 19	18 28	7 43	2 44	17 37	0 37	15 23	0 36	0 16	1 13	17 50	0 31	19 15	1 32	7 28	0 32	13 19	1 52	29 58	15 17	7 48	8 14	15 7		n.a.
S 20	18 44	14 24	3 44	18 10	0 43	15 48	0 34	0 0	1 13	17 54	0 30	19 14	1 31	7 27	0 32	13 18	1 52	29 57	15 17	7 50	8 15	15 10		n.a.
M21	18 59	20 17	4 29	18 42	0 49	16 12	0 31	0s16	1 13	17 57	0 30	19 13	1 31	7 27	0 32	13 18	1 52	29 57	15 16	7 54	8 16	15 13		n.a.
T 22	19 14	24 52	4 55	19 13	0 55	16 36	0 29	0 31	1 13	18 1	0 30	19 12	1 31	7 26	0 32	13 17	1 52	29 57	15 16	7 58	8 17	15 16		n.a.
W23	19 29	27 41	5 0	19 44	1 1	17 0	0 27	0 47	1 13	18 5	0 30	19 11	1 31	7 25	0 32	13 17	1 52	29 56	15 16	8 3	8 18	15 18		n.a.
T 24	19 44	28 29	4 45	20 13	1 6	17 23	0 24	1 2	1 12	18 8	0 30	19 10	1 31	7 25	0 32	13 16	1 51	29 56	15 15	8 7	8 20	15 21		n.a.
F 25	19 58	27 21	4 13	20 42	1 12	17 46	0 22	1 18	1 12	18 12	0 30	19 9	1 31	7 24	0 31	13 16	1 51	29 55	15 15	8 10	8 21	15 24		n.a.
S 26	20 11	24 32	3 26	21 9	1 17	18 9	0 20	1 34	1 12	18 15	0 30	19 8	1 31	7 23	0 31	13 15	1 51	29 55	15 15	8 12	8 22	15 27		n.a.
S 27	20 25	20 30	2 30	21 36	1 22	18 30	0 17	1 49	1 12	18 19	0 30	19 8	1 31	7 23	0 31	13 15	1 51	29 54	15 14	8 14	8 23	15 30		n.a.
M28	20 38	15 37	1 28	22 1	1 27	18 52	0 15	2 5	1 12	18 23	0 30	19 7	1 31	7 22	0 31	13 14	1 51	29 54	15 14	8 14	8 24	15 33		n.a.
T 29	20 50	10 14	0 23	22 25	1 32	19 12	0 13	2 21	1 11	18 26	0 30	19 6	1 31	7 21	0 31	13 14	1 51	29 53	15 14	8 14	8 26	15 36		n.a.
W30	21s 3	4s35	0n41	22s49	1s36	19s33	0n10	2s36	1n11	18s30	0n30	19n 5	1s31	7n21	0s31	13n13	1s51	29s53	15s13	8s15	8s27	15n39		n.a.

Julian Day Number = 1570513.5, Delta T = 04h18m01s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'41, Lahiri = - 9°39'41 Julian Calendar 1 Nov. 414 BCE == Greg. Calendar 27 Oct. 414 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 414 BCE
geocentric

DECEMBER 414 BCE (-413) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 16 2	4♐ 5'55	28♓54	5♐44	28♏ 8	9♎50	24♏ 4	0°R35	19°R44	9°R55	18♒26	9°R 8	8♓33	0♉47	n.a.	T 1
F 2	4 19 59	5° 7'11	10♈44	7°21	29°23	10°29	24°18	0♊30	19♈43	9♉53	18°27	9♓ 4	8°30	0°54	n.a.	F 2
S 3	4 23 56	6° 8'26	22°32	8°59	0♐39	11° 8	24°31	0°25	19°41	9°52	18°27	8°58	8°27	1° 0	n.a.	S 3
S 4	4 27 52	7° 9'41	4♉22	10°36	1°54	11°46	24°45	0°20	19°40	9°50	18°28	8°49	8°24	1° 7	n.a.	S 4
M 5	4 31 49	8°10'56	16°16	12°15	3°10	12°25	24°59	0°15	19°38	9°49	18°29	8°37	8°21	1°14	n.a.	M 5
T 6	4 35 45	9°12'10	28°18	13°53	4°25	13° 3	25°12	0°11	19°37	9°47	18°29	8°23	8°17	1°20	n.a.	T 6
W 7	4 39 42	10°13'24	10♊27	15°32	5°41	13°42	25°26	0° 6	19°36	9°46	18°30	8° 8	8°14	1°27	n.a.	W 7
T 8	4 43 38	11°14'38	22°45	17°12	6°56	14°20	25°39	0° 1	19°34	9°44	18°31	7°53	8°11	1°34	n.a.	T 8
F 9	4 47 35	12°15'51	5♋12	18°51	8°12	14°59	25°53	29♉56	19°33	9°43	18°31	7°40	8° 8	1°40	n.a.	F 9
S 10	4 51 32	13°17'04	17°49	20°31	9°27	15°38	26° 6	29°51	19°32	9°42	18°32	7°29	8° 5	1°47	n.a.	S 10
S 11	4 55 28	14°18'17	0♌36	22°12	10°42	16°16	26°20	29°46	19°31	9°40	18°33	7°22	8° 1	1°54	n.a.	S 11
M12	4 59 25	15°19'29	13°35	23°52	11°58	16°55	26°33	29°42	19°30	9°39	18°34	7°18	7°58	2° 1	n.a.	M12
T 13	5 3 21	16°20'41	26°47	25°33	13°13	17°33	26°47	29°37	19°29	9°38	18°35	7°16	7°55	2° 7	n.a.	T 13
W14	5 7 18	17°21'53	10♍14	27°14	14°29	18°12	27° 0	29°32	19°28	9°36	18°35	7°16	7°52	2°14	n.a.	W14
T 15	5 11 14	18°23'05	23°59	28°55	15°44	18°51	27°13	29°28	19°27	9°35	18°36	7°16	7°49	2°21	n.a.	T 15
F 16	5 15 11	19°24'16	8♎ 2	0♏36	17° 0	19°29	27°27	29°23	19°26	9°34	18°37	7°14	7°46	2°27	n.a.	F 16
S 17	5 19 7	20°25'26	22°24	2°16	18°15	20° 8	27°40	29°19	19°25	9°33	18°38	7°11	7°42	2°34	n.a.	S 17
S 18	5 23 4	21°26'37	7♏ 2	3°57	19°30	20°46	27°53	29°14	19°24	9°32	18°39	7° 5	7°39	2°41	n.a.	S 18
M19	5 27 1	22°27'46	21°51	5°37	20°46	21°25	28° 7	29°10	19°23	9°30	18°40	6°56	7°36	2°47	n.a.	M19
T 20	5 30 57	23°28'56	6♐44	7°16	22° 1	22° 3	28°20	29° 5	19°22	9°29	18°41	6°46	7°33	2°54	n.a.	T 20
W21	5 34 54	24°30'04	21°31	8°55	23°16	22°42	28°33	29° 1	19°22	9°28	18°42	6°34	7°30	3° 1	n.a.	W21
T 22	5 38 50	25°31'12	6♑ 6	10°32	24°32	23°20	28°46	28°57	19°21	9°27	18°43	6°23	7°27	3° 8	n.a.	T 22
F 23	5 42 47	26°32'19	20°19	12° 8	25°47	23°59	28°59	28°53	19°21	9°26	18°44	6°14	7°23	3°14	n.a.	F 23
S 24	5 46 43	27°33'24	4♒ 6	13°41	27° 2	24°37	29°12	28°49	19°20	9°25	18°45	6° 7	7°20	3°21	n.a.	S 24
S 25	5 50 40	28°34'29	17°27	15°13	28°18	25°16	29°25	28°45	19°20	9°24	18°46	6° 3	7°17	3°28	n.a.	S 25
M26	5 54 37	29°35'32	0♓21	16°42	29°33	25°54	29°38	28°41	19°19	9°23	18°47	6°D 1	7°14	3°34	n.a.	M26
T 27	5 58 33	0♑36'33	12°52	18° 7	0♑48	26°33	29°51	28°37	19°19	9°22	18°48	6° 1	7°11	3°41	n.a.	T 27
W28	6 2 30	1°37'34	25° 5	19°29	2° 4	27°11	0♐ 3	28°33	19°18	9°21	18°49	6° 2	7° 7	3°48	n.a.	W28
T 29	6 6 26	2°38'33	7♈ 5	20°45	3°19	27°50	0°16	28°30	19°18	9°20	18°51	6°R 2	7° 4	3°54	n.a.	T 29
F 30	6 10 23	3°39'30	18°57	21°57	4°34	28°28	0°29	28°26	19°18	9°19	18°52	6° 1	7° 1	4° 1	n.a.	F 30
S 31	6 14 19	4♑40'26	0♉46	23♑ 2	5♑49	29♎ 6	0♐42	28♉22	19♈18	9♉19	18♒53	5♓57	6♓58	4♉ 8	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	21s14	1n 7	1n42	23s11	1s40	19s52	0n 8	2s52	1n11	18s33	0n30	19n 4	1s30	7n20	0s31	13n13	1s51	29s52	15s13	8s15	8s28	15n42		n.a.	T 1
F 2	21 26	6 44	2 39	23 31	1 44	20 11	0 5	3 7	1 11	18 37	0 29	19 3	1 30	7 20	0 31	13 13	1 51	29 52	15 13	8 16	8 29	15 45		n.a.	F 2
S 3	21 37	12 5	3 28	23 51	1 48	20 30	0 3	3 23	1 11	18 40	0 29	19 2	1 30	7 19	0 31	13 12	1 51	29 51	15 12	8 19	8 30	15 48		n.a.	S 3
S 4	21 47	17 1	4 8	24 9	1 51	20 48	0 1	3 38	1 10	18 44	0 29	19 1	1 30	7 18	0 31	13 12	1 51	29 51	15 12	8 22	8 32	15 51		n.a.	S 4
M 5	21 57	21 20	4 37	24 26	1 54	21 5	0s 2	3 53	1 10	18 47	0 29	19 0	1 30	7 18	0 31	13 11	1 51	29 50	15 12	8 27	8 33	15 53		n.a.	M 5
T 6	22 7	24 49	4 55	24 41	1 57	21 22	0 4	4 9	1 10	18 50	0 29	18 59	1 30	7 17	0 31	13 11	1 51	29 50	15 12	8 32	8 34	15 56		n.a.	T 6
W 7	22 16	27 14	4 59	24 55	1 59	21 38	0 7	4 24	1 10	18 54	0 29	18 58	1 30	7 17	0 31	13 10	1 51	29 49	15 11	8 38	8 35	15 59		n.a.	W 7
T 8	22 25	28 22	4 49	25 8	2 1	21 54	0 9	4 40	1 9	18 57	0 29	18 57	1 30	7 16	0 31	13 10	1 51	29 49	15 11	8 43	8 36	16 2		n.a.	T 8
F 9	22 33	28 4	4 26	25 18	2 2	22 8	0 11	4 55	1 9	19 0	0 29	18 56	1 29	7 16	0 31	13 10	1 51	29 48	15 11	8 48	8 38	16 5		n.a.	F 9
S 10	22 41	26 20	3 49	25 28	2 4	22 23	0 14	5 10	1 9	19 4	0 29	18 56	1 29	7 16	0 31	13 9	1 51	29 48	15 10	8 52	8 39	16 8		n.a.	S 10
S 11	22 49	23 13	3 0	25 35	2 4	22 36	0 16	5 25	1 9	19 7	0 29	18 55	1 29	7 15	0 31	13 9	1 51	29 47	15 10	8 55	8 40	16 11		n.a.	S 11
M12	22 56	18 54	2 2	25 41	2 5	22 49	0 18	5 41	1 8	19 10	0 29	18 54	1 29	7 15	0 31	13 8	1 51	29 47	15 10	8 57	8 41	16 14		n.a.	M12
T 13	23 2	13 36	0 55	25 45	2 5	23 1	0 21	5 56	1 8	19 13	0 29	18 53	1 29	7 14	0 31	13 8	1 51	29 46	15 9	8 57	8 42	16 16		n.a.	T 13
W14	23 8	7 35	0s16	25 47	2 4	23 13	0 23	6 11	1 8	19 17	0 29	18 52	1 29	7 14	0 31	13 8	1 51	29 46	15 9	8 57	8 44	16 19		n.a.	W14
T 15	23 14	1 5	1 27	25 47	2 3	23 23	0 25	6 26	1 8	19 20	0 28	18 51	1 29	7 14	0 31	13 7	1 51	29 45	15 9	8 57	8 45	16 22		n.a.	T 15
F 16	23 19	5s36	2 35	25 46	2 1	23 33	0 27	6 41	1 7	19 23	0 28	18 50	1 28	7 13	0 31	13 7	1 51	29 44	15 9	8 58	8 46	16 25		n.a.	F 16
S 17	23 24	12 8	3 35	25 42	1 59	23 43	0 30	6 56	1 7	19 26	0 28	18 50	1 28	7 13	0 31	13 7	1 51	29 44	15 8	8 59	8 47	16 28		n.a.	S 17
S 18	23 28	18 8	4 21	25 37	1 56	23 51	0 32	7 11	1 7	19 29	0 28	18 49	1 28	7 13	0 31	13 6	1 51	29 43	15 8	9 1	8 48	16 31		n.a.	S 18
M19	23 32	23 8	4 51	25 30	1 52	23 59	0 34	7 26	1 6	19 32	0 28	18 48	1 28	7 12	0 31	13 6	1 51	29 43	15 8	9 5	8 50	16 33		n.a.	M19
T 20	23 35	26 39	5 1	25 20	1 48	24 6	0 36	7 41	1 6	19 35	0 28	18 47	1 28	7 12	0 31	13 6	1 50	29 42	15 7	9 9	8 51	16 36		n.a.	T 20
W21	23 38	28 19	4 51	25 9	1 43	24 13	0 38	7 56	1 6	19 38	0 28	18 46	1 28	7 12	0 31	13 5	1 50	29 42	15 7	9 13	8 52	16 39		n.a.	W21
T 22	23 40	27 58	4 22	24 56	1 37	24 18	0 40	8 10	1 5	19 41	0 28	18 46	1 27	7 12	0 31	13 5	1 50	29 41	15 7	9 17	8 53	16 42		n.a.	T 22
F 23	23 42	25 46	3 37	24 41	1 30	24 23	0 43	8 25	1 5	19 44	0 28	18 45	1 27	7 12	0 31	13 5	1 50	29 40	15 7	9 21	8 54	16 45		n.a.	F 23
S 24	23 43	22 5	2 41	24 24	1 23	24 27	0 45	8 40	1 5	19 47	0 28	18 44	1 27	7 11	0 31	13 4	1 50	29 40	15 6	9 23	8 56	16 48		n.a.	S 24
S 25	23 44	17 21	1 37	24 6	1 14	24 31	0 47	8 54	1 4	19 50	0 28	18 44	1 27	7 11	0 31	13 4	1 50	29 39	15 6	9 25	8 57	16 50		n.a.	S 25
M26	23 45	11 58	0 30	23 46	1 5	24 33	0 49	9 9	1 4	19 53	0 28	18 43	1 27	7 11	0 31	13 4	1 50	29 39	15 6	9 25	8 58	16 53		n.a.	M26
T 27	23 45	6 15	0n36	23 25	0 55	24 35	0 50	9 23	1 3	19 56	0 28	18 42	1 26	7 11	0 31	13 4	1 50	29 38	15 6	9 25	8 59	16 56		n.a.	T 27
W28	23 44	0 27	1 40	23 2	0 44	24 36	0 52	9 37	1 3	19 58	0 28	18 42	1 26	7 11	0 30	13 3	1 50	29 37	15 6	9 25	9 0	16 59		n.a.	W28
T 29	23 43	5n15	2 38	22 39	0 32	24 37	0 54	9 52	1 3	20 1	0 28	18 41	1 26	7 11	0 30	13 3	1 50	29 37	15 5	9 25	9 2	17 2		n.a.	T 29
F 30	23 42	10 43	3 28	22 14	0 19	24 36	0 56	10 6	1 2	20 4	0 27	18 40	1 26	7 11	0 30	13 3	1 50	29 36	15 5	9 25	9 3	17 4		n.a.	F 30
S 31	23s40	15n46	4n 9	21s50	0s 5	24s35	0s58	10s20	1n 2	20s 7	0n27	18n40	1s26	7n11	0s30	13n 3	1s50	29s36	15s 5	9s27	9s 4	17n 7		n.a.	S 31

Julian Day Number = 1570543.5, Delta T = 04h18m00s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'37, Lahiri = - 9°39'37 Julian Calendar 1 Dec. 414 BCE == Greg. Calendar 26 Nov. 414 BCE

The year -413 astronomical counting style corresponds to year 414 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

JANUARY 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 18 16	5♑41'21	12♉38	24♑ 1	7♑ 5	29♎45	0♐54	28°R19	19°R18	9°R18	18♒54	5°R51	6♓55	4♉15	n.a.	S 1
M 2	6 22 12	6°42'14	24°36	24°51	8°20	0♏23	1° 7	28♉16	19°D18	9♉17	18°55	5♓42	6°52	4°21	n.a.	M 2
T 3	6 26 9	7°43'06	6♊43	25°34	9°35	1° 1	1°19	28°12	19♈18	9°16	18°56	5°32	6°48	4°28	n.a.	T 3
W 4	6 30 6	8°43'56	19° 2	26° 7	10°50	1°40	1°31	28° 9	19°18	9°16	18°58	5°21	6°45	4°35	n.a.	W 4
T 5	6 34 2	9°44'45	1♋33	26°30	12° 5	2°18	1°44	28° 6	19°18	9°15	18°59	5°10	6°42	4°41	n.a.	T 5
F 6	6 37 59	10°45'32	14°17	26°42	13°21	2°57	1°56	28° 3	19°18	9°14	19° 0	5° 0	6°39	4°48	n.a.	F 6
S 7	6 41 55	11°46'18	27°14	26°R44	14°36	3°35	2° 8	28° 0	19°18	9°14	19° 1	4°53	6°36	4°55	n.a.	S 7
S 8	6 45 52	12°47'03	10♌22	26°35	15°51	4°13	2°20	27°57	19°18	9°13	19° 3	4°47	6°33	5° 1	n.a.	S 8
M 9	6 49 48	13°47'46	23°42	26°15	17° 6	4°51	2°32	27°55	19°19	9°12	19° 4	4°45	6°29	5° 8	n.a.	M 9
T 10	6 53 45	14°48'28	7♍11	25°45	18°21	5°30	2°44	27°52	19°19	9°12	19° 5	4°D44	6°26	5°15	n.a.	T 10
W11	6 57 41	15°49'09	20°52	25° 5	19°36	6° 8	2°56	27°49	19°20	9°11	19° 7	4°45	6°23	5°22	n.a.	W11
T 12	7 1 38	16°49'48	4♎42	24°17	20°51	6°46	3° 8	27°47	19°20	9°11	19° 8	4°46	6°20	5°28	n.a.	T 12
F 13	7 5 35	17°50'26	18°43	23°21	22° 6	7°24	3°20	27°45	19°21	9°11	19° 9	4°R47	6°17	5°35	n.a.	F 13
S 14	7 9 31	18°51'02	2♏53	22°19	23°21	8° 3	3°31	27°43	19°21	9°10	19°11	4°46	6°13	5°42	n.a.	S 14
S 15	7 13 28	19°51'38	17°11	21°14	24°36	8°41	3°43	27°40	19°22	9°10	19°12	4°43	6°10	5°48	n.a.	S 15
M16	7 17 24	20°52'12	1♐35	20° 6	25°51	9°19	3°55	27°38	19°22	9°10	19°14	4°38	6° 7	5°55	n.a.	M16
T 17	7 21 21	21°52'45	15°59	18°57	27° 6	9°57	4° 6	27°37	19°23	9° 9	19°15	4°32	6° 4	6° 2	n.a.	T 17
W18	7 25 17	22°53'16	0♑19	17°50	28°21	10°35	4°17	27°35	19°24	9° 9	19°16	4°25	6° 1	6° 9	n.a.	W18
T 19	7 29 14	23°53'46	14°28	16°46	29°36	11°14	4°29	27°33	19°25	9° 9	19°18	4°18	5°58	6°15	n.a.	T 19
F 20	7 33 11	24°54'13	28°22	15°45	0♒51	11°52	4°40	27°32	19°26	9° 9	19°19	4°12	5°54	6°22	n.a.	F 20
S 21	7 37 7	25°54'39	11♒58	14°51	2° 6	12°30	4°51	27°30	19°27	9° 9	19°21	4° 8	5°51	6°29	n.a.	S 21
S 22	7 41 4	26°55'03	25°11	14° 2	3°21	13° 8	5° 2	27°29	19°28	9° 8	19°22	4° 6	5°48	6°35	n.a.	S 22
M23	7 45 0	27°55'25	8♓ 3	13°20	4°36	13°46	5°13	27°27	19°29	9° 8	19°24	4°D 6	5°45	6°42	n.a.	M23
T 24	7 48 57	28°55'45	20°36	12°45	5°51	14°24	5°24	27°26	19°30	9° 8	19°25	4° 7	5°42	6°49	n.a.	T 24
W25	7 52 53	29°56'03	2♈51	12°18	7° 6	15° 2	5°34	27°25	19°31	9°D 8	19°26	4° 9	5°39	6°55	n.a.	W25
T 26	7 56 50	0♒56'19	14°54	11°57	8°21	15°40	5°45	27°24	19°32	9° 8	19°28	4°10	5°35	7° 2	n.a.	T 26
F 27	8 0 46	1°56'32	26°48	11°44	9°35	16°17	5°55	27°24	19°33	9° 8	19°29	4°R11	5°32	7° 9	n.a.	F 27
S 28	8 4 43	2°56'44	8♉40	11°D38	10°50	16°55	6° 6	27°23	19°35	9° 8	19°31	4°11	5°29	7°16	n.a.	S 28
S 29	8 8 39	3°56'53	20°33	11°39	12° 5	17°33	6°16	27°22	19°36	9° 9	19°32	4°10	5°26	7°22	n.a.	S 29
M30	8 12 36	4°57'00	2♊33	11°46	13°20	18°11	6°26	27°22	19°37	9° 9	19°34	4° 7	5°23	7°29	n.a.	M30
T 31	8 16 33	5♒57'05	14♊43	11♑59	14♒35	18♏49	6♐36	27♉22	19♈39	9♉ 9	19♒35	4♓ 3	5♓19	7♉36	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	23s37	20n16	4n40	21s25	0n10	24s33	1s 0	10s34	1n 1	20s 9	0n27	18n39	1s25	7n11	0s30	13n 3	1s50	29s35	15s 5	9s29		9s 5		17n10			n.a.
M 2	23 34	23 59	4 58	21 1	0 26	24 30	1 1	10 48	1 1	20 12	0 27	18 39	1 25	7 11	0 30	13 2	1 50	29 34	15 4	9 32		9 6		17 13			n.a.
T 3	23 31	26 42	5 4	20 37	0 42	24 26	1 3	11 2	1 0	20 15	0 27	18 38	1 25	7 11	0 30	13 2	1 50	29 34	15 4	9 36		9 8		17 15			n.a.
W 4	23 27	28 12	4 56	20 14	0 59	24 22	1 4	11 16	1 0	20 17	0 27	18 38	1 25	7 11	0 30	13 2	1 50	29 33	15 4	9 40		9 9		17 18			n.a.
T 5	23 23	28 17	4 33	19 52	1 16	24 17	1 6	11 30	1 0	20 20	0 27	18 37	1 25	7 11	0 30	13 2	1 50	29 33	15 4	9 44		9 10		17 21			n.a.
F 6	23 18	26 53	3 56	19 33	1 34	24 11	1 8	11 44	0 59	20 22	0 27	18 37	1 24	7 11	0 30	13 2	1 50	29 32	15 4	9 48		9 11		17 24			n.a.
S 7	23 13	24 2	3 7	19 15	1 52	24 5	1 9	11 57	0 59	20 25	0 27	18 36	1 24	7 11	0 30	13 2	1 49	29 31	15 3	9 51		9 12		17 27			n.a.
S 8	23 7	19 54	2 7	19 0	2 9	23 57	1 10	12 11	0 58	20 27	0 27	18 36	1 24	7 11	0 30	13 1	1 49	29 31	15 3	9 53		9 13		17 29			n.a.
M 9	23 1	14 43	0 59	18 47	2 26	23 49	1 12	12 24	0 58	20 30	0 27	18 35	1 24	7 11	0 30	13 1	1 49	29 30	15 3	9 54		9 15		17 32			n.a.
T 10	22 55	8 47	0s13	18 37	2 42	23 41	1 13	12 38	0 57	20 32	0 27	18 35	1 24	7 12	0 30	13 1	1 49	29 30	15 3	9 54		9 16		17 35			n.a.
W11	22 48	2 21	1 26	18 29	2 57	23 31	1 14	12 51	0 57	20 35	0 27	18 35	1 23	7 12	0 30	13 1	1 49	29 29	15 3	9 54		9 17		17 37			n.a.
T 12	22 40	4s15	2 34	18 24	3 11	23 21	1 15	13 4	0 56	20 37	0 27	18 34	1 23	7 12	0 30	13 1	1 49	29 28	15 3	9 53		9 18		17 40			n.a.
F 13	22 32	10 43	3 34	18 22	3 23	23 10	1 17	13 17	0 55	20 39	0 27	18 34	1 23	7 12	0 30	13 1	1 49	29 28	15 2	9 53		9 19		17 43			n.a.
S 14	22 24	16 43	4 22	18 23	3 32	22 58	1 18	13 30	0 55	20 42	0 27	18 34	1 23	7 12	0 30	13 1	1 49	29 27	15 2	9 53		9 21		17 46			n.a.
S 15	22 15	21 52	4 54	18 25	3 40	22 46	1 19	13 43	0 54	20 44	0 27	18 33	1 22	7 13	0 30	13 1	1 49	29 27	15 2	9 54		9 22		17 48			n.a.
M16	22 6	25 46	5 8	18 30	3 46	22 33	1 20	13 56	0 54	20 46	0 27	18 33	1 22	7 13	0 30	13 1	1 49	29 26	15 2	9 56		9 23		17 51			n.a.
T 17	21 57	28 1	5 2	18 37	3 49	22 19	1 21	14 9	0 53	20 48	0 26	18 33	1 22	7 13	0 30	13 1	1 49	29 25	15 2	9 58		9 24		17 54			n.a.
W18	21 47	28 23	4 38	18 45	3 49	22 5	1 21	14 21	0 53	20 51	0 26	18 33	1 22	7 14	0 30	13 1	1 49	29 25	15 2	10 1		9 25		17 56			n.a.
T 19	21 36	26 52	3 56	18 55	3 48	21 50	1 22	14 34	0 52	20 53	0 26	18 33	1 22	7 14	0 30	13 1	1 49	29 24	15 1	10 3		9 27		17 59			n.a.
F 20	21 25	23 43	3 2	19 5	3 44	21 34	1 23	14 46	0 51	20 55	0 26	18 32	1 21	7 14	0 30	13 1	1 49	29 24	15 1	10 6		9 28		18 2			n.a.
S 21	21 14	19 18	1 57	19 17	3 39	21 18	1 24	14 59	0 51	20 57	0 26	18 32	1 21	7 15	0 30	13 1	1 49	29 23	15 1	10 7		9 29		18 5			n.a.
S 22	21 3	14 3	0 48	19 29	3 32	21 1	1 24	15 11	0 50	20 59	0 26	18 32	1 21	7 15	0 30	13 1	1 48	29 22	15 1	10 8		9 30		18 7			n.a.
M23	20 51	8 19	0n22	19 42	3 24	20 44	1 25	15 23	0 49	21 1	0 26	18 32	1 21	7 16	0 30	13 1	1 48	29 22	15 1	10 8		9 31		18 10			n.a.
T 24	20 38	2 25	1 29	19 54	3 14	20 26	1 25	15 35	0 49	21 3	0 26	18 32	1 20	7 16	0 30	13 1	1 48	29 21	15 1	10 8		9 32		18 13			n.a.
W25	20 26	3n27	2 30	20 7	3 4	20 7	1 26	15 47	0 48	21 5	0 26	18 32	1 20	7 17	0 30	13 1	1 48	29 21	15 1	10 7		9 34		18 15			n.a.
T 26	20 12	9 5	3 24	20 21	2 52	19 48	1 26	15 59	0 47	21 7	0 26	18 32	1 20	7 17	0 30	13 1	1 48	29 20	15 1	10 6		9 35		18 18			n.a.
F 27	19 59	14 19	4 9	20 33	2 40	19 28	1 26	16 11	0 47	21 9	0 26	18 32	1 20	7 18	0 29	13 1	1 48	29 19	15 1	10 6		9 36		18 21			n.a.
S 28	19 45	19 1	4 42	20 46	2 28	19 7	1 27	16 22	0 46	21 11	0 26	18 32	1 19	7 18	0 29	13 1	1 48	29 19	15 1	10 6		9 37		18 23			n.a.
S 29	19 31	22 59	5 4	20 59	2 16	18 47	1 27	16 34	0 45	21 12	0 26	18 32	1 19	7 19	0 29	13 1	1 48	29 18	15 0	10 6		9 38		18 26			n.a.
M30	19 16	26 2	5 13	21 11	2 3	18 25	1 27	16 45	0 44	21 14	0 26	18 33	1 19	7 19	0 29	13 1	1 48	29 18	15 0	10 7		9 40		18 29			n.a.
T 31	19s 2	27n57	5n 7	21s22	1n50	18s 3	1s27	16s56	0n44	21s16	0n26	18n33	1s19	7n20	0s29	13n 2	1s48	29s17	15s 0	10s 9		9s41		18n31			n.a.

Julian Day Number = 1570574.5, Delta T = 04h17m59s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'33, Lahiri = - 9°39'32 Julian Calendar 1 Jan. 413 BCE == Greg. Calendar 27 Dec. 414 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

FEBRUARY 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 20 29	6♒57'08	27♊ 7	12♉17	15♒49	19♏26	6♐46	27°R21	19♈40	9♉ 9	19♒37	3°R59	5♓16	7♉42	n.a.	W 1
T 2	8 24 26	7°57'08	9♋48	12°41	17° 4	20° 4	6°56	27°D21	19°42	9° 9	19°39	3♓54	5°13	7°49	n.a.	T 2
F 3	8 28 22	8°57'07	22°46	13°10	18°19	20°42	7° 6	27♉21	19°43	9°10	19°40	3°50	5°10	7°56	n.a.	F 3
S 4	8 32 19	9°57'03	6♌ 1	13°43	19°33	21°20	7°16	27°21	19°45	9°10	19°42	3°47	5° 7	8° 3	n.a.	S 4
S 5	8 36 15	10°56'57	19°33	14°21	20°48	21°57	7°25	27°22	19°47	9°11	19°43	3°46	5° 4	8° 9	n.a.	S 5
M 6	8 40 12	11°56'49	3♍18	15° 3	22° 3	22°35	7°35	27°22	19°48	9°11	19°45	3°D45	5° 0	8°16	n.a.	M 6
T 7	8 44 8	12°56'39	17°15	15°48	23°17	23°12	7°44	27°23	19°50	9°11	19°46	3°45	4°57	8°23	n.a.	T 7
W 8	8 48 5	13°56'27	1♎20	16°37	24°32	23°50	7°53	27°23	19°52	9°12	19°48	3°47	4°54	8°29	n.a.	W 8
T 9	8 52 2	14°56'13	15°30	17°29	25°46	24°27	8° 2	27°24	19°54	9°12	19°49	3°48	4°51	8°36	n.a.	T 9
F 10	8 55 58	15°55'58	29°43	18°25	27° 1	25° 5	8°11	27°25	19°56	9°13	19°51	3°49	4°48	8°43	n.a.	F 10
S 11	8 59 55	16°55'41	13♏55	19°23	28°15	25°42	8°20	27°25	19°58	9°13	19°52	3°R50	4°45	8°50	n.a.	S 11
S 12	9 3 51	17°55'22	28° 6	20°24	29°30	26°20	8°29	27°26	20° 0	9°14	19°54	3°49	4°41	8°56	n.a.	S 12
M13	9 7 48	18°55'01	12♐12	21°27	0♓44	26°57	8°37	27°28	20° 2	9°15	19°56	3°48	4°38	9° 3	n.a.	M13
T 14	9 11 44	19°54'38	26°12	22°33	1°59	27°34	8°46	27°29	20° 4	9°15	19°57	3°47	4°35	9°10	n.a.	T 14
W15	9 15 41	20°54'14	10♑ 4	23°42	3°13	28°11	8°54	27°30	20° 6	9°16	19°59	3°45	4°32	9°16	n.a.	W15
T 16	9 19 37	21°53'47	23°44	24°52	4°28	28°49	9° 2	27°32	20° 8	9°17	20° 0	3°44	4°29	9°23	n.a.	T 16
F 17	9 23 34	22°53'19	7♒11	26° 4	5°42	29°26	9°10	27°33	20°10	9°18	20° 2	3°42	4°25	9°30	n.a.	F 17
S 18	9 27 31	23°52'48	20°24	27°19	6°56	0♐ 3	9°18	27°35	20°12	9°18	20° 3	3°41	4°22	9°36	n.a.	S 18
S 19	9 31 27	24°52'16	3♓20	28°35	8°11	0°40	9°26	27°37	20°15	9°19	20° 5	3°D41	4°19	9°43	n.a.	S 19
M20	9 35 24	25°51'40	16° 2	29°53	9°25	1°17	9°34	27°39	20°17	9°20	20° 6	3°41	4°16	9°50	n.a.	M20
T 21	9 39 20	26°51'03	28°28	1♒13	10°39	1°54	9°41	27°41	20°19	9°21	20° 8	3°42	4°13	9°57	n.a.	T 21
W22	9 43 17	27°50'24	10♈41	2°35	11°53	2°31	9°49	27°43	20°22	9°22	20° 9	3°43	4°10	10° 3	n.a.	W22
T 23	9 47 13	28°49'42	22°43	3°58	13° 8	3° 7	9°56	27°45	20°24	9°23	20°11	3°43	4° 6	10°10	n.a.	T 23
F 24	9 51 10	29°48'57	4♉38	5°23	14°22	3°44	10° 3	27°47	20°26	9°24	20°13	3°44	4° 3	10°17	n.a.	F 24
S 25	9 55 6	0♓48'11	16°31	6°49	15°36	4°21	10°10	27°50	20°29	9°25	20°14	3°44	4° 0	10°23	n.a.	S 25
S 26	9 59 3	1°47'22	28°24	8°17	16°50	4°57	10°17	27°52	20°32	9°26	20°16	3°R44	3°57	10°30	n.a.	S 26
M27	10 3 0	2°46'30	10♊23	9°47	18° 4	5°34	10°23	27°55	20°34	9°27	20°17	3°44	3°54	10°37	n.a.	M27
T 28	10 6 56	3°45'36	22°33	11°18	19°18	6°10	10°30	27°58	20°37	9°28	20°19	3°D44	3°51	10°44	n.a.	T 28
W29	10 10 53	4♓44'40	4♋58	12♒50	20♓32	6♐47	10♐36	28♉ 1	20♈39	9♉29	20♒20	3♓44	3♓47	10♉50	n.a.	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s46	28n31	4n48	21s33	1n37	17s41	1s27	17s 8	0n43	21s18	0n26	18n33	1s19	7n20	0s29	13n 2	1s48	29s16	15s 0	10s10	9s42	18n34		n.a.
T 2	18 31	27 36	4 14	21 44	1 25	17 18	1 27	17 19	0 42	21 20	0 26	18 33	1 18	7 21	0 29	13 2	1 48	29 16	15 0	10 12	9 43	18 36		n.a.
F 3	18 15	25 11	3 26	21 53	1 12	16 54	1 27	17 30	0 41	21 21	0 26	18 33	1 18	7 22	0 29	13 2	1 48	29 15	15 0	10 14	9 44	18 39		n.a.
S 4	17 59	21 22	2 27	22 2	1 0	16 30	1 26	17 40	0 41	21 23	0 26	18 34	1 18	7 22	0 29	13 2	1 48	29 15	15 0	10 15	9 45	18 42		n.a.
S 5	17 42	16 22	1 17	22 10	0 48	16 6	1 26	17 51	0 40	21 25	0 26	18 34	1 18	7 23	0 29	13 2	1 48	29 14	15 0	10 15	9 47	18 44		n.a.
M 6	17 26	10 28	0 2	22 17	0 36	15 41	1 26	18 2	0 39	21 26	0 26	18 34	1 17	7 24	0 29	13 3	1 47	29 14	15 0	10 16	9 48	18 47		n.a.
T 7	17 9	3 58	1s14	22 23	0 25	15 16	1 25	18 12	0 38	21 28	0 25	18 35	1 17	7 24	0 29	13 3	1 47	29 13	15 0	10 15	9 49	18 50		n.a.
W 8	16 51	2s46	2 26	22 28	0 14	14 51	1 25	18 22	0 37	21 29	0 25	18 35	1 17	7 25	0 29	13 3	1 47	29 13	15 0	10 15	9 50	18 52		n.a.
T 9	16 34	9 24	3 30	22 33	0 3	14 25	1 24	18 33	0 36	21 31	0 25	18 35	1 17	7 26	0 29	13 3	1 47	29 12	15 0	10 15	9 51	18 55		n.a.
F 10	16 16	15 35	4 22	22 35	0s 8	13 58	1 24	18 43	0 35	21 32	0 25	18 36	1 16	7 26	0 29	13 4	1 47	29 11	15 0	10 14	9 52	18 57		n.a.
S 11	15 58	20 56	4 57	22 37	0 18	13 32	1 23	18 53	0 34	21 34	0 25	18 36	1 16	7 27	0 29	13 4	1 47	29 11	15 0	10 14	9 54	19 0		n.a.
S 12	15 39	25 5	5 14	22 38	0 28	13 5	1 22	19 2	0 33	21 35	0 25	18 37	1 16	7 28	0 29	13 4	1 47	29 10	15 0	10 14	9 55	19 2		n.a.
M13	15 21	27 42	5 12	22 37	0 37	12 37	1 21	19 12	0 33	21 37	0 25	18 37	1 16	7 29	0 29	13 4	1 47	29 10	15 0	10 14	9 56	19 5		n.a.
T 14	15 2	28 33	4 52	22 35	0 46	12 9	1 21	19 22	0 32	21 38	0 25	18 38	1 15	7 30	0 29	13 5	1 47	29 9	15 0	10 15	9 57	19 8		n.a.
W15	14 43	27 36	4 15	22 32	0 54	11 41	1 20	19 31	0 31	21 39	0 25	18 38	1 15	7 30	0 29	13 5	1 47	29 9	15 0	10 16	9 58	19 10		n.a.
T 16	14 23	24 58	3 23	22 27	1 3	11 13	1 19	19 40	0 30	21 41	0 25	18 39	1 15	7 31	0 29	13 5	1 47	29 8	15 0	10 16	10 0	19 13		n.a.
F 17	14 4	20 59	2 21	22 22	1 10	10 44	1 18	19 49	0 29	21 42	0 25	18 39	1 15	7 32	0 29	13 5	1 47	29 8	15 0	10 17	10 1	19 15		n.a.
S 18	13 44	16 2	1 13	22 14	1 18	10 15	1 17	19 58	0 28	21 43	0 25	18 40	1 15	7 33	0 29	13 6	1 47	29 7	15 0	10 17	10 2	19 18		n.a.
S 19	13 24	10 26	0 2	22 6	1 25	9 46	1 15	20 7	0 26	21 44	0 25	18 40	1 14	7 34	0 29	13 6	1 47	29 7	15 0	10 17	10 3	19 20		n.a.
M20	13 4	4 32	1n 8	21 55	1 31	9 17	1 14	20 16	0 25	21 46	0 25	18 41	1 14	7 35	0 29	13 6	1 47	29 6	15 0	10 17	10 4	19 23		n.a.
T 21	12 43	1n25	2 13	21 44	1 38	8 47	1 13	20 25	0 24	21 47	0 25	18 42	1 14	7 36	0 29	13 7	1 46	29 6	15 0	10 17	10 5	19 25		n.a.
W22	12 23	7 12	3 11	21 31	1 43	8 17	1 11	20 33	0 23	21 48	0 25	18 43	1 14	7 37	0 29	13 7	1 46	29 5	15 0	10 16	10 7	19 28		n.a.
T 23	12 2	12 39	4 0	21 16	1 49	7 47	1 10	20 41	0 22	21 49	0 25	18 43	1 13	7 38	0 29	13 8	1 46	29 5	15 0	10 16	10 8	19 31		n.a.
F 24	11 41	17 34	4 37	21 0	1 53	7 17	1 9	20 50	0 21	21 50	0 25	18 44	1 13	7 39	0 29	13 8	1 46	29 5	15 0	10 16	10 9	19 33		n.a.
S 25	11 20	21 49	5 3	20 42	1 58	6 47	1 7	20 58	0 20	21 51	0 25	18 45	1 13	7 40	0 29	13 8	1 46	29 4	15 1	10 16	10 10	19 36		n.a.
S 26	10 58	25 11	5 16	20 23	2 2	6 16	1 6	21 6	0 19	21 52	0 25	18 46	1 13	7 41	0 29	13 9	1 46	29 4	15 1	10 16	10 11	19 38		n.a.
M27	10 37	27 29	5 15	20 2	2 5	5 45	1 4	21 13	0 17	21 53	0 25	18 46	1 13	7 42	0 29	13 9	1 46	29 3	15 1	10 16	10 12	19 41		n.a.
T 28	10 15	28 32	5 0	19 40	2 8	5 14	1 2	21 21	0 16	21 54	0 25	18 47	1 12	7 43	0 29	13 10	1 46	29 3	15 1	10 16	10 14	19 43		n.a.
W29	9s54	28n10	4n31	19s16	2s11	4s43	1s 0	21s29	0n15	21s55	0n24	18n48	1s12	7n44	0s29	13n10	1s46	29s 2	15s 1	10s16	10s15	19n46		n.a.

Julian Day Number = 1570605.5, Delta T = 04h17m58s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'29, Lahiri = - 9°39'28 Julian Calendar 1 Feb. 413 BCE == Greg. Calendar 27 Jan. 413 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

MARCH 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 14 49	5♓43'41	17♋41	14♒24	21♓46	7♐23	10♐42	28♉ 4	20♈42	9♉31	20♒22	3♓44	3♓44	10♉57	n.a.	T 1
F 2	10 18 46	6°42'41	0♌45	15°59	23° 0	8° 0	10°48	28° 7	20°45	9°32	20°23	3°44	3°41	11° 4	n.a.	F 2
S 3	10 22 42	7°41'37	14°11	17°36	24°14	8°36	10°54	28°10	20°47	9°33	20°25	3°45	3°38	11°10	n.a.	S 3
S 4	10 26 39	8°40'32	28° 0	19°15	25°28	9°12	11° 0	28°13	20°50	9°34	20°26	3°R45	3°35	11°17	n.a.	S 4
M 5	10 30 35	9°39'24	12♍ 8	20°55	26°42	9°48	11° 6	28°16	20°53	9°36	20°28	3°45	3°31	11°24	n.a.	M 5
T 6	10 34 32	10°38'14	26°32	22°36	27°56	10°24	11°11	28°20	20°56	9°37	20°29	3°45	3°28	11°31	n.a.	T 6
W 7	10 38 28	11°37'02	11♎ 5	24°19	29°10	11° 0	11°16	28°23	20°59	9°38	20°31	3°44	3°25	11°37	n.a.	W 7
T 8	10 42 25	12°35'48	25°43	26° 3	0♈24	11°36	11°21	28°27	21° 1	9°40	20°32	3°43	3°22	11°44	n.a.	T 8
F 9	10 46 22	13°34'32	10♏18	27°49	1°37	12°12	11°26	28°31	21° 4	9°41	20°34	3°42	3°19	11°51	n.a.	F 9
S 10	10 50 18	14°33'14	24°46	29°36	2°51	12°47	11°31	28°34	21° 7	9°42	20°35	3°41	3°16	11°57	n.a.	S 10
S 11	10 54 15	15°31'55	9♐ 2	1♓25	4° 5	13°23	11°35	28°38	21°10	9°44	20°36	3°D40	3°12	12° 4	n.a.	S 11
M12	10 58 11	16°30'34	23° 5	3°16	5°19	13°58	11°40	28°42	21°13	9°45	20°38	3°40	3° 9	12°11	n.a.	M12
T 13	11 2 8	17°29'11	6♑51	5° 8	6°32	14°34	11°44	28°47	21°16	9°47	20°39	3°41	3° 6	12°18	n.a.	T 13
W14	11 6 4	18°27'47	20°23	7° 1	7°46	15° 9	11°48	28°51	21°19	9°48	20°41	3°42	3° 3	12°24	n.a.	W14
T 15	11 10 1	19°26'20	3♒39	8°56	9° 0	15°44	11°52	28°55	21°22	9°50	20°42	3°43	3° 0	12°31	n.a.	T 15
F 16	11 13 57	20°24'52	16°42	10°53	10°13	16°20	11°56	28°59	21°25	9°51	20°43	3°44	2°57	12°38	n.a.	F 16
S 17	11 17 54	21°23'22	29°31	12°51	11°27	16°55	11°59	29° 4	21°28	9°53	20°45	3°R45	2°53	12°44	n.a.	S 17
S 18	11 21 51	22°21'50	12♓ 7	14°50	12°40	17°30	12° 3	29° 8	21°32	9°55	20°46	3°45	2°50	12°51	n.a.	S 18
M19	11 25 47	23°20'16	24°33	16°51	13°54	18° 4	12° 6	29°13	21°35	9°56	20°48	3°44	2°47	12°58	n.a.	M19
T 20	11 29 44	24°18'40	6♈48	18°54	15° 7	18°39	12° 9	29°18	21°38	9°58	20°49	3°42	2°44	13° 5	n.a.	T 20
W21	11 33 40	25°17'02	18°54	20°57	16°20	19°14	12°12	29°22	21°41	10° 0	20°50	3°38	2°41	13°11	n.a.	W21
T 22	11 37 37	26°15'22	0♉53	23° 2	17°34	19°48	12°14	29°27	21°44	10° 1	20°52	3°35	2°37	13°18	n.a.	T 22
F 23	11 41 33	27°13'40	12°47	25° 8	18°47	20°22	12°17	29°32	21°47	10° 3	20°53	3°31	2°34	13°25	n.a.	F 23
S 24	11 45 30	28°11'56	24°38	27°15	20° 0	20°57	12°19	29°37	21°51	10° 5	20°54	3°27	2°31	13°31	n.a.	S 24
S 25	11 49 26	29°10'10	6♊31	29°23	21°14	21°31	12°21	29°42	21°54	10° 7	20°55	3°24	2°28	13°38	n.a.	S 25
M26	11 53 23	0♈ 8'22	18°29	1♈31	22°27	22° 5	12°23	29°48	21°57	10° 8	20°57	3°23	2°25	13°45	n.a.	M26
T 27	11 57 19	1° 6'32	0♋37	3°40	23°40	22°39	12°25	29°53	22° 1	10°10	20°58	3°D22	2°22	13°52	n.a.	T 27
W28	12 1 16	2° 4'39	12°58	5°49	24°53	23°12	12°26	29°58	22° 4	10°12	20°59	3°22	2°18	13°58	n.a.	W28
T 29	12 5 13	3° 2'45	25°38	7°58	26° 6	23°46	12°27	0♊ 4	22° 7	10°14	21° 0	3°24	2°15	14° 5	n.a.	T 29
F 30	12 9 9	4° 0'48	8♌41	10° 6	27°19	24°19	12°29	0° 9	22°11	10°16	21° 2	3°25	2°12	14°12	n.a.	F 30
S 31	12 13 6	4♈58'50	22♌ 9	12♈14	28♈32	24♐52	12♐30	0♊15	22♈14	10♉18	21♒ 3	3♓27	2♓ 9	14♉18	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	9s32	26n20	3n49	18s51	2s13	4s12	0s59	21s36	0n14	21s56	0n24	18n49	1s12	7n45	0s29	13n10	1s46	29s 2	15s 1	10s16	10s16	19n48			n.a.
F 2	9 10	23 4	2 53	18 24	2 15	3 41	0 57	21 43	0 12	21 57	0 24	18 50	1 12	7 46	0 29	13 11	1 46	29 2	15 1	10 16	10 17	19 51			n.a.
S 3	8 48	18 29	1 46	17 55	2 16	3 9	0 55	21 50	0 11	21 58	0 24	18 51	1 11	7 47	0 28	13 11	1 46	29 1	15 1	10 16	10 18	19 53			n.a.
S 4	8 25	12 49	0 32	17 24	2 17	2 38	0 53	21 57	0 10	21 59	0 24	18 52	1 11	7 48	0 28	13 12	1 46	29 1	15 1	10 16	10 19	19 56			n.a.
M 5	8 3	6 23	0s46	16 52	2 17	2 6	0 51	22 4	0 8	22 0	0 24	18 53	1 11	7 49	0 28	13 12	1 46	29 0	15 2	10 16	10 21	19 58			n.a.
T 6	7 40	0s29	2 3	16 19	2 17	1 35	0 49	22 11	0 7	22 0	0 24	18 54	1 11	7 50	0 28	13 13	1 46	29 0	15 2	10 16	10 22	20 0			n.a.
W 7	7 18	7 23	3 12	15 43	2 16	1 3	0 47	22 17	0 6	22 1	0 24	18 55	1 11	7 51	0 28	13 13	1 46	29 0	15 2	10 16	10 23	20 3			n.a.
T 8	6 55	13 56	4 10	15 7	2 15	0 32	0 45	22 24	0 4	22 2	0 24	18 56	1 10	7 52	0 28	13 14	1 45	28 59	15 2	10 16	10 24	20 5			n.a.
F 9	6 32	19 41	4 50	14 28	2 13	0n 0	0 43	22 30	0 3	22 3	0 24	18 57	1 10	7 53	0 28	13 14	1 45	28 59	15 2	10 17	10 25	20 8			n.a.
S 10	6 9	24 15	5 13	13 48	2 11	0 32	0 41	22 36	0 1	22 3	0 24	18 58	1 10	7 54	0 28	13 15	1 45	28 58	15 2	10 17	10 26	20 10			n.a.
S 11	5 46	27 16	5 15	13 6	2 8	1 3	0 38	22 42	0s 0	22 4	0 24	18 59	1 10	7 56	0 28	13 15	1 45	28 58	15 2	10 17	10 28	20 13			n.a.
M12	5 23	28 32	4 58	12 22	2 5	1 35	0 36	22 48	0 2	22 5	0 24	19 0	1 9	7 57	0 28	13 16	1 45	28 58	15 3	10 17	10 29	20 15			n.a.
T 13	5 0	27 59	4 25	11 37	2 1	2 7	0 34	22 54	0 3	22 5	0 24	19 1	1 9	7 58	0 28	13 16	1 45	28 57	15 3	10 17	10 30	20 18			n.a.
W14	4 37	25 45	3 37	10 51	1 57	2 38	0 31	22 59	0 5	22 6	0 24	19 2	1 9	7 59	0 28	13 17	1 45	28 57	15 3	10 17	10 31	20 20			n.a.
T 15	4 14	22 9	2 39	10 3	1 52	3 10	0 29	23 5	0 6	22 7	0 24	19 3	1 9	8 0	0 28	13 17	1 45	28 57	15 3	10 16	10 32	20 22			n.a.
F 16	3 51	17 30	1 33	9 13	1 46	3 41	0 27	23 10	0 8	22 7	0 24	19 4	1 9	8 1	0 28	13 18	1 45	28 57	15 3	10 16	10 33	20 25			n.a.
S 17	3 27	12 9	0 23	8 22	1 40	4 13	0 24	23 15	0 10	22 8	0 24	19 6	1 8	8 3	0 28	13 18	1 45	28 56	15 3	10 16	10 35	20 27			n.a.
S 18	3 4	6 24	0n46	7 29	1 34	4 44	0 22	23 20	0 11	22 8	0 24	19 7	1 8	8 4	0 28	13 19	1 45	28 56	15 4	10 16	10 36	20 30			n.a.
M19	2 41	0 29	1 52	6 35	1 26	5 15	0 19	23 25	0 13	22 9	0 24	19 8	1 8	8 5	0 28	13 19	1 45	28 56	15 4	10 16	10 37	20 32			n.a.
T 20	2 17	5n22	2 52	5 39	1 19	5 46	0 17	23 30	0 15	22 9	0 23	19 9	1 8	8 6	0 28	13 20	1 45	28 55	15 4	10 17	10 38	20 34			n.a.
W21	1 54	10 56	3 43	4 43	1 11	6 17	0 14	23 35	0 17	22 9	0 23	19 10	1 8	8 7	0 28	13 21	1 45	28 55	15 4	10 18	10 39	20 37			n.a.
T 22	1 30	16 3	4 24	3 45	1 2	6 48	0 11	23 39	0 18	22 10	0 23	19 12	1 7	8 9	0 28	13 21	1 45	28 55	15 4	10 19	10 40	20 39			n.a.
F 23	1 7	20 31	4 53	2 46	0 53	7 19	0 9	23 44	0 20	22 10	0 23	19 13	1 7	8 10	0 28	13 22	1 45	28 55	15 5	10 21	10 41	20 42			n.a.
S 24	0 44	24 10	5 10	1 47	0 44	7 49	0 6	23 48	0 22	22 11	0 23	19 14	1 7	8 11	0 28	13 22	1 45	28 54	15 5	10 22	10 43	20 44			n.a.
S 25	0 20	26 49	5 13	0 46	0 34	8 20	0 4	23 52	0 24	22 11	0 23	19 16	1 7	8 12	0 28	13 23	1 45	28 54	15 5	10 23	10 44	20 46			n.a.
M26	0n 3	28 16	5 3	0n15	0 24	8 50	0 1	23 56	0 26	22 11	0 23	19 17	1 7	8 14	0 28	13 24	1 45	28 54	15 5	10 24	10 45	20 49			n.a.
T 27	0 27	28 24	4 39	1 16	0 14	9 20	0n 2	24 0	0 28	22 12	0 23	19 18	1 7	8 15	0 28	13 24	1 45	28 54	15 6	10 24	10 46	20 51			n.a.
W28	0 50	27 7	4 2	2 17	0 3	9 50	0 4	24 4	0 30	22 12	0 23	19 19	1 6	8 16	0 28	13 25	1 45	28 54	15 6	10 24	10 47	20 53			n.a.
T 29	1 14	24 26	3 12	3 19	0n 8	10 19	0 7	24 7	0 32	22 12	0 23	19 21	1 6	8 17	0 28	13 25	1 44	28 53	15 6	10 23	10 48	20 56			n.a.
F 30	1 37	20 26	2 11	4 20	0 18	10 48	0 10	24 11	0 34	22 12	0 23	19 22	1 6	8 19	0 28	13 26	1 44	28 53	15 6	10 23	10 50	20 58			n.a.
S 31	2n 0	15n16	1n 1	5n20	0n29	11n17	0n13	24s14	0s36	22s12	0n23	19n23	1s 6	8n20	0s28	13n27	1s44	28s53	15s 7	10s22	10s51	21n 0			n.a.

Julian Day Number = 1570634.5, Delta T = 04h17m56s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'25, Lahiri = - 9°39'24 Julian Calendar 1 March 413 BCE == Greg. Calendar 25 Feb. 413 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

APRIL 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 17 2	5♈56'49	6♍ 3	14♈20	29♈45	25♐25	12♐30	0♊20	22♈17	10♉20	21♒ 4	3°R27	2♓ 6	14♉25	n.a.	S 1
M 2	12 20 59	6°54'46	20°23	16°26	0♉58	25°58	12°31	0°26	22°21	10°21	21° 5	3♓26	2° 2	14°32	n.a.	M 2
T 3	12 24 55	7°52'42	5♎ 5	18°30	2°11	26°31	12°31	0°32	22°24	10°23	21° 6	3°23	1°59	14°39	n.a.	T 3
W 4	12 28 52	8°50'36	20° 1	20°32	3°24	27° 4	12°32	0°37	22°27	10°25	21° 7	3°19	1°56	14°45	n.a.	W 4
T 5	12 32 48	9°48'28	5♏ 4	22°32	4°37	27°36	12°R32	0°43	22°31	10°27	21° 9	3°14	1°53	14°52	n.a.	T 5
F 6	12 36 45	10°46'19	20° 4	24°29	5°50	28° 9	12°31	0°49	22°34	10°29	21°10	3° 9	1°50	14°59	n.a.	F 6
S 7	12 40 42	11°44'09	4♐53	26°24	7° 2	28°41	12°31	0°55	22°38	10°31	21°11	3° 4	1°47	15° 5	n.a.	S 7
S 8	12 44 38	12°41'57	19°24	28°17	8°15	29°13	12°30	1° 1	22°41	10°33	21°12	3° 1	1°43	15°12	n.a.	S 8
M 9	12 48 35	13°39'45	3♑32	0♉ 6	9°28	29°45	12°30	1° 7	22°45	10°35	21°13	2°58	1°40	15°19	n.a.	M 9
T 10	12 52 31	14°37'30	17°18	1°52	10°41	0♑16	12°29	1°14	22°48	10°37	21°14	2°D58	1°37	15°26	n.a.	T 10
W11	12 56 28	15°35'15	0♒41	3°36	11°53	0°48	12°28	1°20	22°51	10°40	21°15	2°59	1°34	15°32	n.a.	W11
T 12	13 0 24	16°32'58	13°44	5°16	13° 6	1°19	12°26	1°26	22°55	10°42	21°16	3° 0	1°31	15°39	n.a.	T 12
F 13	13 4 21	17°30'40	26°30	6°52	14°18	1°50	12°25	1°33	22°58	10°44	21°17	3° 1	1°28	15°46	n.a.	F 13
S 14	13 8 17	18°28'21	9♓ 1	8°25	15°31	2°20	12°23	1°39	23° 2	10°46	21°18	3°R 1	1°24	15°53	n.a.	S 14
S 15	13 12 14	19°26'01	21°21	9°55	16°43	2°51	12°21	1°45	23° 5	10°48	21°19	3° 0	1°21	15°59	n.a.	S 15
M16	13 16 11	20°23'39	3♈32	11°21	17°56	3°21	12°19	1°52	23° 9	10°50	21°20	2°56	1°18	16° 6	n.a.	M16
T 17	13 20 7	21°21'16	15°36	12°44	19° 8	3°51	12°17	1°59	23°12	10°52	21°21	2°50	1°15	16°13	n.a.	T 17
W18	13 24 4	22°18'51	27°35	14° 3	20°20	4°21	12°15	2° 5	23°16	10°54	21°21	2°42	1°12	16°19	n.a.	W18
T 19	13 28 0	23°16'26	9♉29	15°18	21°32	4°51	12°12	2°12	23°19	10°56	21°22	2°32	1° 8	16°26	n.a.	T 19
F 20	13 31 57	24°13'59	21°21	16°30	22°45	5°20	12° 9	2°19	23°23	10°59	21°23	2°22	1° 5	16°33	n.a.	F 20
S 21	13 35 53	25°11'30	3♊13	17°38	23°57	5°49	12° 6	2°25	23°26	11° 1	21°24	2°13	1° 2	16°40	n.a.	S 21
S 22	13 39 50	26° 9'01	15° 6	18°42	25° 9	6°18	12° 3	2°32	23°30	11° 3	21°25	2° 5	0°59	16°46	n.a.	S 22
M23	13 43 46	27° 6'30	27° 4	19°42	26°21	6°46	12° 0	2°39	23°33	11° 5	21°25	1°59	0°56	16°53	n.a.	M23
T 24	13 47 43	28° 3'57	9♋10	20°38	27°33	7°15	11°57	2°46	23°37	11° 7	21°26	1°55	0°53	17° 0	n.a.	T 24
W25	13 51 40	29° 1'24	21°29	21°31	28°45	7°43	11°53	2°53	23°40	11° 9	21°27	1°53	0°49	17° 6	n.a.	W25
T 26	13 55 36	29°58'48	4♌ 5	22°19	29°57	8°10	11°49	3° 0	23°44	11°12	21°28	1°D52	0°46	17°13	n.a.	T 26
F 27	13 59 33	0♉56'12	17° 3	23° 3	1♊ 9	8°38	11°45	3° 7	23°47	11°14	21°28	1°53	0°43	17°20	n.a.	F 27
S 28	14 3 29	1°53'34	0♍25	23°42	2°21	9° 5	11°41	3°14	23°50	11°16	21°29	1°R54	0°40	17°27	n.a.	S 28
S 29	14 7 26	2°50'54	14°16	24°17	3°33	9°31	11°37	3°21	23°54	11°18	21°30	1°53	0°37	17°33	n.a.	S 29
M30	14 11 22	3♉48'14	28♍36	24♉48	4♊44	9♑58	11♐32	3♊29	23♈57	11♉21	21♒30	1♓50	0♓33	17♉40	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n23	9n11	0s14	6n20	0n40	11n46	0n15	24s18	0s38	22s13	0n23	19n25	1s 6	8n21	0s28	13n27	1s44	28s53	15s 7	10s22	10s52	21n 3		n.a.
M 2	2 47	2 28	1 31	7 19	0 51	12 14	0 18	24 21	0 40	22 13	0 23	19 26	1 5	8 23	0 28	13 28	1 44	28 53	15 7	10 23	10 53	21 5		n.a.
T 3	3 10	4s33	2 44	8 17	1 1	12 43	0 21	24 24	0 42	22 13	0 23	19 28	1 5	8 24	0 28	13 29	1 44	28 53	15 7	10 24	10 54	21 7		n.a.
W 4	3 33	11 25	3 46	9 13	1 11	13 11	0 23	24 27	0 44	22 13	0 23	19 29	1 5	8 25	0 28	13 29	1 44	28 52	15 8	10 25	10 55	21 10		n.a.
T 5	3 56	17 40	4 34	10 7	1 21	13 38	0 26	24 30	0 46	22 13	0 23	19 30	1 5	8 26	0 28	13 30	1 44	28 52	15 8	10 27	10 56	21 12		n.a.
F 6	4 19	22 50	5 2	11 0	1 30	14 5	0 29	24 33	0 49	22 13	0 22	19 32	1 5	8 28	0 28	13 31	1 44	28 52	15 8	10 29	10 58	21 14		n.a.
S 7	4 42	26 28	5 10	11 51	1 39	14 32	0 32	24 35	0 51	22 13	0 22	19 33	1 5	8 29	0 28	13 31	1 44	28 52	15 9	10 31	10 59	21 16		n.a.
S 8	5 5	28 16	4 58	12 40	1 47	14 59	0 34	24 38	0 53	22 13	0 22	19 35	1 4	8 30	0 28	13 32	1 44	28 52	15 9	10 32	11 0	21 19		n.a.
M 9	5 27	28 9	4 27	13 27	1 55	15 25	0 37	24 40	0 55	22 13	0 22	19 36	1 4	8 32	0 28	13 33	1 44	28 52	15 9	10 33	11 1	21 21		n.a.
T 10	5 50	26 17	3 42	14 11	2 2	15 51	0 40	24 43	0 58	22 13	0 22	19 38	1 4	8 33	0 28	13 33	1 44	28 52	15 9	10 33	11 2	21 23		n.a.
W11	6 13	22 58	2 46	14 53	2 9	16 16	0 42	24 45	1 0	22 13	0 22	19 39	1 4	8 34	0 28	13 34	1 44	28 52	15 10	10 32	11 3	21 25		n.a.
T 12	6 35	18 33	1 43	15 33	2 14	16 41	0 45	24 47	1 3	22 13	0 22	19 40	1 4	8 35	0 28	13 35	1 44	28 52	15 10	10 32	11 4	21 28		n.a.
F 13	6 58	13 24	0 35	16 10	2 19	17 6	0 48	24 49	1 5	22 13	0 22	19 42	1 4	8 37	0 28	13 35	1 44	28 52	15 10	10 32	11 6	21 30		n.a.
S 14	7 20	7 47	0n32	16 45	2 23	17 30	0 50	24 51	1 8	22 13	0 22	19 43	1 3	8 38	0 28	13 36	1 44	28 52	15 11	10 32	11 7	21 32		n.a.
S 15	7 42	1 59	1 37	17 18	2 27	17 54	0 53	24 53	1 10	22 12	0 22	19 45	1 3	8 39	0 28	13 37	1 44	28 52	15 11	10 32	11 8	21 34		n.a.
M16	8 4	3n49	2 37	17 48	2 29	18 17	0 56	24 55	1 13	22 12	0 22	19 46	1 3	8 41	0 28	13 37	1 44	28 51	15 11	10 34	11 9	21 37		n.a.
T 17	8 26	9 25	3 29	18 15	2 31	18 40	0 58	24 57	1 15	22 12	0 22	19 48	1 3	8 42	0 28	13 38	1 44	28 51	15 12	10 36	11 10	21 39		n.a.
W18	8 48	14 38	4 11	18 41	2 32	19 2	1 1	24 59	1 18	22 12	0 22	19 49	1 3	8 43	0 28	13 39	1 44	28 51	15 12	10 39	11 11	21 41		n.a.
T 19	9 9	19 16	4 41	19 3	2 32	19 24	1 3	25 0	1 21	22 12	0 21	19 51	1 3	8 45	0 28	13 39	1 44	28 51	15 12	10 42	11 12	21 43		n.a.
F 20	9 31	23 9	5 0	19 24	2 31	19 45	1 6	25 2	1 24	22 11	0 21	19 52	1 3	8 46	0 28	13 40	1 44	28 51	15 13	10 46	11 14	21 46		n.a.
S 21	9 52	26 3	5 5	19 42	2 30	20 6	1 8	25 3	1 26	22 11	0 21	19 54	1 2	8 47	0 28	13 41	1 44	28 52	15 13	10 49	11 15	21 48		n.a.
S 22	10 13	27 50	4 58	19 58	2 27	20 26	1 11	25 5	1 29	22 11	0 21	19 55	1 2	8 49	0 28	13 42	1 44	28 52	15 13	10 52	11 16	21 50		n.a.
M23	10 34	28 20	4 37	20 11	2 24	20 46	1 13	25 6	1 32	22 10	0 21	19 57	1 2	8 50	0 28	13 42	1 44	28 52	15 14	10 54	11 17	21 52		n.a.
T 24	10 55	27 29	4 4	20 23	2 19	21 5	1 15	25 8	1 35	22 10	0 21	19 58	1 2	8 51	0 28	13 43	1 44	28 52	15 14	10 56	11 18	21 54		n.a.
W25	11 16	25 16	3 19	20 32	2 14	21 24	1 18	25 9	1 38	22 9	0 21	20 0	1 2	8 52	0 28	13 44	1 44	28 52	15 14	10 57	11 19	21 57		n.a.
T 26	11 37	21 48	2 23	20 39	2 8	21 42	1 20	25 10	1 41	22 9	0 21	20 1	1 2	8 54	0 28	13 44	1 44	28 52	15 15	10 57	11 20	21 59		n.a.
F 27	11 57	17 10	1 19	20 43	2 1	22 0	1 22	25 11	1 44	22 9	0 21	20 3	1 2	8 55	0 28	13 45	1 44	28 52	15 15	10 56	11 22	22 1		n.a.
S 28	12 17	11 35	0 8	20 46	1 53	22 17	1 24	25 13	1 47	22 8	0 21	20 4	1 1	8 56	0 28	13 46	1 44	28 52	15 15	10 56	11 23	22 3		n.a.
S 29	12 37	5 16	1s 6	20 46	1 44	22 33	1 27	25 14	1 50	22 8	0 21	20 6	1 1	8 58	0 28	13 47	1 44	28 52	15 16	10 56	11 24	22 5		n.a.
M30	12n57	1s32	2s17	20n44	1n34	22n49	1n29	25s15	1s53	22s 7	0n20	20n 7	1s 1	8n59	0s28	13n47	1s44	28s52	15s16	10s57	11s25	22n 7		n.a.

Julian Day Number = 1570665.5, Delta T = 04h17m55s
Ecliptic obliquity = 23°44'52, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'20, Lahiri = - 9°39'20 Julian Calendar 1 Apr. 413 BCE == Greg. Calendar 27 March 413 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

MAY 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 15 19	4♉45'32	13♎21	25♉15	5♊56	10♏24	11°R27	3♊36	24♈ 1	11♉23	21♒31	1°R46	0♓30	17♉47	n.a.	T 1
W 2	14 19 15	5°42'49	28°27	25°37	7° 8	10°50	11♐23	3°43	24° 4	11°25	21°32	1♓38	0°27	17°53	n.a.	W 2
T 3	14 23 12	6°40'06	13♏44	25°54	8°19	11°15	11°18	3°50	24° 8	11°27	21°32	1°30	0°24	18° 0	n.a.	T 3
F 4	14 27 9	7°37'21	29° 0	26° 6	9°31	11°40	11°13	3°58	24°11	11°29	21°33	1°20	0°21	18° 7	n.a.	F 4
S 5	14 31 5	8°34'36	14♐ 6	26°15	10°42	12° 5	11° 7	4° 5	24°14	11°32	21°33	1°11	0°18	18°14	n.a.	S 5
S 6	14 35 2	9°31'51	28°52	26°R18	11°54	12°29	11° 2	4°12	24°18	11°34	21°34	1° 4	0°14	18°20	n.a.	S 6
M 7	14 38 58	10°29'04	13♑12	26°17	13° 5	12°53	10°57	4°20	24°21	11°36	21°34	0°59	0°11	18°27	n.a.	M 7
T 8	14 42 55	11°26'18	27° 4	26°11	14°16	13°17	10°51	4°27	24°25	11°38	21°35	0°57	0° 8	18°34	n.a.	T 8
W 9	14 46 51	12°23'31	10♒28	26° 2	15°28	13°40	10°45	4°35	24°28	11°41	21°35	0°D56	0° 5	18°41	n.a.	W 9
T 10	14 50 48	13°20'43	23°28	25°48	16°39	14° 2	10°39	4°42	24°31	11°43	21°35	0°56	0° 2	18°47	n.a.	T 10
F 11	14 54 44	14°17'55	6♓ 7	25°30	17°50	14°25	10°33	4°50	24°35	11°45	21°36	0°R56	29♒59	18°54	n.a.	F 11
S 12	14 58 41	15°15'07	18°30	25° 9	19° 1	14°47	10°27	4°57	24°38	11°47	21°36	0°55	29°55	19° 1	n.a.	S 12
S 13	15 2 38	16°12'18	0♈40	24°44	20°12	15° 8	10°21	5° 5	24°41	11°50	21°37	0°51	29°52	19° 7	n.a.	S 13
M14	15 6 34	17° 9'29	12°42	24°17	21°23	15°29	10°14	5°12	24°44	11°52	21°37	0°45	29°49	19°14	n.a.	M14
T 15	15 10 31	18° 6'40	24°38	23°47	22°34	15°49	10° 8	5°20	24°48	11°54	21°37	0°37	29°46	19°21	n.a.	T 15
W16	15 14 27	19° 3'50	6♉31	23°15	23°45	16° 9	10° 1	5°28	24°51	11°56	21°37	0°25	29°43	19°28	n.a.	W16
T 17	15 18 24	20° 1'00	18°22	22°42	24°56	16°29	9°54	5°35	24°54	11°59	21°38	0°12	29°39	19°34	n.a.	T 17
F 18	15 22 20	20°58'09	0♊14	22° 8	26° 7	16°47	9°48	5°43	24°57	12° 1	21°38	29♒58	29°36	19°41	n.a.	F 18
S 19	15 26 17	21°55'18	12° 8	21°33	27°17	17° 6	9°41	5°51	25° 1	12° 3	21°38	29°45	29°33	19°48	n.a.	S 19
S 20	15 30 14	22°52'27	24° 5	20°59	28°28	17°24	9°34	5°59	25° 4	12° 5	21°38	29°33	29°30	19°54	n.a.	S 20
M21	15 34 10	23°49'35	6♋ 7	20°26	29°38	17°41	9°27	6° 6	25° 7	12° 7	21°38	29°24	29°27	20° 1	n.a.	M21
T 22	15 38 7	24°46'43	18°17	19°54	0♌49	17°58	9°19	6°14	25°10	12°10	21°39	29°17	29°24	20° 8	n.a.	T 22
W23	15 42 3	25°43'51	0♌38	19°25	1°59	18°14	9°12	6°22	25°13	12°12	21°39	29°13	29°20	20°15	n.a.	W23
T 24	15 46 0	26°40'57	13°14	18°57	3°10	18°29	9° 5	6°30	25°16	12°14	21°39	29°12	29°17	20°21	n.a.	T 24
F 25	15 49 56	27°38'04	26° 8	18°33	4°20	18°44	8°57	6°37	25°19	12°16	21°39	29°11	29°14	20°28	n.a.	F 25
S 26	15 53 53	28°35'10	9♍25	18°12	5°30	18°59	8°50	6°45	25°22	12°18	21°39	29°11	29°11	20°35	n.a.	S 26
S 27	15 57 49	29°32'15	23° 8	17°55	6°40	19°13	8°43	6°53	25°25	12°21	21°R39	29°10	29° 8	20°42	n.a.	S 27
M28	16 1 46	0♊29'20	7♎19	17°43	7°50	19°26	8°35	7° 1	25°28	12°23	21°39	29° 7	29° 5	20°48	n.a.	M28
T 29	16 5 43	1°26'25	21°56	17°34	9° 0	19°38	8°28	7° 9	25°31	12°25	21°39	29° 1	29° 1	20°55	n.a.	T 29
W30	16 9 39	2°23'29	6♏56	17°D30	10°10	19°50	8°20	7°17	25°34	12°27	21°39	28°53	28°58	21° 2	n.a.	W30
T 31	16 13 36	3♊20'34	22♏10	17♉31	11♋20	20♑ 1	8♐12	7♊24	25♈37	12♉29	21♒39	28♒43	28♒55	21♉ 8	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	13n16	8s26	3s22	20n41	1n24	23n 4	1n31	25s16	1s57	22s 7	0n20	20n 9	1s 1	9n 0	0s28	13n48	1s44	28s52	15s16	10s59	11s26	22n10		n.a.	T 1
W 2	13 36	15 0	4 14	20 35	1 12	23 18	1 33	25 17	2 0	22 6	0 20	20 10	1 1	9 1	0 28	13 49	1 44	28 52	15 17	11 2	11 27	22 12		n.a.	W 2
T 3	13 55	20 44	4 48	20 27	1 0	23 32	1 35	25 18	2 3	22 5	0 20	20 12	1 1	9 3	0 28	13 49	1 44	28 53	15 17	11 5	11 28	22 14		n.a.	T 3
F 4	14 14	25 6	5 2	20 17	0 47	23 45	1 36	25 20	2 6	22 5	0 20	20 13	1 1	9 4	0 28	13 50	1 44	28 53	15 17	11 8	11 30	22 16		n.a.	F 4
S 5	14 33	27 40	4 55	20 6	0 33	23 58	1 38	25 21	2 10	22 4	0 20	20 15	1 0	9 5	0 28	13 51	1 44	28 53	15 18	11 11	11 31	22 18		n.a.	S 5
S 6	14 51	28 13	4 28	19 53	0 19	24 9	1 40	25 22	2 13	22 4	0 20	20 16	1 0	9 7	0 28	13 51	1 44	28 53	15 18	11 14	11 32	22 20		n.a.	S 6
M 7	15 9	26 49	3 45	19 38	0 3	24 21	1 42	25 23	2 17	22 3	0 20	20 18	1 0	9 8	0 28	13 52	1 44	28 53	15 18	11 16	11 33	22 22		n.a.	M 7
T 8	15 27	23 47	2 50	19 21	0s12	24 31	1 43	25 24	2 20	22 2	0 20	20 19	1 0	9 9	0 28	13 53	1 44	28 53	15 19	11 17	11 34	22 24		n.a.	T 8
W 9	15 45	19 33	1 46	19 3	0 28	24 41	1 45	25 25	2 24	22 2	0 19	20 21	1 0	9 10	0 28	13 54	1 44	28 54	15 19	11 17	11 35	22 26		n.a.	W 9
T 10	16 3	14 29	0 40	18 44	0 45	24 50	1 47	25 26	2 27	22 1	0 19	20 22	1 0	9 12	0 28	13 54	1 44	28 54	15 20	11 17	11 36	22 29		n.a.	T 10
F 11	16 20	8 57	0n27	18 23	1 2	24 58	1 48	25 28	2 31	22 0	0 19	20 24	1 0	9 13	0 28	13 55	1 43	28 54	15 20	11 17	11 37	22 31		n.a.	F 11
S 12	16 37	3 12	1 32	18 2	1 19	25 6	1 49	25 29	2 35	21 59	0 19	20 25	1 0	9 14	0 28	13 56	1 43	28 54	15 20	11 17	11 39	22 33		n.a.	S 12
S 13	16 54	2n34	2 30	17 39	1 35	25 13	1 51	25 30	2 39	21 58	0 19	20 27	0 59	9 15	0 28	13 56	1 43	28 54	15 21	11 19	11 40	22 35		n.a.	S 13
M14	17 10	8 10	3 22	17 16	1 52	25 19	1 52	25 31	2 42	21 58	0 19	20 28	0 59	9 16	0 28	13 57	1 43	28 55	15 21	11 21	11 41	22 37		n.a.	M14
T 15	17 27	13 26	4 4	16 53	2 8	25 25	1 53	25 33	2 46	21 57	0 19	20 30	0 59	9 18	0 28	13 58	1 43	28 55	15 21	11 24	11 42	22 39		n.a.	T 15
W16	17 43	18 10	4 35	16 30	2 24	25 30	1 54	25 34	2 50	21 56	0 19	20 31	0 59	9 19	0 28	13 58	1 43	28 55	15 22	11 28	11 43	22 41		n.a.	W16
T 17	17 58	22 12	4 53	16 7	2 40	25 34	1 55	25 36	2 54	21 55	0 18	20 33	0 59	9 20	0 28	13 59	1 43	28 55	15 22	11 33	11 44	22 43		n.a.	T 17
F 18	18 14	25 20	5 0	15 44	2 54	25 37	1 56	25 37	2 58	21 54	0 18	20 34	0 59	9 21	0 28	14 0	1 43	28 56	15 22	11 38	11 45	22 45		n.a.	F 18
S 19	18 29	27 22	4 53	15 22	3 8	25 40	1 57	25 39	3 2	21 53	0 18	20 36	0 59	9 22	0 28	14 0	1 43	28 56	15 23	11 42	11 47	22 47		n.a.	S 19
S 20	18 44	28 10	4 33	15 1	3 20	25 42	1 58	25 41	3 6	21 52	0 18	20 37	0 59	9 24	0 28	14 1	1 44	28 56	15 23	11 46	11 48	22 49		n.a.	S 20
M21	18 58	27 37	4 1	14 41	3 32	25 43	1 58	25 42	3 10	21 51	0 18	20 39	0 59	9 25	0 28	14 2	1 44	28 56	15 24	11 50	11 49	22 51		n.a.	M21
T 22	19 12	25 45	3 18	14 23	3 42	25 44	1 59	25 44	3 15	21 50	0 18	20 40	0 58	9 26	0 28	14 2	1 44	28 57	15 24	11 52	11 50	22 53		n.a.	T 22
W23	19 26	22 37	2 25	14 6	3 51	25 44	2 0	25 46	3 19	21 49	0 18	20 41	0 58	9 27	0 28	14 3	1 44	28 57	15 24	11 54	11 51	22 55		n.a.	W23
T 24	19 40	18 23	1 23	13 51	3 59	25 43	2 0	25 48	3 23	21 48	0 18	20 43	0 58	9 28	0 28	14 4	1 44	28 57	15 25	11 54	11 52	22 57		n.a.	T 24
F 25	19 53	13 13	0 16	13 39	4 5	25 41	2 0	25 50	3 27	21 47	0 17	20 44	0 58	9 29	0 28	14 4	1 44	28 58	15 25	11 54	11 53	22 59		n.a.	F 25
S 26	20 6	7 19	0s54	13 28	4 10	25 38	2 1	25 52	3 32	21 46	0 17	20 46	0 58	9 30	0 28	14 5	1 44	28 58	15 25	11 54	11 54	23 1		n.a.	S 26
S 27	20 19	0 53	2 3	13 21	4 13	25 35	2 1	25 55	3 36	21 45	0 17	20 47	0 58	9 32	0 28	14 6	1 44	28 58	15 26	11 55	11 56	23 3		n.a.	S 27
M28	20 31	5s47	3 7	13 15	4 15	25 31	2 1	25 57	3 40	21 44	0 17	20 49	0 58	9 33	0 28	14 6	1 44	28 59	15 26	11 56	11 57	23 5		n.a.	M28
T 29	20 43	12 21	4 0	13 12	4 16	25 27	2 1	26 0	3 45	21 43	0 17	20 50	0 58	9 34	0 28	14 7	1 44	28 59	15 27	11 58	11 58	23 7		n.a.	T 29
W30	20 54	18 23	4 39	13 11	4 15	25 22	2 1	26 2	3 49	21 42	0 17	20 51	0 58	9 35	0 28	14 8	1 44	28 59	15 27	12 1	11 59	23 9		n.a.	W30
T 31	21n 6	23s20	4s58	13n13	4s13	25n16	2n 1	26s 5	3s54	21s41	0n17	20n53	0s58	9n36	0s28	14n 8	1s44	29s 0	15s27	12s 4	12s 0	23n11		n.a.	T 31

Julian Day Number = 1570695.5, Delta T = 04h17m54s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'16, Lahiri = - 9°39'16 Julian Calendar 1 May 413 BCE == Greg. Calendar 26 Apr. 413 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

JUNE 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 17 32	4♊17'39	7♐29	17♉37	12♋30	20♏12	8°R 5	7♊32	25♈40	12♉31	21°R39	28°R33	28♒52	21♉15	n.a.	F 1
S 2	16 21 29	5°14'43	22°40	17°47	13°39	20°22	7♐57	7°40	25°43	12°33	21♒39	28♒23	28°49	21°22	n.a.	S 2
S 3	16 25 25	6°11'49	7♏33	18° 3	14°49	20°31	7°49	7°48	25°46	12°35	21°38	28°14	28°45	21°29	n.a.	S 3
M 4	16 29 22	7° 8'54	22° 2	18°24	15°58	20°40	7°42	7°56	25°49	12°38	21°38	28° 8	28°42	21°35	n.a.	M 4
T 5	16 33 19	8° 6'00	6♒ 1	18°49	17° 8	20°47	7°34	8° 4	25°52	12°40	21°38	28° 5	28°39	21°42	n.a.	T 5
W 6	16 37 15	9° 3'06	19°31	19°20	18°17	20°54	7°26	8°12	25°54	12°42	21°38	28° 3	28°36	21°49	n.a.	W 6
T 7	16 41 12	10° 0'12	2♓34	19°56	19°26	21° 1	7°19	8°19	25°57	12°44	21°38	28°D 3	28°33	21°56	n.a.	T 7
F 8	16 45 8	10°57'19	15°14	20°37	20°35	21° 6	7°11	8°27	26° 0	12°46	21°37	28°R 3	28°30	22° 2	n.a.	F 8
S 9	16 49 5	11°54'27	27°35	21°23	21°44	21°11	7° 3	8°35	26° 2	12°48	21°37	28° 2	28°26	22° 9	n.a.	S 9
S 10	16 53 1	12°51'35	9♈42	22°14	22°53	21°15	6°56	8°43	26° 5	12°50	21°37	27°59	28°23	22°16	n.a.	S 10
M11	16 56 58	13°48'44	21°40	23° 9	24° 2	21°18	6°48	8°51	26° 8	12°52	21°37	27°54	28°20	22°22	n.a.	M11
T 12	17 0 54	14°45'54	3♉33	24°10	25°10	21°21	6°40	8°59	26°10	12°54	21°36	27°46	28°17	22°29	n.a.	T 12
W13	17 4 51	15°43'04	15°24	25°15	26°19	21°22	6°33	9° 7	26°13	12°56	21°36	27°36	28°14	22°36	n.a.	W13
T 14	17 8 48	16°40'15	27°16	26°24	27°28	21°23	6°25	9°14	26°15	12°58	21°35	27°24	28°11	22°43	n.a.	T 14
F 15	17 12 44	17°37'27	9♊11	27°39	28°36	21°R23	6°18	9°22	26°18	13° 0	21°35	27°11	28° 7	22°49	n.a.	F 15
S 16	17 16 41	18°34'39	21°10	28°57	29°44	21°23	6°10	9°30	26°20	13° 1	21°35	26°59	28° 4	22°56	n.a.	S 16
S 17	17 20 37	19°31'52	3♋14	0♊20	0♌52	21°21	6° 3	9°38	26°23	13° 3	21°34	26°48	28° 1	23° 3	n.a.	S 17
M18	17 24 34	20°29'06	15°25	1°48	2° 0	21°19	5°56	9°46	26°25	13° 5	21°34	26°39	27°58	23° 9	n.a.	M18
T 19	17 28 30	21°26'20	27°45	3°19	3° 8	21°16	5°49	9°53	26°27	13° 7	21°33	26°33	27°55	23°16	n.a.	T 19
W20	17 32 27	22°23'34	10♌15	4°55	4°16	21°12	5°42	10° 1	26°30	13° 9	21°33	26°30	27°51	23°23	n.a.	W20
T 21	17 36 23	23°20'49	22°58	6°35	5°24	21° 7	5°35	10° 9	26°32	13°11	21°32	26°D28	27°48	23°30	n.a.	T 21
F 22	17 40 20	24°18'04	5♍56	8°18	6°31	21° 2	5°28	10°17	26°34	13°13	21°32	26°28	27°45	23°36	n.a.	F 22
S 23	17 44 17	25°15'20	19°13	10° 4	7°39	20°56	5°21	10°24	26°36	13°14	21°31	26°R29	27°42	23°43	n.a.	S 23
S 24	17 48 13	26°12'37	2♎51	11°54	8°46	20°49	5°14	10°32	26°38	13°16	21°31	26°29	27°39	23°50	n.a.	S 24
M25	17 52 10	27° 9'53	16°53	13°47	9°53	20°41	5° 7	10°40	26°40	13°18	21°30	26°27	27°36	23°57	n.a.	M25
T 26	17 56 6	28° 7'11	1♏16	15°42	11° 0	20°33	5° 1	10°47	26°43	13°19	21°29	26°24	27°32	24° 3	n.a.	T 26
W27	18 0 3	29° 4'29	16° 0	17°40	12° 7	20°24	4°54	10°55	26°45	13°21	21°29	26°18	27°29	24°10	n.a.	W27
T 28	18 3 59	0♋ 1'48	0♐58	19°40	13°14	20°14	4°48	11° 2	26°47	13°23	21°28	26°10	27°26	24°17	n.a.	T 28
F 29	18 7 56	0°59'08	16° 2	21°41	14°20	20° 4	4°42	11°10	26°48	13°25	21°27	26° 2	27°23	24°23	n.a.	F 29
S 30	18 11 53	1♋56'29	1♏ 3	23♊44	15♌27	19♏53	4♐36	11♊18	26♈50	13♉26	21♒27	25♒54	27♒20	24♉30	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n16	26s43	4s57	13n18	4s10	25n 9	2n 0	26s 8	3s58	21s40	0n16	20n54	0s58	9n37	0s28	14n 9	1s44	29s 0	15s28	12s 8	12s 1	23n13		n.a.
S 2	21 27	28 6	4 34	13 25	4 6	25 2	2 0	26 11	4 3	21 39	0 16	20 56	0 57	9 38	0 28	14 10	1 44	29 1	15 28	12 11	12 2	23 15		n.a.
S 3	21 37	27 24	3 53	13 34	4 1	24 53	1 59	26 14	4 8	21 38	0 16	20 57	0 57	9 39	0 28	14 10	1 44	29 1	15 28	12 14	12 3	23 17		n.a.
M 4	21 47	24 51	2 58	13 46	3 55	24 45	1 59	26 17	4 12	21 37	0 16	20 58	0 57	9 40	0 28	14 11	1 44	29 1	15 29	12 16	12 4	23 19		n.a.
T 5	21 56	20 51	1 54	14 0	3 47	24 35	1 58	26 21	4 17	21 36	0 16	21 0	0 57	9 41	0 28	14 11	1 44	29 2	15 29	12 18	12 6	23 21		n.a.
W 6	22 5	15 52	0 45	14 16	3 39	24 25	1 57	26 24	4 21	21 35	0 16	21 1	0 57	9 42	0 28	14 12	1 44	29 2	15 30	12 18	12 7	23 23		n.a.
T 7	22 14	10 19	0n24	14 34	3 31	24 14	1 57	26 28	4 26	21 33	0 15	21 2	0 57	9 43	0 28	14 13	1 44	29 3	15 30	12 18	12 8	23 25		n.a.
F 8	22 22	4 31	1 30	14 54	3 21	24 3	1 56	26 31	4 31	21 32	0 15	21 4	0 57	9 44	0 28	14 13	1 44	29 3	15 30	12 18	12 9	23 26		n.a.
S 9	22 30	1n19	2 30	15 16	3 11	23 51	1 55	26 35	4 36	21 31	0 15	21 5	0 57	9 45	0 28	14 14	1 44	29 3	15 31	12 19	12 10	23 28		n.a.
S 10	22 38	6 58	3 21	15 40	3 0	23 38	1 53	26 39	4 40	21 30	0 15	21 6	0 57	9 46	0 28	14 14	1 44	29 4	15 31	12 20	12 11	23 30		n.a.
M11	22 45	12 19	4 4	16 5	2 49	23 25	1 52	26 43	4 45	21 29	0 15	21 8	0 57	9 47	0 28	14 15	1 44	29 4	15 31	12 21	12 12	23 32		n.a.
T 12	22 52	17 10	4 35	16 31	2 37	23 11	1 51	26 48	4 50	21 28	0 15	21 9	0 57	9 48	0 28	14 16	1 44	29 5	15 32	12 24	12 13	23 34		n.a.
W13	22 58	21 21	4 54	16 59	2 25	22 57	1 49	26 52	4 54	21 27	0 14	21 10	0 57	9 49	0 28	14 16	1 44	29 5	15 32	12 28	12 15	23 36		n.a.
T 14	23 4	24 41	5 1	17 27	2 12	22 42	1 48	26 56	4 59	21 25	0 14	21 11	0 57	9 50	0 28	14 17	1 44	29 6	15 32	12 32	12 16	23 38		n.a.
F 15	23 10	26 58	4 55	17 57	2 0	22 26	1 46	27 1	5 4	21 24	0 14	21 13	0 56	9 51	0 28	14 17	1 44	29 6	15 33	12 36	12 17	23 40		n.a.
S 16	23 15	28 1	4 35	18 27	1 47	22 10	1 44	27 6	5 8	21 23	0 14	21 14	0 56	9 52	0 28	14 18	1 44	29 7	15 33	12 41	12 18	23 41		n.a.
S 17	23 20	27 46	4 3	18 58	1 33	21 53	1 42	27 10	5 13	21 22	0 14	21 15	0 56	9 52	0 28	14 18	1 44	29 7	15 33	12 44	12 19	23 43		n.a.
M18	23 24	26 9	3 20	19 29	1 20	21 35	1 40	27 15	5 17	21 21	0 14	21 16	0 56	9 53	0 28	14 19	1 44	29 8	15 34	12 47	12 20	23 45		n.a.
T 19	23 28	23 16	2 27	20 0	1 7	21 18	1 38	27 20	5 22	21 20	0 13	21 18	0 56	9 54	0 28	14 20	1 44	29 8	15 34	12 50	12 21	23 47		n.a.
W20	23 32	19 16	1 25	20 30	0 54	20 59	1 36	27 25	5 26	21 19	0 13	21 19	0 56	9 55	0 28	14 20	1 44	29 9	15 34	12 51	12 22	23 49		n.a.
T 21	23 35	14 20	0 19	21 1	0 41	20 40	1 33	27 30	5 31	21 18	0 13	21 20	0 56	9 56	0 28	14 21	1 44	29 9	15 35	12 51	12 23	23 51		n.a.
F 22	23 37	8 40	0s50	21 31	0 28	20 21	1 31	27 36	5 35	21 17	0 13	21 21	0 56	9 57	0 28	14 21	1 44	29 10	15 35	12 51	12 24	23 52		n.a.
S 23	23 40	2 31	1 58	22 0	0 15	20 1	1 28	27 41	5 39	21 16	0 13	21 22	0 56	9 57	0 28	14 22	1 44	29 10	15 35	12 51	12 26	23 54		n.a.
S 24	23 42	3s55	3 1	22 27	0 3	19 40	1 26	27 46	5 44	21 14	0 13	21 24	0 56	9 58	0 28	14 22	1 44	29 11	15 36	12 51	12 27	23 56		n.a.
M25	23 43	10 20	3 56	22 53	0n 9	19 20	1 23	27 51	5 48	21 13	0 12	21 25	0 56	9 59	0 28	14 23	1 44	29 11	15 36	12 51	12 28	23 58		n.a.
T 26	23 44	16 22	4 36	23 18	0 20	18 58	1 20	27 57	5 52	21 12	0 12	21 26	0 56	10 0	0 28	14 23	1 44	29 12	15 36	12 53	12 29	24 0		n.a.
W27	23 45	21 37	5 0	23 41	0 31	18 37	1 17	28 2	5 56	21 11	0 12	21 27	0 56	10 0	0 28	14 24	1 44	29 12	15 37	12 55	12 30	24 1		n.a.
T 28	23 45	25 34	5 4	24 1	0 41	18 14	1 14	28 7	6 0	21 10	0 12	21 28	0 56	10 1	0 28	14 24	1 44	29 13	15 37	12 57	12 31	24 3		n.a.
F 29	23 45	27 45	4 47	24 19	0 51	17 52	1 11	28 13	6 3	21 9	0 12	21 29	0 56	10 2	0 28	14 24	1 44	29 13	15 37	13 0	12 32	24 5		n.a.
S 30	23n44	27s55	4s10	24n35	0n59	17n29	1n 7	28s18	6s 7	21s 8	0n12	21n30	0s56	10n 2	0s28	14n25	1s44	29s14	15s38	13s 3	12s33	24n 7		n.a.

Julian Day Number = 1570726.5, Delta T = 04h17m53s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'12, Lahiri = - 9°39'12 Julian Calendar 1 June 413 BCE == Greg. Calendar 27 May 413 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

JULY 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 15 49	2♋53'51	15♑51	25♊48	16♌33	19°R42	4°R30	11♊25	26♈52	13♉28	21°R26	25°R48	27♒17	24♉37	n.a.	S 1
M 2	18 19 46	3°51'14	0♒18	27°52	17°39	19♑30	4♐24	11°33	26°54	13°29	21♒25	25♒43	27°13	24°44	n.a.	M 2
T 3	18 23 42	4°48'38	14°19	29°57	18°45	19°18	4°18	11°40	26°56	13°31	21°24	25°41	27°10	24°50	n.a.	T 3
W 4	18 27 39	5°46'03	27°53	2♋ 2	19°51	19° 5	4°13	11°47	26°58	13°32	21°24	25°D40	27° 7	24°57	n.a.	W 4
T 5	18 31 35	6°43'30	11♓ 0	4° 7	20°56	18°51	4° 7	11°55	26°59	13°34	21°23	25°41	27° 4	25° 4	n.a.	T 5
F 6	18 35 32	7°40'58	23°44	6°11	22° 2	18°37	4° 2	12° 2	27° 1	13°35	21°22	25°42	27° 1	25°11	n.a.	F 6
S 7	18 39 28	8°38'28	6♈ 7	8°15	23° 7	18°23	3°57	12°10	27° 2	13°37	21°21	25°R43	26°57	25°17	n.a.	S 7
S 8	18 43 25	9°35'59	18°16	10°17	24°12	18° 8	3°52	12°17	27° 4	13°38	21°20	25°42	26°54	25°24	n.a.	S 8
M 9	18 47 22	10°33'32	0♉15	12°19	25°17	17°53	3°47	12°24	27° 6	13°40	21°19	25°40	26°51	25°31	n.a.	M 9
T 10	18 51 18	11°31'06	12° 8	14°20	26°21	17°38	3°42	12°31	27° 7	13°41	21°19	25°36	26°48	25°37	n.a.	T 10
W11	18 55 15	12°28'42	23°59	16°20	27°26	17°22	3°38	12°39	27° 8	13°42	21°18	25°31	26°45	25°44	n.a.	W11
T 12	18 59 11	13°26'19	5♊53	18°18	28°30	17° 7	3°33	12°46	27°10	13°44	21°17	25°24	26°42	25°51	n.a.	T 12
F 13	19 3 8	14°23'58	17°52	20°16	29°34	16°51	3°29	12°53	27°11	13°45	21°16	25°16	26°38	25°58	n.a.	F 13
S 14	19 7 4	15°21'39	29°58	22°12	0♍38	16°35	3°25	13° 0	27°12	13°46	21°15	25° 9	26°35	26° 4	n.a.	S 14
S 15	19 11 1	16°19'21	12♋13	24° 6	1°41	16°19	3°21	13° 7	27°14	13°48	21°14	25° 2	26°32	26°11	n.a.	S 15
M16	19 14 57	17°17'04	24°38	25°59	2°45	16° 3	3°18	13°14	27°15	13°49	21°13	24°57	26°29	26°18	n.a.	M16
T 17	19 18 54	18°14'49	7♌13	27°51	3°48	15°47	3°14	13°21	27°16	13°50	21°12	24°54	26°26	26°25	n.a.	T 17
W18	19 22 51	19°12'35	20° 0	29°41	4°51	15°31	3°11	13°28	27°17	13°51	21°11	24°D53	26°23	26°31	n.a.	W18
T 19	19 26 47	20°10'23	2♍59	1♌30	5°53	15°16	3° 7	13°35	27°18	13°52	21°10	24°53	26°19	26°38	n.a.	T 19
F 20	19 30 44	21° 8'12	16°11	3°18	6°56	15° 0	3° 5	13°42	27°19	13°53	21° 9	24°54	26°16	26°45	n.a.	F 20
S 21	19 34 40	22° 6'02	29°38	5° 4	7°58	14°45	3° 2	13°48	27°20	13°55	21° 8	24°56	26°13	26°51	n.a.	S 21
S 22	19 38 37	23° 3'53	13♎20	6°49	8°59	14°30	2°59	13°55	27°21	13°56	21° 7	24°57	26°10	26°58	n.a.	S 22
M23	19 42 33	24° 1'46	27°17	8°32	10° 1	14°15	2°57	14° 2	27°22	13°57	21° 6	24°R57	26° 7	27° 5	n.a.	M23
T 24	19 46 30	24°59'41	11♏30	10°14	11° 2	14° 1	2°54	14° 8	27°22	13°58	21° 5	24°56	26° 3	27°12	n.a.	T 24
W25	19 50 26	25°57'36	25°56	11°55	12° 3	13°48	2°52	14°15	27°23	13°59	21° 4	24°54	26° 0	27°18	n.a.	W25
T 26	19 54 23	26°55'34	10♐32	13°34	13° 3	13°34	2°50	14°21	27°24	13°59	21° 3	24°51	25°57	27°25	n.a.	T 26
F 27	19 58 20	27°53'32	25°11	15°12	14° 4	13°21	2°49	14°28	27°25	14° 0	21° 2	24°47	25°54	27°32	n.a.	F 27
S 28	20 2 16	28°51'33	9♑48	16°49	15° 3	13° 9	2°47	14°34	27°25	14° 1	21° 0	24°43	25°51	27°39	n.a.	S 28
S 29	20 6 13	29°49'34	24°16	18°25	16° 3	12°57	2°46	14°41	27°26	14° 2	20°59	24°40	25°48	27°45	n.a.	S 29
M30	20 10 9	0♌47'38	8♒29	19°59	17° 2	12°46	2°45	14°47	27°26	14° 3	20°58	24°38	25°44	27°52	n.a.	M30
T 31	20 14 6	1♌45'43	22♒22	21♌32	18♍ 1	12♑36	2♐44	14♊53	27♈27	14♉ 4	20♒57	24°D38	25♒41	27♉59	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n43	26s 3	3s17	24n48	1n 8	17n 5	1n 4	28s23	6s10	21s 8	0n11	21n31	0s55	10n 3	0s28	14n25	1s44	29s14	15s38	13s 5	12s34	24n 9		n.a.
M 2	23 41	22 30	2 12	24 59	1 15	16 42	1 0	28 28	6 14	21 7	0 11	21 33	0 55	10 4	0 28	14 26	1 44	29 15	15 38	13 7	12 36	24 10		n.a.
T 3	23 39	17 43	1 1	25 6	1 22	16 18	0 57	28 33	6 17	21 6	0 11	21 34	0 55	10 4	0 28	14 26	1 45	29 15	15 38	13 7	12 37	24 12		n.a.
W 4	23 37	12 11	0n12	25 11	1 28	15 53	0 53	28 38	6 20	21 5	0 11	21 35	0 55	10 5	0 28	14 27	1 45	29 16	15 39	13 8	12 38	24 14		n.a.
T 5	23 34	6 17	1 22	25 14	1 33	15 28	0 49	28 43	6 23	21 4	0 11	21 36	0 55	10 6	0 28	14 27	1 45	29 16	15 39	13 7	12 39	24 15		n.a.
F 6	23 31	0 18	2 25	25 13	1 37	15 3	0 45	28 48	6 26	21 3	0 11	21 37	0 55	10 6	0 28	14 27	1 45	29 17	15 39	13 7	12 40	24 17		n.a.
S 7	23 28	5n31	3 20	25 10	1 41	14 38	0 41	28 52	6 28	21 2	0 10	21 38	0 55	10 7	0 28	14 28	1 45	29 17	15 40	13 7	12 41	24 19		n.a.
S 8	23 24	11 1	4 5	25 4	1 43	14 12	0 37	28 57	6 31	21 2	0 10	21 39	0 55	10 7	0 28	14 28	1 45	29 18	15 40	13 7	12 42	24 21		n.a.
M 9	23 19	16 2	4 39	24 55	1 46	13 46	0 33	29 1	6 33	21 1	0 10	21 40	0 55	10 8	0 28	14 29	1 45	29 18	15 40	13 8	12 43	24 22		n.a.
T 10	23 14	20 25	5 0	24 44	1 47	13 20	0 28	29 5	6 35	21 0	0 10	21 41	0 55	10 8	0 28	14 29	1 45	29 19	15 40	13 9	12 44	24 24		n.a.
W11	23 9	23 59	5 8	24 31	1 48	12 53	0 24	29 9	6 37	20 59	0 10	21 42	0 55	10 9	0 28	14 29	1 45	29 20	15 41	13 11	12 45	24 26		n.a.
T 12	23 4	26 32	5 3	24 16	1 48	12 27	0 19	29 13	6 39	20 59	0 10	21 43	0 55	10 9	0 28	14 30	1 45	29 20	15 41	13 13	12 47	24 27		n.a.
F 13	22 57	27 55	4 45	23 58	1 47	12 0	0 14	29 17	6 40	20 58	0 9	21 44	0 55	10 10	0 28	14 30	1 45	29 21	15 41	13 16	12 48	24 29		n.a.
S 14	22 51	27 59	4 14	23 39	1 46	11 32	0 10	29 20	6 41	20 57	0 9	21 45	0 55	10 10	0 28	14 30	1 45	29 21	15 41	13 18	12 49	24 31		n.a.
S 15	22 44	26 40	3 31	23 17	1 45	11 5	0 5	29 23	6 43	20 57	0 9	21 45	0 55	10 11	0 28	14 31	1 45	29 22	15 42	13 20	12 50	24 32		n.a.
M16	22 37	24 3	2 37	22 54	1 43	10 37	0s 0	29 26	6 43	20 56	0 9	21 46	0 55	10 11	0 28	14 31	1 45	29 22	15 42	13 22	12 51	24 34		n.a.
T 17	22 29	20 14	1 35	22 29	1 40	10 9	0 5	29 29	6 44	20 56	0 9	21 47	0 55	10 11	0 28	14 31	1 45	29 23	15 42	13 23	12 52	24 36		n.a.
W18	22 21	15 25	0 27	22 3	1 37	9 42	0 11	29 32	6 45	20 55	0 9	21 48	0 55	10 12	0 28	14 32	1 45	29 23	15 42	13 24	12 53	24 37		n.a.
T 19	22 13	9 51	0s44	21 36	1 33	9 13	0 16	29 34	6 45	20 55	0 8	21 49	0 55	10 12	0 28	14 32	1 45	29 24	15 42	13 24	12 54	24 39		n.a.
F 20	22 4	3 47	1 54	21 7	1 29	8 45	0 21	29 36	6 45	20 55	0 8	21 50	0 55	10 13	0 28	14 32	1 45	29 25	15 43	13 23	12 55	24 41		n.a.
S 21	21 54	2s34	2 58	20 37	1 25	8 17	0 27	29 38	6 45	20 54	0 8	21 51	0 55	10 13	0 28	14 33	1 45	29 25	15 43	13 23	12 56	24 42		n.a.
S 22	21 45	8 55	3 54	20 6	1 20	7 48	0 32	29 39	6 45	20 54	0 8	21 52	0 55	10 13	0 28	14 33	1 45	29 26	15 43	13 22	12 57	24 44		n.a.
M23	21 35	14 56	4 37	19 34	1 15	7 19	0 38	29 40	6 44	20 53	0 8	21 52	0 55	10 13	0 28	14 33	1 45	29 26	15 43	13 22	12 59	24 45		n.a.
T 24	21 24	20 17	5 4	19 1	1 10	6 51	0 44	29 41	6 44	20 53	0 7	21 53	0 55	10 14	0 28	14 33	1 45	29 27	15 43	13 23	13 0	24 47		n.a.
W25	21 14	24 33	5 13	18 28	1 4	6 22	0 50	29 42	6 43	20 53	0 7	21 54	0 55	10 14	0 28	14 34	1 46	29 27	15 44	13 23	13 1	24 49		n.a.
T 26	21 2	27 17	5 1	17 53	0 58	5 53	0 56	29 42	6 42	20 53	0 7	21 55	0 55	10 14	0 29	14 34	1 46	29 28	15 44	13 24	13 2	24 50		n.a.
F 27	20 51	28 9	4 30	17 18	0 52	5 24	1 2	29 42	6 41	20 53	0 7	21 56	0 55	10 14	0 29	14 34	1 46	29 28	15 44	13 26	13 3	24 52		n.a.
S 28	20 39	27 4	3 41	16 43	0 45	4 55	1 8	29 42	6 39	20 52	0 7	21 56	0 55	10 15	0 29	14 34	1 46	29 29	15 44	13 27	13 4	24 53		n.a.
S 29	20 27	24 9	2 39	16 7	0 38	4 26	1 14	29 42	6 38	20 52	0 7	21 57	0 54	10 15	0 29	14 34	1 46	29 29	15 44	13 28	13 5	24 55		n.a.
M30	20 14	19 47	1 28	15 30	0 31	3 57	1 20	29 42	6 36	20 52	0 7	21 58	0 54	10 15	0 29	14 35	1 46	29 30	15 44	13 29	13 6	24 56		n.a.
T 31	20n 1	14s26	0s12	14n53	0n24	3n28	1s27	29s41	6s34	20s52	0n 6	21n59	0s54	10n15	0s29	14n35	1s46	29s30	15s45	13s29	13s 7	24n58		n.a.

Julian Day Number = 1570756.5, Delta T = 04h17m52s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'08, Lahiri = - 9°39'07 Julian Calendar 1 July 413 BCE == Greg. Calendar 26 June 413 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

AUGUST 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 18 2	2♌43'51	5♓52	23♌ 4	18♍59	12°R26	2°R43	14♊59	27♈27	14♉ 4	20°R56	24♒38	25♒38	28♉ 5	n.a.	W 1
T 2	20 21 59	3°42'00	18°59	24°34	19°57	12♑16	2♐43	15° 5	27°27	14° 5	20♒55	24°39	25°35	28°12	n.a.	T 2
F 3	20 25 55	4°40'11	1♈44	26° 3	20°54	12° 8	2°42	15°11	27°28	14° 6	20°54	24°40	25°32	28°19	n.a.	F 3
S 4	20 29 52	5°38'24	14°11	27°31	21°52	12° 0	2°D42	15°17	27°28	14° 6	20°52	24°42	25°29	28°26	n.a.	S 4
S 5	20 33 49	6°36'40	26°22	28°57	22°48	11°53	2°42	15°23	27°28	14° 7	20°51	24°43	25°25	28°32	n.a.	S 5
M 6	20 37 45	7°34'57	8♉23	0♍23	23°44	11°46	2°42	15°29	27°28	14° 8	20°50	24°R43	25°22	28°39	n.a.	M 6
T 7	20 41 42	8°33'17	20°17	1°46	24°40	11°40	2°43	15°35	27°28	14° 8	20°49	24°43	25°19	28°46	n.a.	T 7
W 8	20 45 38	9°31'40	2♊10	3° 9	25°35	11°35	2°43	15°41	27°R28	14° 9	20°48	24°42	25°16	28°52	n.a.	W 8
T 9	20 49 35	10°30'04	14° 5	4°30	26°30	11°31	2°44	15°46	27°28	14° 9	20°46	24°40	25°13	28°59	n.a.	T 9
F 10	20 53 31	11°28'31	26° 8	5°50	27°24	11°28	2°45	15°52	27°28	14°10	20°45	24°38	25° 9	29° 6	n.a.	F 10
S 11	20 57 28	12°26'59	8♋20	7° 8	28°18	11°25	2°46	15°57	27°28	14°10	20°44	24°36	25° 6	29°13	n.a.	S 11
S 12	21 1 24	13°25'30	20°45	8°24	29°11	11°23	2°48	16° 3	27°28	14°10	20°43	24°35	25° 3	29°19	n.a.	S 12
M13	21 5 21	14°24'03	3♌24	9°39	0♎ 3	11°22	2°49	16° 8	27°28	14°11	20°42	24°33	25° 0	29°26	n.a.	M13
T 14	21 9 18	15°22'38	16°17	10°53	0°55	11°D22	2°51	16°14	27°27	14°11	20°40	24°33	24°57	29°33	n.a.	T 14
W15	21 13 14	16°21'15	29°26	12° 4	1°47	11°22	2°53	16°19	27°27	14°11	20°39	24°D33	24°54	29°40	n.a.	W15
T 16	21 17 11	17°19'54	12♍49	13°14	2°37	11°24	2°55	16°24	27°27	14°12	20°38	24°33	24°50	29°46	n.a.	T 16
F 17	21 21 7	18°18'35	26°24	14°21	3°27	11°26	2°57	16°29	27°26	14°12	20°37	24°34	24°47	29°53	n.a.	F 17
S 18	21 25 4	19°17'18	10♎12	15°27	4°16	11°29	3° 0	16°34	27°26	14°12	20°36	24°34	24°44	29°59	n.a.	S 18
S 19	21 29 0	20°16'02	24° 9	16°31	5° 5	11°33	3° 2	16°39	27°25	14°12	20°34	24°35	24°41	0♊ 6	n.a.	S 19
M20	21 32 57	21°14'49	8♏14	17°32	5°52	11°37	3° 5	16°44	27°25	14°12	20°33	24°35	24°38	0°13	n.a.	M20
T 21	21 36 53	22°13'37	22°25	18°30	6°39	11°43	3° 8	16°48	27°24	14°12	20°32	24°R35	24°35	0°20	n.a.	T 21
W22	21 40 50	23°12'27	6♐39	19°26	7°25	11°49	3°11	16°53	27°24	14°12	20°31	24°35	24°31	0°27	n.a.	W22
T 23	21 44 46	24°11'19	20°55	20°19	8°11	11°56	3°15	16°58	27°23	14°R12	20°29	24°D35	24°28	0°33	n.a.	T 23
F 24	21 48 43	25°10'13	5♑ 8	21° 8	8°55	12° 3	3°18	17° 2	27°22	14°12	20°28	24°35	24°25	0°40	n.a.	F 24
S 25	21 52 40	26° 9'09	19°17	21°55	9°38	12°12	3°22	17° 6	27°21	14°12	20°27	24°35	24°22	0°47	n.a.	S 25
S 26	21 56 36	27° 8'06	3♒17	22°37	10°20	12°21	3°26	17°11	27°20	14°12	20°26	24°35	24°19	0°54	n.a.	S 26
M27	22 0 33	28° 7'06	17° 5	23°16	11° 2	12°31	3°30	17°15	27°19	14°12	20°25	24°35	24°15	1° 0	n.a.	M27
T 28	22 4 29	29° 6'08	0♓39	23°50	11°42	12°41	3°35	17°19	27°18	14°12	20°23	24°R35	24°12	1° 7	n.a.	T 28
W29	22 8 26	0♍ 5'11	13°55	24°19	12°21	12°52	3°39	17°23	27°17	14°12	20°22	24°35	24° 9	1°14	n.a.	W29
T 30	22 12 22	1° 4'17	26°55	24°43	12°59	13° 4	3°44	17°27	27°16	14°12	20°21	24°35	24° 6	1°20	n.a.	T 30
F 31	22 16 19	2♍ 3'25	9♈37	25♍ 2	13♎36	13♑17	3♐49	17♊31	27♈15	14♉11	20♒20	24♒34	24♒ 3	1♊27	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	19n48	8s32	1n 1	14n16	0n17	2n59	1s33	29s40	6s32	20s52	0n 6	21n59	0s54	10n15	0s29	14n35	1s46	29s31	15s45	13s29	13s 8	25n 0			n.a.
T 2	19 34	2 25	2 10	13 39	0 9	2 30	1 40	29 39	6 30	20 52	0 6	22 0	0 54	10 15	0 29	14 35	1 46	29 31	15 45	13 28	13 9	25 1			n.a.
F 3	19 21	3n36	3 10	13 1	0 2	2 1	1 46	29 37	6 28	20 52	0 6	22 1	0 54	10 15	0 29	14 35	1 46	29 32	15 45	13 28	13 11	25 3			n.a.
S 4	19 6	9 20	4 0	12 24	0s 6	1 33	1 53	29 35	6 25	20 53	0 6	22 1	0 54	10 16	0 29	14 35	1 46	29 33	15 45	13 27	13 12	25 4			n.a.
S 5	18 52	14 36	4 38	11 46	0 14	1 4	2 0	29 34	6 23	20 53	0 6	22 2	0 54	10 16	0 29	14 36	1 46	29 33	15 45	13 27	13 13	25 6			n.a.
M 6	18 37	19 15	5 3	11 8	0 22	0 35	2 7	29 32	6 20	20 53	0 5	22 3	0 54	10 16	0 29	14 36	1 46	29 34	15 45	13 27	13 14	25 7			n.a.
T 7	18 21	23 5	5 15	10 30	0 31	0 6	2 14	29 29	6 17	20 53	0 5	22 3	0 54	10 16	0 29	14 36	1 46	29 34	15 45	13 27	13 15	25 9			n.a.
W 8	18 6	25 58	5 13	9 53	0 39	0s22	2 20	29 27	6 15	20 53	0 5	22 4	0 54	10 16	0 29	14 36	1 46	29 35	15 46	13 28	13 16	25 10			n.a.
T 9	17 50	27 43	4 58	9 15	0 47	0 51	2 28	29 24	6 12	20 54	0 5	22 5	0 54	10 16	0 29	14 36	1 46	29 35	15 46	13 28	13 17	25 12			n.a.
F 10	17 34	28 11	4 29	8 38	0 56	1 19	2 35	29 22	6 9	20 54	0 5	22 5	0 54	10 16	0 29	14 36	1 46	29 36	15 46	13 29	13 18	25 13			n.a.
S 11	17 17	27 17	3 48	8 1	1 4	1 47	2 42	29 19	6 5	20 54	0 5	22 6	0 54	10 15	0 29	14 36	1 46	29 36	15 46	13 29	13 19	25 15			n.a.
S 12	17 0	25 1	2 56	7 24	1 13	2 15	2 49	29 16	6 2	20 55	0 4	22 6	0 54	10 15	0 29	14 36	1 46	29 37	15 46	13 30	13 20	25 16			n.a.
M13	16 43	21 30	1 54	6 48	1 21	2 43	2 56	29 13	5 59	20 55	0 4	22 7	0 54	10 15	0 29	14 36	1 47	29 37	15 46	13 30	13 21	25 17			n.a.
T 14	16 26	16 53	0 46	6 12	1 30	3 10	3 4	29 9	5 55	20 56	0 4	22 7	0 54	10 15	0 29	14 36	1 47	29 37	15 46	13 30	13 22	25 19			n.a.
W15	16 8	11 24	0s27	5 36	1 39	3 38	3 11	29 6	5 52	20 56	0 4	22 8	0 54	10 15	0 29	14 36	1 47	29 38	15 46	13 30	13 23	25 20			n.a.
T 16	15 50	5 18	1 39	5 2	1 47	4 5	3 18	29 2	5 49	20 57	0 4	22 9	0 54	10 15	0 29	14 36	1 47	29 38	15 46	13 30	13 25	25 22			n.a.
F 17	15 32	1s 7	2 47	4 28	1 55	4 32	3 26	28 59	5 45	20 57	0 4	22 9	0 54	10 15	0 29	14 36	1 47	29 39	15 46	13 30	13 26	25 23			n.a.
S 18	15 14	7 33	3 47	3 54	2 4	4 58	3 33	28 55	5 41	20 58	0 4	22 10	0 54	10 15	0 29	14 36	1 47	29 39	15 46	13 30	13 27	25 25			n.a.
S 19	14 55	13 42	4 33	3 22	2 12	5 25	3 41	28 51	5 38	20 59	0 3	22 10	0 54	10 14	0 29	14 36	1 47	29 40	15 46	13 30	13 28	25 26			n.a.
M20	14 36	19 13	5 4	2 50	2 20	5 51	3 48	28 47	5 34	20 59	0 3	22 11	0 54	10 14	0 29	14 36	1 47	29 40	15 46	13 30	13 29	25 27			n.a.
T 21	14 17	23 42	5 17	2 20	2 28	6 17	3 56	28 43	5 30	21 0	0 3	22 11	0 54	10 14	0 29	14 36	1 47	29 41	15 46	13 30	13 30	25 29			n.a.
W22	13 57	26 47	5 10	1 51	2 36	6 42	4 4	28 38	5 27	21 1	0 3	22 12	0 54	10 14	0 29	14 36	1 47	29 41	15 46	13 30	13 31	25 30			n.a.
T 23	13 38	28 9	4 44	1 23	2 44	7 7	4 11	28 34	5 23	21 2	0 3	22 12	0 54	10 13	0 29	14 36	1 47	29 41	15 46	13 30	13 32	25 32			n.a.
F 24	13 18	27 40	4 1	0 56	2 51	7 32	4 19	28 29	5 19	21 3	0 3	22 12	0 54	10 13	0 29	14 36	1 47	29 42	15 46	13 30	13 33	25 33			n.a.
S 25	12 58	25 22	3 3	0 32	2 58	7 56	4 26	28 25	5 16	21 3	0 3	22 13	0 54	10 13	0 29	14 36	1 47	29 42	15 46	13 30	13 34	25 34			n.a.
S 26	12 37	21 33	1 55	0 9	3 5	8 20	4 34	28 20	5 12	21 4	0 2	22 13	0 54	10 12	0 29	14 36	1 47	29 43	15 46	13 30	13 35	25 36			n.a.
M27	12 17	16 34	0 41	0s13	3 11	8 43	4 42	28 15	5 8	21 5	0 2	22 14	0 54	10 12	0 29	14 36	1 47	29 43	15 46	13 30	13 36	25 37			n.a.
T 28	11 56	10 52	0n33	0 31	3 17	9 6	4 49	28 11	5 4	21 6	0 2	22 14	0 54	10 12	0 29	14 36	1 47	29 43	15 46	13 30	13 37	25 38			n.a.
W29	11 35	4 47	1 45	0 48	3 22	9 29	4 57	28 6	5 0	21 7	0 2	22 14	0 54	10 11	0 29	14 36	1 47	29 44	15 46	13 30	13 38	25 40			n.a.
T 30	11 14	1n21	2 50	1 2	3 27	9 51	5 4	28 1	4 57	21 8	0 2	22 15	0 54	10 11	0 29	14 36	1 47	29 44	15 46	13 30	13 40	25 41			n.a.
F 31	10n53	7n17	3n44	1s13	3s31	10s12	5s12	27s56	4s53	21s 9	0n 2	22n15	0s54	10n11	0s29	14n35	1s48	29s45	15s46	13s30	13s41	25n42			n.a.

Julian Day Number = 1570787.5, Delta T = 04h17m51s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°46'04, Lahiri = - 9°39'03 Julian Calendar 1 Aug. 413 BCE == Greg. Calendar 27 July 413 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

SEPTEMBER 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 20 15	3♍ 2'36	22♈ 2	25♍15	14♎11	13♑30	3♐54	17♊35	27°R14	14°R11	20°R19	24°R33	24♒ 0	1♊34	n.a.	S 1
S 2	22 24 12	4° 1'49	4♉14	25°R21	14°45	13°44	3°59	17°38	27♈13	14♉11	20♒17	24♒31	23°56	1°41	n.a.	S 2
M 3	22 28 9	5° 1'04	16°15	25°20	15°18	13°59	4° 4	17°42	27°12	14°10	20°16	24°30	23°53	1°47	n.a.	M 3
T 4	22 32 5	6° 0'22	28°10	25°12	15°50	14°14	4°10	17°45	27°10	14°10	20°15	24°30	23°50	1°54	n.a.	T 4
W 5	22 36 2	6°59'42	10♊ 3	24°56	16°20	14°30	4°15	17°49	27° 9	14°10	20°14	24°D30	23°47	2° 1	n.a.	W 5
T 6	22 39 58	7°59'05	21°58	24°33	16°48	14°46	4°21	17°52	27° 8	14° 9	20°13	24°30	23°44	2° 7	n.a.	T 6
F 7	22 43 55	8°58'30	4♋ 1	24° 1	17°15	15° 3	4°27	17°55	27° 6	14° 9	20°12	24°31	23°40	2°14	n.a.	F 7
S 8	22 47 51	9°57'57	16°15	23°21	17°41	15°21	4°33	17°58	27° 5	14° 8	20°10	24°32	23°37	2°21	n.a.	S 8
S 9	22 51 48	10°57'27	28°45	22°33	18° 4	15°39	4°39	18° 1	27° 3	14° 7	20° 9	24°34	23°34	2°28	n.a.	S 9
M10	22 55 44	11°56'59	11♌34	21°38	18°26	15°57	4°46	18° 4	27° 2	14° 7	20° 8	24°35	23°31	2°34	n.a.	M10
T 11	22 59 41	12°56'33	24°42	20°37	18°46	16°17	4°53	18° 7	27° 0	14° 6	20° 7	24°R35	23°28	2°41	n.a.	T 11
W12	23 3 38	13°56'10	8♍11	19°30	19° 5	16°36	4°59	18°10	26°59	14° 6	20° 6	24°35	23°25	2°48	n.a.	W12
T 13	23 7 34	14°55'49	22° 0	18°19	19°21	16°57	5° 6	18°12	26°57	14° 5	20° 5	24°33	23°21	2°55	n.a.	T 13
F 14	23 11 31	15°55'29	6♎ 4	17° 5	19°35	17°17	5°13	18°15	26°55	14° 4	20° 4	24°31	23°18	3° 1	n.a.	F 14
S 15	23 15 27	16°55'12	20°20	15°52	19°48	17°39	5°21	18°17	26°54	14° 4	20° 3	24°28	23°15	3° 8	n.a.	S 15
S 16	23 19 24	17°54'57	4♏42	14°40	19°58	18° 1	5°28	18°19	26°52	14° 3	20° 2	24°24	23°12	3°15	n.a.	S 16
M17	23 23 20	18°54'44	19° 6	13°33	20° 6	18°23	5°35	18°21	26°50	14° 2	20° 1	24°21	23° 9	3°21	n.a.	M17
T 18	23 27 17	19°54'32	3♐27	12°32	20°11	18°46	5°43	18°23	26°48	14° 1	20° 0	24°19	23° 6	3°28	n.a.	T 18
W19	23 31 13	20°54'23	17°42	11°38	20°15	19° 9	5°51	18°25	26°46	14° 0	19°59	24°D19	23° 2	3°35	n.a.	W19
T 20	23 35 10	21°54'15	1♑47	10°54	20°R16	19°33	5°59	18°27	26°44	13°59	19°58	24°19	22°59	3°42	n.a.	T 20
F 21	23 39 6	22°54'09	15°43	10°21	20°15	19°57	6° 7	18°29	26°43	13°58	19°57	24°20	22°56	3°48	n.a.	F 21
S 22	23 43 3	23°54'04	29°27	9°58	20°11	20°21	6°15	18°30	26°41	13°58	19°56	24°22	22°53	3°55	n.a.	S 22
S 23	23 47 0	24°54'02	13♒ 0	9°D47	20° 5	20°46	6°24	18°32	26°39	13°57	19°55	24°23	22°50	4° 2	n.a.	S 23
M24	23 50 56	25°54'01	26°21	9°47	19°57	21°11	6°32	18°33	26°36	13°56	19°54	24°R23	22°46	4° 8	n.a.	M24
T 25	23 54 53	26°54'02	9♓31	9°59	19°46	21°37	6°41	18°34	26°34	13°55	19°53	24°22	22°43	4°15	n.a.	T 25
W26	23 58 49	27°54'05	22°28	10°20	19°32	22° 3	6°50	18°36	26°32	13°53	19°52	24°20	22°40	4°22	n.a.	W26
T 27	0 2 46	28°54'09	5♈12	10°52	19°16	22°30	6°58	18°37	26°30	13°52	19°51	24°15	22°37	4°29	n.a.	T 27
F 28	0 6 42	29°54'16	17°44	11°32	18°58	22°56	7° 7	18°38	26°28	13°51	19°50	24° 9	22°34	4°35	n.a.	F 28
S 29	0 10 39	0♎54'25	0♉ 4	12°21	18°38	23°24	7°17	18°38	26°26	13°50	19°49	24° 3	22°31	4°42	n.a.	S 29
S 30	0 14 35	1♎54'36	12♉12	13♍17	18♎15	23♑51	7♐26	18♊39	26♈24	13♉49	19♒48	23♒56	22♒27	4♊49	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	10n31	12n48	4n27	1s21	3s34	10s33	5s20	27s50	4s49	21s10	0n 2	22n16	0s54	10n10	0s29	14n35	1s48	29s45	15s46	13s31	13s42	25n44		n.a.	
S 2	10 9	17 44	4 57	1 25	3 36	10 54	5 27	27 45	4 45	21 12	0 1	22 16	0 54	10 10	0 29	14 35	1 48	29 45	15 46	13 31	13 43	25 45		n.a.	
M 3	9 48	21 54	5 13	1 26	3 37	11 13	5 34	27 40	4 41	21 13	0 1	22 16	0 54	10 9	0 29	14 35	1 48	29 46	15 46	13 31	13 44	25 46		n.a.	
T 4	9 26	25 7	5 16	1 23	3 37	11 33	5 42	27 34	4 38	21 14	0 1	22 16	0 54	10 9	0 29	14 35	1 48	29 46	15 46	13 32	13 45	25 48		n.a.	
W 5	9 3	27 16	5 5	1 15	3 35	11 51	5 49	27 29	4 34	21 15	0 1	22 17	0 54	10 8	0 29	14 35	1 48	29 46	15 46	13 32	13 46	25 49		n.a.	
T 6	8 41	28 10	4 41	1 3	3 32	12 9	5 56	27 23	4 30	21 16	0 1	22 17	0 54	10 8	0 29	14 35	1 48	29 47	15 46	13 31	13 47	25 50		n.a.	
F 7	8 18	27 45	4 4	0 46	3 28	12 26	6 3	27 18	4 26	21 17	0 1	22 17	0 54	10 7	0 29	14 34	1 48	29 47	15 45	13 31	13 48	25 51		n.a.	
S 8	7 56	25 59	3 16	0 24	3 22	12 42	6 10	27 12	4 23	21 19	0 1	22 18	0 54	10 7	0 29	14 34	1 48	29 47	15 45	13 31	13 49	25 53		n.a.	
S 9	7 33	22 55	2 18	0n 2	3 13	12 57	6 17	27 6	4 19	21 20	0 1	22 18	0 54	10 6	0 29	14 34	1 48	29 47	15 45	13 30	13 50	25 54		n.a.	
M10	7 10	18 41	1 11	0 33	3 3	13 12	6 23	27 0	4 15	21 21	0 0	22 18	0 54	10 6	0 29	14 34	1 48	29 48	15 45	13 30	13 51	25 55		n.a.	
T 11	6 47	13 27	0s 1	1 9	2 51	13 26	6 30	26 54	4 12	21 23	0 0	22 18	0 54	10 5	0 29	14 33	1 48	29 48	15 45	13 30	13 52	25 56		n.a.	
W12	6 24	7 28	1 14	1 48	2 37	13 39	6 36	26 48	4 8	21 24	0 0	22 19	0 54	10 4	0 29	14 33	1 48	29 48	15 45	13 30	13 53	25 58		n.a.	
T 13	6 1	1 0	2 25	2 31	2 21	13 51	6 42	26 42	4 5	21 25	0 0	22 19	0 54	10 4	0 29	14 33	1 48	29 49	15 45	13 30	13 54	25 59		n.a.	
F 14	5 37	5s37	3 29	3 16	2 4	14 1	6 48	26 36	4 1	21 27	0s 0	22 19	0 54	10 3	0 29	14 33	1 48	29 49	15 45	13 31	13 55	26 0		n.a.	
S 15	5 14	12 3	4 20	4 2	1 45	14 11	6 53	26 29	3 57	21 28	0 0	22 19	0 54	10 2	0 29	14 32	1 48	29 49	15 44	13 32	13 57	26 1		n.a.	
S 16	4 50	17 53	4 55	4 48	1 26	14 20	6 58	26 23	3 54	21 30	0 0	22 19	0 54	10 2	0 29	14 32	1 48	29 49	15 44	13 33	13 58	26 3		n.a.	
M17	4 26	22 43	5 12	5 33	1 5	14 28	7 3	26 16	3 50	21 31	0 0	22 20	0 54	10 1	0 29	14 32	1 48	29 49	15 44	13 34	13 59	26 4		n.a.	
T 18	4 3	26 11	5 10	6 15	0 45	14 34	7 8	26 10	3 47	21 33	0 1	22 20	0 54	10 0	0 29	14 32	1 48	29 50	15 44	13 35	14 0	26 5		n.a.	
W19	3 39	27 57	4 48	6 55	0 24	14 39	7 12	26 3	3 44	21 34	0 1	22 20	0 54	10 0	0 29	14 31	1 48	29 50	15 44	13 35	14 1	26 6		n.a.	
T 20	3 15	27 53	4 9	7 30	0 4	14 43	7 16	25 56	3 40	21 36	0 1	22 20	0 54	9 59	0 29	14 31	1 49	29 50	15 44	13 35	14 2	26 7		n.a.	
F 21	2 51	26 3	3 16	8 0	0n14	14 46	7 19	25 49	3 37	21 37	0 1	22 20	0 54	9 58	0 29	14 31	1 49	29 50	15 43	13 35	14 3	26 8		n.a.	
S 22	2 27	22 41	2 12	8 25	0 32	14 47	7 22	25 42	3 33	21 39	0 1	22 20	0 54	9 58	0 29	14 30	1 49	29 50	15 43	13 34	14 4	26 10		n.a.	
S 23	2 3	18 7	1 2	8 45	0 48	14 47	7 24	25 35	3 30	21 40	0 1	22 21	0 54	9 57	0 29	14 30	1 49	29 51	15 43	13 34	14 5	26 11		n.a.	
M24	1 39	12 44	0n11	8 58	1 3	14 45	7 26	25 27	3 27	21 42	0 1	22 21	0 54	9 56	0 29	14 30	1 49	29 51	15 43	13 34	14 6	26 12		n.a.	
T 25	1 15	6 51	1 22	9 6	1 16	14 42	7 27	25 20	3 24	21 44	0 1	22 21	0 54	9 55	0 29	14 29	1 49	29 51	15 43	13 34	14 7	26 13		n.a.	
W26	0 51	0 47	2 27	9 8	1 28	14 37	7 28	25 12	3 20	21 45	0 2	22 21	0 54	9 55	0 29	14 29	1 49	29 51	15 43	13 35	14 8	26 14		n.a.	
T 27	0 27	5n12	3 24	9 5	1 38	14 31	7 28	25 5	3 17	21 47	0 2	22 21	0 54	9 54	0 29	14 29	1 49	29 51	15 42	13 36	14 9	26 15		n.a.	
F 28	0 2	10 53	4 10	8 58	1 46	14 23	7 27	24 57	3 14	21 49	0 2	22 21	0 54	9 53	0 29	14 28	1 49	29 51	15 42	13 38	14 10	26 16		n.a.	
S 29	0s22	16 3	4 43	8 45	1 53	14 14	7 26	24 49	3 11	21 50	0 2	22 21	0 54	9 52	0 29	14 28	1 49	29 51	15 42	13 41	14 11	26 17		n.a.	
S 30	0s46	20n30	5n 3	8n29	1n59	14s 3	7s24	24s41	3s 8	21s52	0s 2	22n21	0s54	9n51	0s29	14n28	1s49	29s51	15s42	13s43	14s12	26n19		n.a.	

Julian Day Number = 1570818.5, Delta T = 04h17m49s
Ecliptic obliquity = 23°44'51, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'59, Lahiri = - 9°38'59 Julian Calendar 1 Sept. 413 BCE == Greg. Calendar 27 Aug. 413 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

OCTOBER 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 18 32	2♎54'49	24♉12	14♍19	17°R51	24♏19	7♐35	18♊40	26°R21	13°R48	19°R47	23°R49	22♒24	4♊56	n.a.	M 1
T 2	0 22 29	3°55'04	6♊ 6	15°27	17♎24	24°47	7°45	18°40	26♈19	13♉47	19♒47	23♒44	22°21	5° 2	n.a.	T 2
W 3	0 26 25	4°55'22	17°57	16°39	16°55	25°15	7°54	18°41	26°17	13°45	19°46	23°40	22°18	5° 9	n.a.	W 3
T 4	0 30 22	5°55'41	29°50	17°56	16°25	25°44	8° 4	18°41	26°15	13°44	19°45	23°39	22°15	5°16	n.a.	T 4
F 5	0 34 18	6°56'03	11♋50	19°17	15°53	26°13	8°14	18°41	26°12	13°43	19°44	23°D38	22°12	5°22	n.a.	F 5
S 6	0 38 15	7°56'26	24° 1	20°40	15°20	26°42	8°24	18°R41	26°10	13°42	19°43	23°39	22° 8	5°29	n.a.	S 6
S 7	0 42 11	8°56'52	6♌30	22° 6	14°46	27°12	8°34	18°41	26° 8	13°40	19°43	23°41	22° 5	5°36	n.a.	S 7
M 8	0 46 8	9°57'20	19°19	23°34	14°11	27°42	8°44	18°41	26° 5	13°39	19°42	23°R42	22° 2	5°43	n.a.	M 8
T 9	0 50 4	10°57'50	2♍34	25° 3	13°35	28°12	8°55	18°40	26° 3	13°38	19°41	23°42	21°59	5°49	n.a.	T 9
W10	0 54 1	11°58'21	16°14	26°34	12°59	28°42	9° 5	18°40	26° 0	13°36	19°41	23°39	21°56	5°56	n.a.	W10
T 11	0 57 58	12°58'54	0♎20	28° 6	12°23	29°13	9°16	18°39	25°58	13°35	19°40	23°35	21°52	6° 3	n.a.	T 11
F 12	1 1 54	13°59'29	14°48	29°39	11°47	29°44	9°26	18°39	25°56	13°33	19°39	23°28	21°49	6° 9	n.a.	F 12
S 13	1 5 51	15° 0'06	29°32	1♎13	11°11	0♒15	9°37	18°38	25°53	13°32	19°39	23°20	21°46	6°16	n.a.	S 13
S 14	1 9 47	16° 0'45	14♏24	2°47	10°35	0°47	9°48	18°37	25°51	13°30	19°38	23°12	21°43	6°23	n.a.	S 14
M15	1 13 44	17° 1'25	29°15	4°22	10° 1	1°18	9°59	18°36	25°48	13°29	19°38	23° 4	21°40	6°30	n.a.	M15
T 16	1 17 40	18° 2'06	13♐56	5°57	9°27	1°50	10°10	18°35	25°46	13°27	19°37	22°57	21°37	6°36	n.a.	T 16
W17	1 21 37	19° 2'49	28°24	7°32	8°55	2°22	10°21	18°34	25°43	13°26	19°36	22°53	21°33	6°43	n.a.	W17
T 18	1 25 33	20° 3'33	12♑33	9° 8	8°24	2°55	10°32	18°32	25°41	13°24	19°36	22°51	21°30	6°50	n.a.	T 18
F 19	1 29 30	21° 4'18	26°23	10°43	7°55	3°27	10°44	18°31	25°38	13°23	19°35	22°D51	21°27	6°56	n.a.	F 19
S 20	1 33 27	22° 5'04	9♒54	12°18	7°27	4° 0	10°55	18°29	25°36	13°21	19°35	22°52	21°24	7° 3	n.a.	S 20
S 21	1 37 23	23° 5'51	23° 9	13°54	7° 1	4°33	11° 7	18°28	25°33	13°20	19°35	22°R52	21°21	7°10	n.a.	S 21
M22	1 41 20	24° 6'39	6♓10	15°29	6°38	5° 6	11°18	18°26	25°31	13°18	19°34	22°51	21°17	7°17	n.a.	M22
T 23	1 45 16	25° 7'29	18°57	17° 4	6°17	5°40	11°30	18°24	25°28	13°17	19°34	22°48	21°14	7°23	n.a.	T 23
W24	1 49 13	26° 8'19	1♈34	18°40	5°58	6°13	11°42	18°22	25°26	13°15	19°33	22°42	21°11	7°30	n.a.	W24
T 25	1 53 9	27° 9'11	14° 2	20°15	5°41	6°47	11°54	18°20	25°23	13°13	19°33	22°33	21° 8	7°37	n.a.	T 25
F 26	1 57 6	28°10'04	26°20	21°50	5°27	7°21	12° 5	18°18	25°21	13°12	19°33	22°22	21° 5	7°44	n.a.	F 26
S 27	2 1 2	29°10'59	8♉30	23°25	5°15	7°54	12°17	18°15	25°18	13°10	19°32	22° 9	21° 2	7°50	n.a.	S 27
S 28	2 4 59	0♏11'54	20°33	24°59	5° 6	8°29	12°30	18°13	25°16	13° 8	19°32	21°56	20°58	7°57	n.a.	S 28
M29	2 8 55	1°12'51	2♊29	26°34	4°59	9° 3	12°42	18°10	25°13	13° 7	19°32	21°43	20°55	8° 4	n.a.	M29
T 30	2 12 52	2°13'50	14°21	28° 9	4°55	9°37	12°54	18° 8	25°11	13° 5	19°32	21°32	20°52	8°10	n.a.	T 30
W31	2 16 49	3♏14'49	26♊11	29♎43	4°D53	10♒12	13♐ 6	18♊ 5	25♈ 8	13♉ 3	19♒31	21♒23	20♒49	8♊17	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
M 1	1s10	24n 3	5n10	8n 8	2n 3	13s51	7s21	24s33	3s 5	21s54	0s 2	22n21	0s54	9n51	0s29	14n27	1s49	29s51	15s41	13s45	14s13	26n20			n.a.
T 2	1 35	26 34	5 2	7 45	2 6	13 37	7 17	24 25	3 2	21 55	0 2	22 21	0 54	9 50	0 29	14 27	1 49	29 51	15 41	13 47	14 14	26 21			n.a.
W 3	1 59	27 53	4 42	7 18	2 8	13 22	7 12	24 17	2 59	21 57	0 2	22 21	0 54	9 49	0 29	14 26	1 49	29 52	15 41	13 48	14 15	26 22			n.a.
T 4	2 23	27 55	4 10	6 48	2 9	13 5	7 7	24 9	2 56	21 59	0 2	22 21	0 54	9 48	0 29	14 26	1 49	29 52	15 41	13 49	14 16	26 23			n.a.
F 5	2 47	26 39	3 27	6 16	2 9	12 47	7 1	24 0	2 53	22 0	0 3	22 21	0 54	9 47	0 29	14 25	1 49	29 52	15 40	13 49	14 18	26 24			n.a.
S 6	3 11	24 6	2 33	5 43	2 9	12 27	6 54	23 51	2 50	22 2	0 3	22 21	0 54	9 46	0 29	14 25	1 49	29 52	15 40	13 48	14 19	26 25			n.a.
S 7	3 35	20 22	1 32	5 7	2 7	12 6	6 46	23 43	2 47	22 4	0 3	22 21	0 54	9 46	0 29	14 25	1 49	29 52	15 40	13 48	14 20	26 26			n.a.
M 8	4 0	15 35	0 24	4 30	2 5	11 44	6 37	23 34	2 44	22 5	0 3	22 21	0 54	9 45	0 29	14 24	1 49	29 52	15 40	13 48	14 21	26 27			n.a.
T 9	4 24	9 57	0s48	3 51	2 2	11 21	6 27	23 25	2 41	22 7	0 3	22 21	0 54	9 44	0 29	14 24	1 49	29 52	15 39	13 48	14 22	26 28			n.a.
W10	4 48	3 41	1 58	3 12	1 59	10 58	6 17	23 16	2 38	22 9	0 3	22 21	0 54	9 43	0 29	14 23	1 49	29 52	15 39	13 48	14 23	26 29			n.a.
T 11	5 11	2s56	3 4	2 31	1 55	10 33	6 6	23 7	2 36	22 11	0 3	22 21	0 54	9 42	0 29	14 23	1 49	29 52	15 39	13 50	14 24	26 30			n.a.
F 12	5 35	9 34	3 59	1 50	1 51	10 8	5 54	22 57	2 33	22 12	0 3	22 21	0 54	9 41	0 29	14 22	1 49	29 52	15 39	13 52	14 25	26 31			n.a.
S 13	5 59	15 48	4 40	1 8	1 46	9 42	5 42	22 48	2 30	22 14	0 3	22 21	0 54	9 40	0 29	14 22	1 49	29 52	15 38	13 55	14 26	26 32			n.a.
S 14	6 23	21 9	5 2	0 25	1 41	9 16	5 29	22 38	2 27	22 16	0 4	22 21	0 54	9 39	0 29	14 22	1 49	29 51	15 38	13 58	14 27	26 33			n.a.
M15	6 46	25 11	5 4	0s17	1 36	8 50	5 16	22 29	2 25	22 18	0 4	22 21	0 54	9 38	0 29	14 21	1 49	29 51	15 38	14 0	14 28	26 34			n.a.
T 16	7 10	27 29	4 45	1 1	1 31	8 24	5 2	22 19	2 22	22 19	0 4	22 21	0 54	9 37	0 29	14 21	1 49	29 51	15 37	14 2	14 29	26 35			n.a.
W17	7 33	27 53	4 9	1 44	1 25	7 58	4 47	22 9	2 20	22 21	0 4	22 21	0 54	9 37	0 29	14 20	1 49	29 51	15 37	14 4	14 30	26 36			n.a.
T 18	7 56	26 26	3 18	2 27	1 19	7 32	4 33	21 59	2 17	22 23	0 4	22 21	0 54	9 36	0 29	14 20	1 49	29 51	15 37	14 5	14 31	26 37			n.a.
F 19	8 19	23 23	2 17	3 11	1 13	7 7	4 18	21 49	2 14	22 25	0 4	22 20	0 54	9 35	0 29	14 19	1 49	29 51	15 37	14 5	14 32	26 38			n.a.
S 20	8 42	19 6	1 9	3 54	1 7	6 42	4 2	21 38	2 12	22 26	0 4	22 20	0 54	9 34	0 29	14 19	1 49	29 51	15 36	14 4	14 33	26 39			n.a.
S 21	9 5	13 57	0n 2	4 37	1 0	6 17	3 47	21 28	2 9	22 28	0 4	22 20	0 54	9 33	0 29	14 18	1 49	29 51	15 36	14 4	14 34	26 40			n.a.
M22	9 28	8 17	1 10	5 21	0 54	5 54	3 32	21 17	2 7	22 30	0 4	22 20	0 54	9 32	0 29	14 18	1 50	29 51	15 36	14 4	14 35	26 41			n.a.
T 23	9 51	2 22	2 14	6 4	0 48	5 31	3 16	21 7	2 5	22 32	0 5	22 20	0 54	9 31	0 29	14 17	1 50	29 50	15 35	14 5	14 36	26 42			n.a.
W24	10 13	3n32	3 11	6 46	0 41	5 9	3 1	20 56	2 2	22 33	0 5	22 20	0 54	9 30	0 29	14 17	1 50	29 50	15 35	14 7	14 37	26 43			n.a.
T 25	10 35	9 14	3 57	7 29	0 34	4 49	2 45	20 45	2 0	22 35	0 5	22 20	0 54	9 29	0 29	14 16	1 50	29 50	15 35	14 10	14 38	26 44			n.a.
F 26	10 57	14 30	4 31	8 11	0 28	4 29	2 30	20 34	1 57	22 37	0 5	22 19	0 54	9 28	0 29	14 16	1 50	29 50	15 34	14 14	14 39	26 44			n.a.
S 27	11 19	19 8	4 53	8 53	0 21	4 11	2 15	20 23	1 55	22 38	0 5	22 19	0 54	9 27	0 29	14 15	1 50	29 50	15 34	14 18	14 40	26 45			n.a.
S 28	11 41	22 57	5 1	9 34	0 14	3 53	2 0	20 11	1 53	22 40	0 5	22 19	0 54	9 26	0 29	14 15	1 50	29 49	15 34	14 23	14 41	26 46			n.a.
M29	12 3	25 45	4 56	10 15	0 8	3 37	1 46	20 0	1 51	22 42	0 5	22 19	0 54	9 26	0 29	14 14	1 50	29 49	15 33	14 27	14 42	26 47			n.a.
T 30	12 24	27 25	4 38	10 56	0 1	3 22	1 31	19 48	1 48	22 43	0 5	22 19	0 54	9 25	0 29	14 14	1 50	29 49	15 33	14 30	14 43	26 48			n.a.
W31	12s45	27n50	4n 8	11s36	0s 5	3s 9	1s17	19s37	1s46	22s45	0s 5	22n18	0s54	9n24	0s29	14n13	1s50	29s49	15s33	14s33	14s44	26n49			n.a.

Julian Day Number = 1570848.5, Delta T = 04h17m48s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'55, Lahiri = - 9°38'55 Julian Calendar 1 Oct. 413 BCE == Greg. Calendar 26 Sept. 413 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

NOVEMBER 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 20 45	4♏15'50	8♋ 2	1♏18	4♎54	10♒47	13♐19	18°R 2	25°R 6	13°R 2	19°R31	21°R18	20♒46	8♊24	n.a.	T 1
F 2	2 24 42	5°16'52	19°59	2°52	4°57	11°22	13°31	17♊59	25♈ 3	13♉ 0	19♒31	21♒14	20°43	8°31	n.a.	F 2
S 3	2 28 38	6°17'56	2♌ 7	4°26	5° 3	11°57	13°44	17°56	25° 1	12°58	19°31	21°D13	20°39	8°37	n.a.	S 3
S 4	2 32 35	7°19'00	14°30	6° 1	5°11	12°32	13°56	17°53	24°58	12°57	19°31	21°R13	20°36	8°44	n.a.	S 4
M 5	2 36 31	8°20'06	27°14	7°35	5°21	13° 7	14° 9	17°50	24°56	12°55	19°31	21°13	20°33	8°51	n.a.	M 5
T 6	2 40 28	9°21'13	10♍24	9°10	5°33	13°42	14°22	17°47	24°53	12°53	19°31	21°12	20°30	8°57	n.a.	T 6
W 7	2 44 25	10°22'21	24° 3	10°44	5°48	14°18	14°35	17°44	24°51	12°52	19°31	21° 8	20°27	9° 4	n.a.	W 7
T 8	2 48 21	11°23'31	8♎11	12°18	6° 4	14°54	14°47	17°40	24°49	12°50	19°D31	21° 2	20°23	9°11	n.a.	T 8
F 9	2 52 18	12°24'41	22°48	13°53	6°23	15°29	15° 0	17°37	24°46	12°48	19°31	20°53	20°20	9°18	n.a.	F 9
S 10	2 56 14	13°25'52	7♏47	15°27	6°44	16° 5	15°13	17°33	24°44	12°46	19°31	20°42	20°17	9°24	n.a.	S 10
S 11	3 0 11	14°27'04	23° 0	17° 2	7° 6	16°41	15°26	17°29	24°41	12°45	19°31	20°30	20°14	9°31	n.a.	S 11
M12	3 4 7	15°28'16	8♐14	18°37	7°31	17°17	15°40	17°25	24°39	12°43	19°31	20°19	20°11	9°38	n.a.	M12
T 13	3 8 4	16°29'30	23°19	20°12	7°57	17°54	15°53	17°22	24°37	12°41	19°31	20° 9	20° 8	9°44	n.a.	T 13
W14	3 12 0	17°30'43	8♑ 7	21°47	8°25	18°30	16° 6	17°18	24°35	12°40	19°31	20° 2	20° 4	9°51	n.a.	W14
T 15	3 15 57	18°31'57	22°30	23°22	8°55	19° 6	16°19	17°14	24°32	12°38	19°31	19°58	20° 1	9°58	n.a.	T 15
F 16	3 19 54	19°33'11	6♒29	24°57	9°26	19°43	16°32	17°10	24°30	12°36	19°31	19°57	19°58	10° 5	n.a.	F 16
S 17	3 23 50	20°34'25	20° 1	26°32	9°58	20°19	16°46	17° 6	24°28	12°35	19°32	19°57	19°55	10°11	n.a.	S 17
S 18	3 27 47	21°35'40	3♓11	28° 8	10°32	20°56	16°59	17° 1	24°26	12°33	19°32	19°56	19°52	10°18	n.a.	S 18
M19	3 31 43	22°36'54	16° 2	29°43	11° 8	21°33	17°13	16°57	24°24	12°31	19°32	19°55	19°49	10°25	n.a.	M19
T 20	3 35 40	23°38'08	28°37	1♐19	11°45	22°10	17°26	16°53	24°21	12°30	19°32	19°51	19°45	10°31	n.a.	T 20
W21	3 39 36	24°39'23	11♈ 0	2°55	12°23	22°47	17°40	16°48	24°19	12°28	19°33	19°44	19°42	10°38	n.a.	W21
T 22	3 43 33	25°40'38	23°13	4°31	13° 3	23°24	17°53	16°44	24°17	12°26	19°33	19°34	19°39	10°45	n.a.	T 22
F 23	3 47 29	26°41'52	5♉19	6° 7	13°43	24° 1	18° 7	16°39	24°15	12°25	19°33	19°22	19°36	10°52	n.a.	F 23
S 24	3 51 26	27°43'07	17°20	7°43	14°25	24°38	18°21	16°35	24°13	12°23	19°34	19° 7	19°33	10°58	n.a.	S 24
S 25	3 55 23	28°44'22	29°16	9°20	15° 8	25°15	18°34	16°30	24°11	12°21	19°34	18°52	19°29	11° 5	n.a.	S 25
M26	3 59 19	29°45'38	11♊ 9	10°56	15°52	25°52	18°48	16°26	24° 9	12°20	19°34	18°38	19°26	11°12	n.a.	M26
T 27	4 3 16	0♐46'53	23° 1	12°32	16°38	26°30	19° 2	16°21	24° 8	12°18	19°35	18°25	19°23	11°18	n.a.	T 27
W28	4 7 12	1°48'09	4♋52	14° 8	17°24	27° 7	19°16	16°16	24° 6	12°16	19°35	18°15	19°20	11°25	n.a.	W28
T 29	4 11 9	2°49'24	16°45	15°44	18°11	27°45	19°29	16°12	24° 4	12°15	19°36	18° 8	19°17	11°32	n.a.	T 29
F 30	4 15 5	3♐50'40	28♋43	17♐20	18♎59	28♒22	19♐43	16♊ 7	24♈ 2	12♉13	19♒36	18♒ 4	19♒14	11♊39	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s 6	26n57	3n28	12s16	0s12	2s57	1s 4	19s25	1s44	22s47	0s 5	22n18	0s54	9n23	0s29	14n13	1s50	29s49	15s32	14s35	14s45	26n50		n.a.
F 2	13 27	24 50	2 37	12 55	0 19	2 46	0 50	19 13	1 42	22 48	0 6	22 18	0 54	9 22	0 29	14 12	1 50	29 48	15 32	14 36	14 46	26 50		n.a.
S 3	13 48	21 33	1 39	13 33	0 25	2 36	0 37	19 1	1 40	22 50	0 6	22 18	0 54	9 21	0 29	14 12	1 50	29 48	15 32	14 37	14 47	26 51		n.a.
S 4	14 8	17 16	0 36	14 11	0 31	2 28	0 25	18 49	1 37	22 52	0 6	22 18	0 54	9 20	0 29	14 11	1 50	29 48	15 32	14 37	14 49	26 52		n.a.
M 5	14 28	12 6	0s32	14 49	0 38	2 20	0 12	18 37	1 35	22 53	0 6	22 17	0 54	9 19	0 29	14 11	1 50	29 48	15 31	14 37	14 50	26 53		n.a.
T 6	14 48	6 14	1 40	15 25	0 44	2 15	0 1	18 25	1 33	22 55	0 6	22 17	0 54	9 18	0 29	14 10	1 50	29 47	15 31	14 37	14 51	26 54		n.a.
W 7	15 7	0s 7	2 44	16 1	0 50	2 10	0n11	18 12	1 31	22 57	0 6	22 17	0 54	9 17	0 29	14 10	1 50	29 47	15 31	14 38	14 52	26 55		n.a.
T 8	15 27	6 40	3 41	16 37	0 56	2 6	0 22	18 0	1 29	22 58	0 6	22 16	0 54	9 17	0 29	14 9	1 50	29 47	15 30	14 40	14 53	26 55		n.a.
F 9	15 46	13 4	4 25	17 11	1 1	2 4	0 33	17 47	1 27	23 0	0 6	22 16	0 54	9 16	0 29	14 8	1 50	29 46	15 30	14 43	14 54	26 56		n.a.
S 10	16 4	18 53	4 52	17 45	1 7	2 3	0 43	17 34	1 25	23 1	0 6	22 16	0 54	9 15	0 29	14 8	1 50	29 46	15 29	14 47	14 55	26 57		n.a.
S 11	16 23	23 35	5 0	18 18	1 13	2 3	0 53	17 21	1 23	23 3	0 6	22 16	0 54	9 14	0 29	14 7	1 50	29 46	15 29	14 50	14 56	26 58		n.a.
M12	16 41	26 39	4 46	18 50	1 18	2 3	1 3	17 8	1 21	23 4	0 7	22 15	0 54	9 13	0 29	14 7	1 50	29 45	15 29	14 54	14 57	26 58		n.a.
T 13	16 59	27 46	4 12	19 21	1 23	2 5	1 12	16 55	1 19	23 6	0 7	22 15	0 54	9 12	0 29	14 6	1 50	29 45	15 28	14 57	14 58	26 59		n.a.
W14	17 16	26 51	3 21	19 51	1 28	2 8	1 21	16 42	1 18	23 7	0 7	22 15	0 54	9 12	0 29	14 6	1 50	29 45	15 28	14 59	14 59	27 0		n.a.
T 15	17 34	24 8	2 19	20 21	1 33	2 12	1 30	16 29	1 16	23 9	0 7	22 14	0 53	9 11	0 29	14 5	1 50	29 44	15 28	15 1	15 0	27 1		n.a.
F 16	17 51	20 2	1 10	20 49	1 37	2 17	1 38	16 16	1 14	23 10	0 7	22 14	0 53	9 10	0 29	14 5	1 50	29 44	15 27	15 1	15 1	27 1		n.a.
S 17	18 7	14 59	0n 0	21 17	1 42	2 23	1 46	16 2	1 12	23 12	0 7	22 14	0 53	9 9	0 29	14 4	1 50	29 43	15 27	15 1	15 2	27 2		n.a.
S 18	18 24	9 23	1 9	21 43	1 46	2 30	1 53	15 48	1 10	23 13	0 7	22 13	0 53	9 8	0 29	14 4	1 49	29 43	15 27	15 1	15 3	27 3		n.a.
M19	18 40	3 32	2 13	22 8	1 50	2 37	2 0	15 35	1 8	23 15	0 7	22 13	0 53	9 8	0 29	14 3	1 49	29 43	15 26	15 2	15 4	27 4		n.a.
T 20	18 55	2n19	3 9	22 32	1 53	2 46	2 7	15 21	1 7	23 16	0 7	22 13	0 53	9 7	0 29	14 3	1 49	29 42	15 26	15 3	15 5	27 4		n.a.
W21	19 11	8 0	3 55	22 55	1 56	2 55	2 13	15 7	1 5	23 17	0 8	22 12	0 53	9 6	0 29	14 2	1 49	29 42	15 26	15 5	15 6	27 5		n.a.
T 22	19 26	13 17	4 29	23 16	1 59	3 5	2 20	14 53	1 3	23 19	0 8	22 12	0 53	9 5	0 29	14 2	1 49	29 41	15 25	15 8	15 7	27 6		n.a.
F 23	19 40	18 1	4 51	23 36	2 2	3 15	2 25	14 39	1 1	23 20	0 8	22 11	0 53	9 5	0 29	14 1	1 49	29 41	15 25	15 12	15 8	27 6		n.a.
S 24	19 54	22 0	4 59	23 55	2 4	3 27	2 31	14 25	1 0	23 21	0 8	22 11	0 53	9 4	0 29	14 1	1 49	29 41	15 25	15 17	15 9	27 7		n.a.
S 25	20 8	25 2	4 55	24 12	2 6	3 38	2 36	14 11	0 58	23 23	0 8	22 11	0 53	9 3	0 29	14 0	1 49	29 40	15 24	15 22	15 10	27 8		n.a.
M26	20 22	26 58	4 37	24 28	2 7	3 51	2 41	13 56	0 56	23 24	0 8	22 10	0 53	9 2	0 29	14 0	1 49	29 40	15 24	15 26	15 11	27 8		n.a.
T 27	20 35	27 41	4 7	24 43	2 8	4 4	2 46	13 42	0 55	23 25	0 8	22 10	0 53	9 2	0 29	14 0	1 49	29 39	15 24	15 30	15 12	27 9		n.a.
W28	20 47	27 6	3 27	24 55	2 9	4 18	2 50	13 28	0 53	23 27	0 8	22 9	0 53	9 1	0 29	13 59	1 49	29 39	15 23	15 33	15 13	27 10		n.a.
T 29	21 0	25 17	2 38	25 7	2 9	4 32	2 54	13 13	0 52	23 28	0 8	22 9	0 53	9 0	0 29	13 59	1 49	29 38	15 23	15 35	15 14	27 10		n.a.
F 30	21s11	22n19	1n41	25s16	2s 9	4s47	2n58	12s58	0s50	23s29	0s 8	22n 9	0s52	9n 0	0s29	13n58	1s49	29s38	15s23	15s37	15s15	27n11		n.a.

Julian Day Number = 1570879.5, Delta T = 04h17m47s
Ecliptic obliquity = 23°44'50, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'51, Lahiri = - 9°38'51 Julian Calendar 1 Nov. 413 BCE == Greg. Calendar 27 Oct. 413 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 413 BCE
geocentric

DECEMBER 413 BCE (-412) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 19 2	4♐51'56	10♌50	18♐55	19♎48	29♒ 0	19♐57	16°R 2	24°R 0	12°R12	19♒37	18°R 2	19♒10	11♊45	n.a.	S 1
S 2	4 22 59	5°53'12	23°11	20°30	20°38	29°37	20°11	15♊57	23♈59	12♉10	19°38	18°D 2	19° 7	11°52	n.a.	S 2
M 3	4 26 55	6°54'28	5♍50	22° 4	21°28	0♓15	20°25	15°52	23°57	12° 9	19°38	18°R 2	19° 4	11°59	n.a.	M 3
T 4	4 30 52	7°55'44	18°52	23°37	22°20	0°53	20°39	15°47	23°55	12° 7	19°39	18♒ 2	19° 1	12° 5	n.a.	T 4
W 5	4 34 48	8°57'01	2♎22	25° 9	23°12	1°30	20°53	15°42	23°54	12° 6	19°39	17°59	18°58	12°12	n.a.	W 5
T 6	4 38 45	9°58'17	16°21	26°39	24° 5	2° 8	21° 7	15°37	23°52	12° 4	19°40	17°55	18°55	12°19	n.a.	T 6
F 7	4 42 41	10°59'33	0♏50	28° 8	24°58	2°46	21°21	15°33	23°51	12° 3	19°41	17°47	18°51	12°26	n.a.	F 7
S 8	4 46 38	12° 0'49	15°44	29°35	25°53	3°24	21°35	15°28	23°49	12° 1	19°41	17°38	18°48	12°32	n.a.	S 8
S 9	4 50 34	13° 2'05	0♐57	0♑59	26°47	4° 2	21°49	15°23	23°48	12° 0	19°42	17°28	18°45	12°39	n.a.	S 9
M10	4 54 31	14° 3'21	16°19	2°20	27°43	4°40	22° 3	15°18	23°47	11°59	19°43	17°18	18°42	12°46	n.a.	M10
T 11	4 58 28	15° 4'36	1♑36	3°37	28°39	5°18	22°17	15°13	23°45	11°57	19°44	17° 9	18°39	12°52	n.a.	T 11
W12	5 2 24	16° 5'51	16°39	4°50	29°36	5°56	22°31	15° 8	23°44	11°56	19°44	17° 3	18°35	12°59	n.a.	W12
T 13	5 6 21	17° 7'04	1♒19	5°58	0♏33	6°35	22°46	15° 3	23°43	11°54	19°45	17° 0	18°32	13° 6	n.a.	T 13
F 14	5 10 17	18° 8'17	15°31	7° 1	1°31	7°13	23° 0	14°58	23°41	11°53	19°46	16°D59	18°29	13°13	n.a.	F 14
S 15	5 14 14	19° 9'29	29°15	7°56	2°29	7°51	23°14	14°53	23°40	11°52	19°47	16°59	18°26	13°19	n.a.	S 15
S 16	5 18 10	20°10'40	12♓32	8°45	3°28	8°29	23°28	14°48	23°39	11°51	19°48	17° 0	18°23	13°26	n.a.	S 16
M17	5 22 7	21°11'50	25°25	9°25	4°27	9° 8	23°42	14°43	23°38	11°49	19°49	17°R 0	18°20	13°33	n.a.	M17
T 18	5 26 4	22°12'59	7♈58	9°56	5°26	9°46	23°56	14°38	23°37	11°48	19°50	16°59	18°16	13°39	n.a.	T 18
W19	5 30 0	23°14'07	20°15	10°17	6°26	10°24	24°10	14°33	23°36	11°47	19°51	16°55	18°13	13°46	n.a.	W19
T 20	5 33 57	24°15'13	2♉22	10°R27	7°27	11° 3	24°25	14°28	23°35	11°46	19°52	16°49	18°10	13°53	n.a.	T 20
F 21	5 37 53	25°16'19	14°21	10°26	8°28	11°41	24°39	14°23	23°35	11°45	19°52	16°41	18° 7	14° 0	n.a.	F 21
S 22	5 41 50	26°17'24	26°15	10°14	9°29	12°20	24°53	14°18	23°34	11°43	19°53	16°31	18° 4	14° 6	n.a.	S 22
S 23	5 45 46	27°18'27	8♊ 7	9°50	10°30	12°58	25° 7	14°14	23°33	11°42	19°54	16°21	18° 1	14°13	n.a.	S 23
M24	5 49 43	28°19'30	19°58	9°15	11°32	13°36	25°21	14° 9	23°32	11°41	19°56	16°11	17°57	14°20	n.a.	M24
T 25	5 53 39	29°20'32	1♋51	8°29	12°35	14°15	25°35	14° 4	23°32	11°40	19°57	16° 2	17°54	14°26	n.a.	T 25
W26	5 57 36	0♑21'32	13°47	7°34	13°38	14°54	25°50	13°59	23°31	11°39	19°58	15°55	17°51	14°33	n.a.	W26
T 27	6 1 33	1°22'32	25°47	6°31	14°41	15°32	26° 4	13°55	23°31	11°38	19°59	15°51	17°48	14°40	n.a.	T 27
F 28	6 5 29	2°23'30	7♌53	5°23	15°44	16°11	26°18	13°50	23°30	11°37	20° 0	15°49	17°45	14°47	n.a.	F 28
S 29	6 9 26	3°24'28	20° 8	4°10	16°48	16°49	26°32	13°46	23°30	11°36	20° 1	15°D49	17°41	14°53	n.a.	S 29
S 30	6 13 22	4°25'24	2♍35	2°55	17°51	17°28	26°46	13°41	23°29	11°35	20° 2	15°50	17°38	15° 0	n.a.	S 30
M31	6 17 19	5♑26'19	15♍17	1♑41	18♏56	18♓ 6	27♐ 0	13♊37	23♈29	11♉35	20♒ 3	15♒51	17♒35	15♊ 7	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s23	18n21	0n38	25s24	2s 8	5s 3	3n 1	12s44	0s48	23s30	0s 9	22n 8	0s52	8n59	0s29	13n58	1s49	29s37	15s22	15s37	15s16	27n12		n.a.
S 2	21 34	13 32	0s27	25 30	2 6	5 18	3 5	12 29	0 47	23 31	0 9	22 8	0 52	8 59	0 29	13 57	1 49	29 37	15 22	15 37	15 17	27 12		n.a.
M 3	21 45	8 3	1 33	25 34	2 4	5 35	3 8	12 14	0 45	23 32	0 9	22 7	0 52	8 58	0 29	13 57	1 49	29 36	15 22	15 37	15 18	27 13		n.a.
T 4	21 55	2 4	2 36	25 36	2 1	5 51	3 11	11 59	0 44	23 34	0 9	22 7	0 52	8 57	0 29	13 56	1 49	29 36	15 22	15 37	15 19	27 13		n.a.
W 5	22 5	4s12	3 33	25 37	1 57	6 8	3 13	11 44	0 42	23 35	0 9	22 6	0 52	8 57	0 29	13 56	1 49	29 35	15 21	15 38	15 20	27 14		n.a.
T 6	22 14	10 28	4 19	25 35	1 53	6 26	3 16	11 29	0 41	23 36	0 9	22 6	0 52	8 56	0 29	13 56	1 49	29 35	15 21	15 40	15 21	27 15		n.a.
F 7	22 23	16 25	4 50	25 32	1 48	6 44	3 18	11 14	0 40	23 37	0 9	22 6	0 52	8 56	0 28	13 55	1 49	29 34	15 21	15 42	15 22	27 15		n.a.
S 8	22 31	21 35	5 3	25 27	1 42	7 2	3 20	10 59	0 38	23 38	0 9	22 5	0 52	8 55	0 28	13 55	1 49	29 34	15 20	15 45	15 23	27 16		n.a.
S 9	22 39	25 25	4 55	25 20	1 35	7 20	3 21	10 43	0 37	23 39	0 9	22 5	0 52	8 55	0 28	13 54	1 49	29 33	15 20	15 48	15 24	27 16		n.a.
M10	22 47	27 26	4 25	25 11	1 27	7 39	3 23	10 28	0 35	23 40	0 9	22 4	0 52	8 54	0 28	13 54	1 49	29 33	15 20	15 51	15 25	27 17		n.a.
T 11	22 54	27 21	3 37	25 0	1 18	7 57	3 24	10 13	0 34	23 41	0 10	22 4	0 51	8 54	0 28	13 54	1 49	29 32	15 19	15 54	15 26	27 17		n.a.
W12	23 1	25 15	2 34	24 48	1 9	8 16	3 25	9 57	0 33	23 42	0 10	22 3	0 51	8 53	0 28	13 53	1 49	29 32	15 19	15 55	15 27	27 18		n.a.
T 13	23 7	21 28	1 23	24 34	0 58	8 36	3 26	9 42	0 31	23 43	0 10	22 3	0 51	8 53	0 28	13 53	1 49	29 31	15 19	15 57	15 28	27 18		n.a.
F 14	23 13	16 31	0 8	24 19	0 46	8 55	3 27	9 26	0 30	23 43	0 10	22 2	0 51	8 52	0 28	13 52	1 49	29 30	15 19	15 57	15 29	27 19		n.a.
S 15	23 18	10 52	1n 5	24 3	0 33	9 15	3 27	9 10	0 28	23 44	0 10	22 2	0 51	8 52	0 28	13 52	1 49	29 30	15 18	15 57	15 30	27 19		n.a.
S 16	23 23	4 55	2 12	23 46	0 18	9 35	3 28	8 55	0 27	23 45	0 10	22 2	0 51	8 52	0 28	13 52	1 49	29 29	15 18	15 56	15 31	27 20		n.a.
M17	23 27	1n 4	3 11	23 28	0 3	9 54	3 28	8 39	0 26	23 46	0 10	22 1	0 51	8 51	0 28	13 51	1 49	29 29	15 18	15 56	15 32	27 20		n.a.
T 18	23 31	6 50	3 58	23 9	0n13	10 14	3 28	8 23	0 25	23 47	0 10	22 1	0 51	8 51	0 28	13 51	1 48	29 28	15 17	15 57	15 33	27 21		n.a.
W19	23 34	12 14	4 34	22 50	0 30	10 34	3 28	8 7	0 23	23 47	0 10	22 0	0 50	8 51	0 28	13 51	1 48	29 28	15 17	15 58	15 34	27 21		n.a.
T 20	23 37	17 4	4 56	22 32	0 48	10 54	3 27	7 51	0 22	23 48	0 11	22 0	0 50	8 50	0 28	13 50	1 48	29 27	15 17	16 0	15 35	27 22		n.a.
F 21	23 40	21 12	5 6	22 14	1 6	11 15	3 27	7 35	0 21	23 49	0 11	21 59	0 50	8 50	0 28	13 50	1 48	29 26	15 17	16 2	15 36	27 22		n.a.
S 22	23 42	24 26	5 1	21 56	1 25	11 35	3 26	7 19	0 20	23 49	0 11	21 59	0 50	8 50	0 28	13 50	1 48	29 26	15 16	16 5	15 37	27 23		n.a.
S 23	23 43	26 37	4 44	21 39	1 44	11 55	3 25	7 3	0 18	23 50	0 11	21 58	0 50	8 50	0 28	13 50	1 48	29 25	15 16	16 8	15 38	27 23		n.a.
M24	23 44	27 36	4 15	21 23	2 3	12 15	3 25	6 47	0 17	23 51	0 11	21 58	0 50	8 49	0 28	13 49	1 48	29 25	15 16	16 11	15 39	27 24		n.a.
T 25	23 45	27 18	3 34	21 8	2 20	12 35	3 23	6 31	0 16	23 51	0 11	21 58	0 50	8 49	0 28	13 49	1 48	29 24	15 16	16 14	15 40	27 24		n.a.
W26	23 45	25 45	2 44	20 55	2 37	12 55	3 22	6 15	0 15	23 52	0 11	21 57	0 50	8 49	0 28	13 49	1 48	29 23	15 15	16 16	15 41	27 24		n.a.
T 27	23 44	23 0	1 46	20 43	2 53	13 15	3 21	5 59	0 14	23 52	0 11	21 57	0 49	8 49	0 28	13 48	1 48	29 23	15 15	16 17	15 42	27 25		n.a.
F 28	23 43	19 13	0 43	20 32	3 6	13 35	3 19	5 43	0 13	23 53	0 11	21 56	0 49	8 49	0 28	13 48	1 48	29 22	15 15	16 18	15 43	27 25		n.a.
S 29	23 42	14 35	0s23	20 23	3 18	13 55	3 18	5 27	0 12	23 54	0 11	21 56	0 49	8 48	0 28	13 48	1 48	29 22	15 15	16 18	15 44	27 26		n.a.
S 30	23 40	9 18	1 30	20 16	3 27	14 14	3 16	5 10	0 10	23 54	0 12	21 56	0 49	8 48	0 28	13 48	1 48	29 21	15 14	16 18	15 45	27 26		n.a.
M31	23s38	3n31	2s33	20s10	3n34	14s34	3n14	4s54	0s 9	23s54	0s12	21n55	0s49	8n48	0s28	13n48	1s48	29s20	15s14	16s17	15s46	27n26		n.a.

Julian Day Number = 1570909.5, Delta T = 04h17m46s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'47, Lahiri = - 9°38'47 Julian Calendar 1 Dec. 413 BCE == Greg. Calendar 26 Nov. 413 BCE

The year -412 astronomical counting style corresponds to year 413 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

JANUARY 412 BCE (-411) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 21 15	6♑27'14	28♍18	0°R30	20♏ 0	18♓45	27♐14	13°R32	23°R29	11°R34	20♒ 4	15♒52	17♒32	15♊13	n.a.	T 1
W 2	6 25 12	7°28'07	11♎41	29♐23	21° 5	19°24	27°28	13♊28	23♈28	11♉33	20° 6	15°R53	17°29	15°20	n.a.	W 2
T 3	6 29 8	8°29'00	25°29	28°21	22°10	20° 2	27°42	13°24	23°28	11°32	20° 7	15°51	17°26	15°27	n.a.	T 3
F 4	6 33 5	9°29'51	9♏42	27°26	23°15	20°41	27°57	13°19	23°28	11°31	20° 8	15°48	17°22	15°33	n.a.	F 4
S 5	6 37 2	10°30'42	24°19	26°39	24°21	21°20	28°11	13°15	23°28	11°31	20° 9	15°44	17°19	15°40	n.a.	S 5
S 6	6 40 58	11°31'31	9♐14	26° 0	25°26	21°58	28°25	13°11	23°D28	11°30	20°11	15°39	17°16	15°47	n.a.	S 6
M 7	6 44 55	12°32'19	24°22	25°29	26°32	22°37	28°39	13° 7	23°28	11°29	20°12	15°34	17°13	15°54	n.a.	M 7
T 8	6 48 51	13°33'06	9♑31	25° 7	27°38	23°16	28°53	13° 3	23°28	11°29	20°13	15°29	17°10	16° 0	n.a.	T 8
W 9	6 52 48	14°33'51	24°32	24°52	28°45	23°55	29° 7	12°59	23°28	11°28	20°14	15°26	17° 7	16° 7	n.a.	W 9
T 10	6 56 44	15°34'35	9♒16	24°D45	29°51	24°33	29°20	12°56	23°28	11°28	20°16	15°D25	17° 3	16°14	n.a.	T 10
F 11	7 0 41	16°35'17	23°37	24°46	0♐58	25°12	29°34	12°52	23°29	11°27	20°17	15°25	17° 0	16°20	n.a.	F 11
S 12	7 4 38	17°35'57	7♓32	24°53	2° 5	25°51	29°48	12°48	23°29	11°27	20°18	15°26	16°57	16°27	n.a.	S 12
S 13	7 8 34	18°36'35	20°58	25° 7	3°12	26°30	0♑ 2	12°45	23°29	11°26	20°20	15°28	16°54	16°34	n.a.	S 13
M14	7 12 31	19°37'11	3♈59	25°27	4°19	27° 8	0°16	12°41	23°30	11°26	20°21	15°29	16°51	16°41	n.a.	M14
T 15	7 16 27	20°37'45	16°38	25°53	5°27	27°47	0°30	12°38	23°30	11°25	20°22	15°R30	16°47	16°47	n.a.	T 15
W16	7 20 24	21°38'18	28°58	26°24	6°34	28°26	0°43	12°35	23°31	11°25	20°24	15°30	16°44	16°54	n.a.	W16
T 17	7 24 20	22°38'48	11♉ 5	27° 0	7°42	29° 5	0°57	12°31	23°31	11°25	20°25	15°29	16°41	17° 1	n.a.	T 17
F 18	7 28 17	23°39'16	23° 2	27°40	8°50	29°43	1°11	12°28	23°32	11°24	20°27	15°26	16°38	17° 7	n.a.	F 18
S 19	7 32 13	24°39'43	4♊54	28°24	9°58	0♈22	1°24	12°25	23°32	11°24	20°28	15°23	16°35	17°14	n.a.	S 19
S 20	7 36 10	25°40'08	16°44	29°11	11° 6	1° 1	1°38	12°22	23°33	11°24	20°29	15°20	16°32	17°21	n.a.	S 20
M21	7 40 7	26°40'30	28°36	0♑ 3	12°14	1°40	1°51	12°19	23°34	11°24	20°31	15°17	16°28	17°27	n.a.	M21
T 22	7 44 3	27°40'51	10♋33	0°57	13°22	2°19	2° 5	12°17	23°35	11°23	20°32	15°14	16°25	17°34	n.a.	T 22
W23	7 48 0	28°41'10	22°35	1°55	14°31	2°57	2°18	12°14	23°36	11°23	20°34	15°12	16°22	17°41	n.a.	W23
T 24	7 51 56	29°41'26	4♌46	2°55	15°39	3°36	2°32	12°11	23°37	11°23	20°35	15°11	16°19	17°48	n.a.	T 24
F 25	7 55 53	0♒41'41	17° 6	3°58	16°48	4°15	2°45	12° 9	23°38	11°23	20°37	15°D10	16°16	17°54	n.a.	F 25
S 26	7 59 49	1°41'54	29°37	5° 3	17°57	4°54	2°58	12° 7	23°39	11°D23	20°38	15°11	16°13	18° 1	n.a.	S 26
S 27	8 3 46	2°42'06	12♍19	6°10	19° 6	5°33	3°12	12° 4	23°40	11°23	20°40	15°12	16° 9	18° 8	n.a.	S 27
M28	8 7 42	3°42'15	25°16	7°20	20°15	6°11	3°25	12° 2	23°41	11°23	20°41	15°13	16° 6	18°14	n.a.	M28
T 29	8 11 39	4°42'23	8♎27	8°31	21°24	6°50	3°38	12° 0	23°42	11°23	20°43	15°14	16° 3	18°21	n.a.	T 29
W30	8 15 36	5°42'29	21°55	9°45	22°34	7°29	3°51	11°58	23°43	11°23	20°44	15°15	16° 0	18°28	n.a.	W30
T 31	8 19 32	6♒42'33	5♏40	11♑ 0	23♐43	8♈ 8	4♑ 4	11♊56	23♈44	11♉24	20♒46	15°R15	15♒57	18♊35	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s35	2s31	3s30	20s 6	3n38	14s53	3n12	4s38	0s 8	23s55	0s12	21n55	0s49	8n48	0s28	13n47	1s48	29s20	15s14	16s17	15s47	27n27		n.a.
W 2	23 32	8 37	4 18	20 4	3 41	15 12	3 10	4 22	0 7	23 55	0 12	21 54	0 49	8 48	0 28	13 47	1 48	29 19	15 14	16 17	15 48	27 27		n.a.
T 3	23 28	14 29	4 52	20 4	3 40	15 31	3 8	4 5	0 6	23 56	0 12	21 54	0 48	8 48	0 28	13 47	1 48	29 19	15 13	16 17	15 49	27 27		n.a.
F 4	23 24	19 47	5 9	20 5	3 38	15 50	3 6	3 49	0 5	23 56	0 12	21 54	0 48	8 48	0 28	13 47	1 48	29 18	15 13	16 18	15 50	27 28		n.a.
S 5	23 19	24 3	5 8	20 8	3 34	16 8	3 3	3 33	0 4	23 56	0 12	21 53	0 48	8 48	0 28	13 47	1 48	29 17	15 13	16 19	15 51	27 28		n.a.
S 6	23 14	26 49	4 45	20 13	3 28	16 26	3 1	3 16	0 3	23 57	0 12	21 53	0 48	8 48	0 28	13 46	1 47	29 17	15 13	16 21	15 52	27 28		n.a.
M 7	23 9	27 40	4 3	20 19	3 21	16 44	2 58	3 0	0 2	23 57	0 12	21 53	0 48	8 48	0 28	13 46	1 47	29 16	15 13	16 23	15 52	27 29		n.a.
T 8	23 3	26 27	3 4	20 26	3 13	17 2	2 56	2 43	0 1	23 57	0 13	21 52	0 48	8 48	0 28	13 46	1 47	29 16	15 12	16 24	15 53	27 29		n.a.
W 9	22 56	23 19	1 52	20 35	3 4	17 20	2 53	2 27	0n 0	23 57	0 13	21 52	0 47	8 48	0 28	13 46	1 47	29 15	15 12	16 25	15 54	27 29		n.a.
T 10	22 49	18 42	0 34	20 44	2 54	17 37	2 50	2 10	0 1	23 58	0 13	21 52	0 47	8 48	0 27	13 46	1 47	29 14	15 12	16 25	15 55	27 30		n.a.
F 11	22 42	13 7	0n45	20 55	2 44	17 53	2 47	1 54	0 2	23 58	0 13	21 51	0 47	8 48	0 27	13 46	1 47	29 14	15 12	16 25	15 56	27 30		n.a.
S 12	22 34	7 2	1 58	21 6	2 33	18 10	2 44	1 38	0 3	23 58	0 13	21 51	0 47	8 49	0 27	13 46	1 47	29 13	15 12	16 25	15 57	27 30		n.a.
S 13	22 26	0 50	3 3	21 17	2 22	18 26	2 41	1 21	0 4	23 58	0 13	21 51	0 47	8 49	0 27	13 46	1 47	29 12	15 12	16 24	15 58	27 31		n.a.
M14	22 17	5n12	3 56	21 29	2 11	18 41	2 38	1 5	0 5	23 58	0 13	21 50	0 47	8 49	0 27	13 46	1 47	29 12	15 11	16 24	15 59	27 31		n.a.
T 15	22 8	10 51	4 36	21 42	1 59	18 57	2 35	0 48	0 6	23 58	0 13	21 50	0 47	8 49	0 27	13 46	1 47	29 11	15 11	16 24	16 0	27 31		n.a.
W16	21 59	15 56	5 1	21 54	1 48	19 12	2 32	0 32	0 7	23 58	0 14	21 50	0 46	8 49	0 27	13 45	1 47	29 11	15 11	16 24	16 1	27 31		n.a.
T 17	21 49	20 18	5 13	22 6	1 37	19 26	2 28	0 15	0 8	23 58	0 14	21 50	0 46	8 50	0 27	13 45	1 47	29 10	15 11	16 24	16 2	27 32		n.a.
F 18	21 39	23 47	5 12	22 18	1 25	19 40	2 25	0n 1	0 8	23 58	0 14	21 49	0 46	8 50	0 27	13 45	1 47	29 9	15 11	16 25	16 3	27 32		n.a.
S 19	21 28	26 14	4 57	22 30	1 14	19 54	2 22	0 18	0 9	23 58	0 14	21 49	0 46	8 50	0 27	13 45	1 47	29 9	15 11	16 26	16 4	27 32		n.a.
S 20	21 17	27 32	4 29	22 42	1 3	20 7	2 18	0 34	0 10	23 58	0 14	21 49	0 46	8 50	0 27	13 45	1 47	29 8	15 11	16 27	16 5	27 32		n.a.
M21	21 5	27 34	3 49	22 53	0 52	20 20	2 15	0 50	0 11	23 58	0 14	21 49	0 46	8 51	0 27	13 45	1 47	29 8	15 10	16 28	16 6	27 32		n.a.
T 22	20 54	26 18	3 0	23 3	0 41	20 32	2 11	1 7	0 12	23 58	0 14	21 48	0 45	8 51	0 27	13 45	1 46	29 7	15 10	16 28	16 7	27 33		n.a.
W23	20 41	23 50	2 2	23 13	0 31	20 44	2 7	1 23	0 13	23 58	0 14	21 48	0 45	8 51	0 27	13 45	1 46	29 6	15 10	16 29	16 8	27 33		n.a.
T 24	20 29	20 15	0 57	23 22	0 21	20 55	2 4	1 39	0 14	23 58	0 15	21 48	0 45	8 52	0 27	13 45	1 46	29 6	15 10	16 29	16 9	27 33		n.a.
F 25	20 16	15 45	0s11	23 30	0 11	21 6	2 0	1 56	0 14	23 58	0 15	21 48	0 45	8 52	0 27	13 45	1 46	29 5	15 10	16 30	16 10	27 33		n.a.
S 26	20 2	10 31	1 19	23 38	0 1	21 16	1 56	2 12	0 15	23 58	0 15	21 48	0 45	8 53	0 27	13 46	1 46	29 5	15 10	16 29	16 11	27 33		n.a.
S 27	19 48	4 48	2 25	23 44	0s 8	21 25	1 53	2 28	0 16	23 57	0 15	21 48	0 44	8 53	0 27	13 46	1 46	29 4	15 10	16 29	16 12	27 34		n.a.
M28	19 34	1s13	3 24	23 50	0 17	21 35	1 49	2 45	0 17	23 57	0 15	21 48	0 44	8 53	0 27	13 46	1 46	29 3	15 10	16 29	16 13	27 34		n.a.
T 29	19 20	7 17	4 14	23 54	0 26	21 43	1 45	3 1	0 18	23 57	0 15	21 47	0 44	8 54	0 27	13 46	1 46	29 3	15 10	16 28	16 14	27 34		n.a.
W30	19 5	13 8	4 51	23 57	0 34	21 51	1 41	3 17	0 18	23 57	0 15	21 47	0 44	8 54	0 27	13 46	1 46	29 2	15 10	16 28	16 15	27 34		n.a.
T 31	18s50	18s29	5s13	24s 0	0s43	21s59	1n37	3n33	0n19	23s56	0s15	21n47	0s44	8n55	0s27	13n46	1s46	29s 2	15s 9	16s28	16s16	27n34		n.a.

Julian Day Number = 1570940.5, Delta T = 04h17m45s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'43, Lahiri = - 9°38'42 Julian Calendar 1 Jan. 412 BCE == Greg. Calendar 27 Dec. 413 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

FEBRUARY 412 BCE (-411) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 23 29	7♒42'36	19♏43	12♉17	24♐53	8♈46	4♉17	11°R55	23♈46	11♉24	20♒47	15°R15	15♒53	18♊41	n.a.	F 1
S 2	8 27 25	8°42'37	4♐ 1	13°35	26° 2	9°25	4°30	11♊53	23°47	11°24	20°49	15♒14	15°50	18°48	n.a.	S 2
S 3	8 31 22	9°42'36	18°34	14°55	27°12	10° 4	4°43	11°52	23°49	11°24	20°50	15°14	15°47	18°55	n.a.	S 3
M 4	8 35 18	10°42'34	3♉15	16°17	28°22	10°43	4°56	11°50	23°50	11°24	20°52	15°13	15°44	19° 1	n.a.	M 4
T 5	8 39 15	11°42'30	18° 0	17°40	29°31	11°21	5° 9	11°49	23°52	11°25	20°53	15°13	15°41	19° 8	n.a.	T 5
W 6	8 43 11	12°42'24	2♒42	19° 4	0♉41	12° 0	5°22	11°48	23°53	11°25	20°55	15°12	15°38	19°15	n.a.	W 6
T 7	8 47 8	13°42'15	17°13	20°30	1°51	12°39	5°34	11°47	23°55	11°26	20°56	15°D12	15°34	19°21	n.a.	T 7
F 8	8 51 5	14°42'05	1♓27	21°57	3° 1	13°18	5°47	11°46	23°56	11°26	20°58	15°R12	15°31	19°28	n.a.	F 8
S 9	8 55 1	15°41'52	15°20	23°26	4°12	13°56	5°59	11°45	23°58	11°26	20°59	15°12	15°28	19°35	n.a.	S 9
S 10	8 58 58	16°41'37	28°51	24°55	5°22	14°35	6°12	11°44	24° 0	11°27	21° 1	15°12	15°25	19°42	n.a.	S 10
M11	9 2 54	17°41'20	11♈57	26°26	6°32	15°14	6°24	11°43	24° 2	11°27	21° 2	15°12	15°22	19°48	n.a.	M11
T 12	9 6 51	18°41'00	24°41	27°59	7°42	15°52	6°36	11°43	24° 3	11°28	21° 4	15°12	15°19	19°55	n.a.	T 12
W13	9 10 47	19°40'38	7♉ 6	29°32	8°53	16°31	6°49	11°42	24° 5	11°29	21° 6	15°11	15°15	20° 2	n.a.	W13
T 14	9 14 44	20°40'14	19°16	1♒ 7	10° 3	17°10	7° 1	11°42	24° 7	11°29	21° 7	15°D11	15°12	20° 8	n.a.	T 14
F 15	9 18 40	21°39'47	1♊14	2°43	11°14	17°49	7°13	11°42	24° 9	11°30	21° 9	15°11	15° 9	20°15	n.a.	F 15
S 16	9 22 37	22°39'18	13° 7	4°21	12°24	18°27	7°25	11°D42	24°11	11°31	21°10	15°12	15° 6	20°22	n.a.	S 16
S 17	9 26 33	23°38'46	24°58	6° 0	13°35	19° 6	7°37	11°42	24°13	11°31	21°12	15°13	15° 3	20°28	n.a.	S 17
M18	9 30 30	24°38'12	6♋51	7°40	14°46	19°45	7°49	11°42	24°15	11°32	21°13	15°14	14°59	20°35	n.a.	M18
T 19	9 34 27	25°37'36	18°51	9°21	15°56	20°23	8° 0	11°42	24°18	11°33	21°15	15°15	14°56	20°42	n.a.	T 19
W20	9 38 23	26°36'58	1♌ 1	11° 3	17° 7	21° 2	8°12	11°43	24°20	11°34	21°16	15°15	14°53	20°49	n.a.	W20
T 21	9 42 20	27°36'17	13°23	12°47	18°18	21°40	8°24	11°43	24°22	11°35	21°18	15°R16	14°50	20°55	n.a.	T 21
F 22	9 46 16	28°35'33	25°59	14°32	19°29	22°19	8°35	11°44	24°24	11°35	21°19	15°16	14°47	21° 2	n.a.	F 22
S 23	9 50 13	29°34'48	8♍49	16°19	20°40	22°58	8°47	11°44	24°26	11°36	21°21	15°15	14°44	21° 9	n.a.	S 23
S 24	9 54 9	0♓34'00	21°55	18° 7	21°51	23°36	8°58	11°45	24°29	11°37	21°22	15°13	14°40	21°15	n.a.	S 24
M25	9 58 6	1°33'11	5♎15	19°56	23° 2	24°15	9° 9	11°46	24°31	11°38	21°24	15°11	14°37	21°22	n.a.	M25
T 26	10 2 2	2°32'19	18°48	21°47	24°13	24°53	9°20	11°47	24°34	11°39	21°26	15° 8	14°34	21°29	n.a.	T 26
W27	10 5 59	3°31'26	2♏33	23°38	25°24	25°32	9°31	11°48	24°36	11°40	21°27	15° 6	14°31	21°35	n.a.	W27
T 28	10 9 56	4♓30'30	16♏28	25♒32	26♉35	26♈11	9♉42	11♊50	24♈38	11♉41	21♒29	15♒ 4	14♒28	21♊42	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s35	22s57	5s16	24s 1	0s50	22s 5	1n33	3n50	0n20	23s56	0s16	21n47	0s44	8n55	0s27	13n46	1s46	29s 1	15s 9	16s28	16s17	27n34		n.a.
S 2	18 19	26 8	5 0	24 0	0 58	22 12	1 30	4 6	0 21	23 56	0 16	21 47	0 43	8 56	0 27	13 46	1 46	29 0	15 9	16 28	16 18	27 34		n.a.
S 3	18 3	27 39	4 25	23 59	1 5	22 17	1 26	4 22	0 21	23 56	0 16	21 47	0 43	8 57	0 27	13 46	1 46	29 0	15 9	16 29	16 19	27 34		n.a.
M 4	17 46	27 15	3 32	23 56	1 12	22 22	1 22	4 38	0 22	23 55	0 16	21 47	0 43	8 57	0 27	13 47	1 46	28 59	15 9	16 29	16 20	27 35		n.a.
T 5	17 30	24 55	2 25	23 52	1 19	22 27	1 18	4 54	0 23	23 55	0 16	21 47	0 43	8 58	0 27	13 47	1 46	28 59	15 9	16 29	16 20	27 35		n.a.
W 6	17 13	20 56	1 9	23 46	1 25	22 31	1 14	5 10	0 24	23 54	0 16	21 47	0 43	8 58	0 27	13 47	1 45	28 58	15 9	16 29	16 21	27 35		n.a.
T 7	16 55	15 42	0n11	23 39	1 30	22 34	1 10	5 26	0 24	23 54	0 16	21 47	0 43	8 59	0 27	13 47	1 45	28 58	15 9	16 29	16 22	27 35		n.a.
F 8	16 38	9 43	1 29	23 31	1 36	22 37	1 6	5 42	0 25	23 54	0 17	21 47	0 42	9 0	0 27	13 47	1 45	28 57	15 9	16 29	16 23	27 35		n.a.
S 9	16 20	3 24	2 40	23 21	1 41	22 38	1 2	5 58	0 26	23 53	0 17	21 47	0 42	9 0	0 27	13 47	1 45	28 57	15 9	16 29	16 24	27 35		n.a.
S 10	16 2	2n53	3 39	23 9	1 46	22 40	0 58	6 13	0 26	23 53	0 17	21 47	0 42	9 1	0 27	13 48	1 45	28 56	15 9	16 29	16 25	27 35		n.a.
M11	15 44	8 51	4 25	22 56	1 50	22 41	0 55	6 29	0 27	23 52	0 17	21 47	0 42	9 2	0 26	13 48	1 45	28 55	15 9	16 29	16 26	27 35		n.a.
T 12	15 25	14 17	4 57	22 41	1 54	22 41	0 51	6 45	0 28	23 52	0 17	21 48	0 42	9 2	0 26	13 48	1 45	28 55	15 9	16 29	16 27	27 35		n.a.
W13	15 6	18 59	5 14	22 25	1 57	22 40	0 47	7 1	0 28	23 51	0 17	21 48	0 42	9 3	0 26	13 48	1 45	28 54	15 9	16 29	16 28	27 35		n.a.
T 14	14 47	22 50	5 16	22 8	2 1	22 39	0 43	7 16	0 29	23 51	0 17	21 48	0 41	9 4	0 26	13 49	1 45	28 54	15 9	16 29	16 29	27 35		n.a.
F 15	14 28	25 38	5 5	21 48	2 3	22 37	0 39	7 32	0 30	23 50	0 17	21 48	0 41	9 5	0 26	13 49	1 45	28 53	15 9	16 29	16 30	27 35		n.a.
S 16	14 8	27 18	4 40	21 27	2 6	22 34	0 35	7 47	0 30	23 50	0 18	21 48	0 41	9 5	0 26	13 49	1 45	28 53	15 9	16 29	16 31	27 35		n.a.
S 17	13 49	27 43	4 4	21 4	2 7	22 31	0 32	8 3	0 31	23 49	0 18	21 48	0 41	9 6	0 26	13 49	1 45	28 52	15 9	16 29	16 32	27 35		n.a.
M18	13 29	26 51	3 17	20 40	2 9	22 27	0 28	8 18	0 32	23 49	0 18	21 48	0 41	9 7	0 26	13 50	1 45	28 52	15 9	16 29	16 33	27 35		n.a.
T 19	13 8	24 44	2 21	20 14	2 10	22 23	0 24	8 34	0 32	23 48	0 18	21 49	0 40	9 8	0 26	13 50	1 45	28 51	15 9	16 28	16 34	27 35		n.a.
W20	12 48	21 28	1 18	19 46	2 10	22 18	0 20	8 49	0 33	23 48	0 18	21 49	0 40	9 9	0 26	13 50	1 45	28 51	15 9	16 28	16 35	27 35		n.a.
T 21	12 28	17 11	0 10	19 16	2 10	22 12	0 17	9 4	0 33	23 47	0 18	21 49	0 40	9 9	0 26	13 51	1 44	28 50	15 9	16 28	16 36	27 35		n.a.
F 22	12 7	12 6	0s59	18 45	2 10	22 6	0 13	9 19	0 34	23 46	0 19	21 49	0 40	9 10	0 26	13 51	1 44	28 50	15 9	16 28	16 37	27 35		n.a.
S 23	11 46	6 25	2 7	18 12	2 9	21 59	0 9	9 34	0 35	23 46	0 19	21 50	0 40	9 11	0 26	13 51	1 44	28 49	15 9	16 28	16 38	27 35		n.a.
S 24	11 25	0 21	3 9	17 37	2 8	21 51	0 6	9 49	0 35	23 45	0 19	21 50	0 40	9 12	0 26	13 52	1 44	28 49	15 10	16 29	16 38	27 35		n.a.
M25	11 4	5s48	4 2	17 1	2 6	21 43	0 2	10 4	0 36	23 45	0 19	21 50	0 39	9 13	0 26	13 52	1 44	28 48	15 10	16 29	16 39	27 35		n.a.
T 26	10 42	11 48	4 43	16 22	2 3	21 34	0s 1	10 19	0 36	23 44	0 19	21 51	0 39	9 14	0 26	13 52	1 44	28 48	15 10	16 30	16 40	27 35		n.a.
W27	10 21	17 19	5 8	15 42	2 0	21 25	0 5	10 34	0 37	23 43	0 19	21 51	0 39	9 15	0 26	13 53	1 44	28 48	15 10	16 31	16 41	27 35		n.a.
T 28	9s59	22s 0	5s15	15s 0	1s57	21s14	0s 8	10n49	0n37	23s43	0s19	21n51	0s39	9n16	0s26	13n53	1s44	28s47	15s10	16s31	16s42	27n35		n.a.

Julian Day Number = 1570971.5, Delta T = 04h17m43s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'39, Lahiri = - 9°38'38 Julian Calendar 1 Feb. 412 BCE == Greg. Calendar 27 Jan. 412 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

MARCH 412 BCE (-411) JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 13 52	5♓29'33	0♐32	27♒26	27♑46	26♈49	9♑53	11♊51	24♈41	11♉42	21♒30	15°D 4	14♒24	21♊49	n.a.	F 1
S 2	10 17 49	6°28'34	14°42	29°22	28°57	27°28	10° 4	11°52	24°44	11°44	21°32	15♒ 4	14°21	21°55	n.a.	S 2
S 3	10 21 45	7°27'33	28°57	1♓20	0♒ 9	28° 6	10°15	11°54	24°46	11°45	21°33	15° 5	14°18	22° 2	n.a.	S 3
M 4	10 25 42	8°26'31	13♑15	3°18	1°20	28°45	10°25	11°56	24°49	11°46	21°35	15° 6	14°15	22° 9	n.a.	M 4
T 5	10 29 38	9°25'26	27°32	5°18	2°31	29°23	10°36	11°58	24°51	11°47	21°36	15° 7	14°12	22°16	n.a.	T 5
W 6	10 33 35	10°24'20	11♒45	7°19	3°43	0♉ 2	10°46	11°59	24°54	11°48	21°38	15°R 8	14° 9	22°22	n.a.	W 6
T 7	10 37 31	11°23'11	25°51	9°22	4°54	0°40	10°56	12° 1	24°57	11°50	21°39	15° 8	14° 5	22°29	n.a.	T 7
F 8	10 41 28	12°22'01	9♓45	11°25	6° 6	1°19	11° 7	12° 4	25° 0	11°51	21°41	15° 6	14° 2	22°36	n.a.	F 8
S 9	10 45 24	13°20'48	23°24	13°29	7°17	1°57	11°17	12° 6	25° 2	11°52	21°42	15° 3	13°59	22°42	n.a.	S 9
S 10	10 49 21	14°19'33	6♈46	15°34	8°29	2°35	11°27	12° 8	25° 5	11°54	21°43	14°59	13°56	22°49	n.a.	S 10
M11	10 53 18	15°18'16	19°48	17°40	9°40	3°14	11°36	12°11	25° 8	11°55	21°45	14°54	13°53	22°56	n.a.	M11
T 12	10 57 14	16°16'57	2♉32	19°46	10°52	3°52	11°46	12°13	25°11	11°56	21°46	14°49	13°50	23° 2	n.a.	T 12
W13	11 1 11	17°15'35	14°58	21°52	12° 3	4°31	11°56	12°16	25°14	11°58	21°48	14°44	13°46	23° 9	n.a.	W13
T 14	11 5 7	18°14'11	27° 9	23°58	13°15	5° 9	12° 5	12°18	25°17	11°59	21°49	14°41	13°43	23°16	n.a.	T 14
F 15	11 9 4	19°12'45	9♊ 9	26° 4	14°27	5°48	12°15	12°21	25°20	12° 1	21°51	14°39	13°40	23°22	n.a.	F 15
S 16	11 13 0	20°11'17	21° 2	28°10	15°38	6°26	12°24	12°24	25°23	12° 2	21°52	14°D38	13°37	23°29	n.a.	S 16
S 17	11 16 57	21° 9'47	2♋53	0♈14	16°50	7° 4	12°33	12°27	25°26	12° 4	21°53	14°39	13°34	23°36	n.a.	S 17
M18	11 20 53	22° 8'14	14°47	2°17	18° 2	7°43	12°42	12°30	25°29	12° 5	21°55	14°40	13°30	23°43	n.a.	M18
T 19	11 24 50	23° 6'39	26°48	4°19	19°14	8°21	12°51	12°34	25°32	12° 7	21°56	14°42	13°27	23°49	n.a.	T 19
W20	11 28 47	24° 5'01	9♌ 3	6°18	20°25	8°59	12°59	12°37	25°35	12° 9	21°57	14°R43	13°24	23°56	n.a.	W20
T 21	11 32 43	25° 3'22	21°33	8°16	21°37	9°38	13° 8	12°40	25°38	12°10	21°59	14°43	13°21	24° 3	n.a.	T 21
F 22	11 36 40	26° 1'40	4♍22	10°10	22°49	10°16	13°16	12°44	25°41	12°12	22° 0	14°41	13°18	24° 9	n.a.	F 22
S 23	11 40 36	26°59'57	17°31	12° 2	24° 1	10°54	13°25	12°47	25°44	12°14	22° 1	14°38	13°15	24°16	n.a.	S 23
S 24	11 44 33	27°58'11	1♎ 0	13°51	25°13	11°33	13°33	12°51	25°47	12°15	22° 3	14°32	13°11	24°23	n.a.	S 24
M25	11 48 29	28°56'23	14°47	15°37	26°25	12°11	13°41	12°55	25°50	12°17	22° 4	14°25	13° 8	24°29	n.a.	M25
T 26	11 52 26	29°54'34	28°47	17°19	27°37	12°49	13°49	12°59	25°54	12°19	22° 5	14°18	13° 5	24°36	n.a.	T 26
W27	11 56 22	0♈52'43	12♏58	18°58	28°48	13°27	13°57	13° 3	25°57	12°20	22° 7	14°11	13° 2	24°43	n.a.	W27
T 28	12 0 19	1°50'50	27°14	20°32	0♓ 0	14° 6	14° 5	13° 7	26° 0	12°22	22° 8	14° 6	12°59	24°49	n.a.	T 28
F 29	12 4 15	2°48'56	11♐31	22° 3	1°12	14°44	14°12	13°11	26° 3	12°24	22° 9	14° 2	12°56	24°56	n.a.	F 29
S 30	12 8 12	3°47'01	25°45	23°29	2°24	15°22	14°19	13°15	26° 7	12°26	22°10	14° 0	12°52	25° 3	n.a.	S 30
S 31	12 12 9	4♈45'04	9♑55	24♈52	3♓36	16♉ 0	14♑27	13♊20	26♈10	12♉28	22♒11	14°D 0	12♒49	25♊10	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s37	25s28	5s 4	14s17	1s53	21s 4	0s12	11n 3	0n38	23s42	0s20	21n52	0s39	9n17	0s26	13n54	1s44	28s47	15s10	16s32	16s43	27n34		n.a.
S 2	9 15	27 24	4 34	13 32	1 48	20 52	0 15	11 18	0 38	23 41	0 20	21 52	0 39	9 18	0 26	13 54	1 44	28 46	15 10	16 32	16 44	27 34		n.a.
S 3	8 53	27 32	3 47	12 45	1 43	20 40	0 18	11 32	0 39	23 41	0 20	21 52	0 38	9 19	0 26	13 54	1 44	28 46	15 10	16 31	16 45	27 34		n.a.
M 4	8 31	25 50	2 47	11 56	1 38	20 28	0 21	11 47	0 40	23 40	0 20	21 53	0 38	9 20	0 26	13 55	1 44	28 45	15 10	16 31	16 46	27 34		n.a.
T 5	8 8	22 29	1 35	11 6	1 31	20 15	0 25	12 1	0 40	23 39	0 20	21 53	0 38	9 21	0 26	13 55	1 44	28 45	15 10	16 30	16 47	27 34		n.a.
W 6	7 46	17 47	0 19	10 14	1 25	20 1	0 28	12 15	0 41	23 39	0 20	21 54	0 38	9 22	0 26	13 56	1 44	28 45	15 11	16 30	16 48	27 34		n.a.
T 7	7 23	12 9	0n58	9 21	1 17	19 47	0 31	12 30	0 41	23 38	0 21	21 54	0 38	9 23	0 26	13 56	1 44	28 44	15 11	16 30	16 49	27 34		n.a.
F 8	7 0	6 0	2 11	8 26	1 9	19 32	0 34	12 44	0 42	23 37	0 21	21 54	0 38	9 24	0 26	13 57	1 44	28 44	15 11	16 31	16 50	27 33		n.a.
S 9	6 38	0n19	3 14	7 31	1 1	19 17	0 37	12 58	0 42	23 37	0 21	21 55	0 37	9 25	0 26	13 57	1 43	28 43	15 11	16 32	16 51	27 33		n.a.
S 10	6 15	6 28	4 6	6 34	0 52	19 1	0 40	13 12	0 43	23 36	0 21	21 55	0 37	9 26	0 26	13 58	1 43	28 43	15 11	16 33	16 52	27 33		n.a.
M11	5 52	12 12	4 43	5 36	0 43	18 44	0 42	13 25	0 43	23 35	0 21	21 56	0 37	9 27	0 26	13 58	1 43	28 43	15 11	16 34	16 52	27 33		n.a.
T 12	5 29	17 16	5 5	4 37	0 33	18 27	0 45	13 39	0 44	23 34	0 21	21 56	0 37	9 28	0 26	13 59	1 43	28 42	15 11	16 36	16 53	27 33		n.a.
W13	5 6	21 30	5 12	3 37	0 23	18 10	0 48	13 53	0 44	23 34	0 22	21 57	0 37	9 29	0 26	13 59	1 43	28 42	15 12	16 37	16 54	27 33		n.a.
T 14	4 43	24 43	5 5	2 37	0 13	17 52	0 51	14 6	0 44	23 33	0 22	21 57	0 37	9 30	0 26	14 0	1 43	28 42	15 12	16 38	16 55	27 32		n.a.
F 15	4 19	26 47	4 44	1 37	0 2	17 33	0 53	14 20	0 45	23 32	0 22	21 58	0 36	9 31	0 26	14 0	1 43	28 41	15 12	16 39	16 56	27 32		n.a.
S 16	3 56	27 37	4 12	0 36	0n 9	17 14	0 56	14 33	0 45	23 32	0 22	21 58	0 36	9 32	0 26	14 1	1 43	28 41	15 12	16 39	16 57	27 32		n.a.
S 17	3 33	27 11	3 28	0n24	0 20	16 55	0 58	14 46	0 46	23 31	0 22	21 59	0 36	9 34	0 26	14 1	1 43	28 41	15 12	16 39	16 58	27 32		n.a.
M18	3 9	25 30	2 36	1 24	0 31	16 35	1 1	14 59	0 46	23 30	0 23	22 0	0 36	9 35	0 26	14 2	1 43	28 40	15 12	16 38	16 59	27 31		n.a.
T 19	2 46	22 38	1 36	2 23	0 43	16 15	1 3	15 12	0 47	23 30	0 23	22 0	0 36	9 36	0 26	14 2	1 43	28 40	15 13	16 38	17 0	27 31		n.a.
W20	2 23	18 43	0 31	3 21	0 54	15 54	1 5	15 25	0 47	23 29	0 23	22 1	0 36	9 37	0 26	14 3	1 43	28 40	15 13	16 38	17 1	27 31		n.a.
T 21	1 59	13 55	0s37	4 19	1 5	15 32	1 7	15 38	0 48	23 28	0 23	22 1	0 35	9 38	0 26	14 3	1 43	28 40	15 13	16 38	17 2	27 31		n.a.
F 22	1 36	8 25	1 45	5 14	1 16	15 11	1 10	15 51	0 48	23 28	0 23	22 2	0 35	9 39	0 26	14 4	1 43	28 39	15 13	16 38	17 3	27 30		n.a.
S 23	1 12	2 25	2 48	6 8	1 26	14 49	1 12	16 3	0 48	23 27	0 23	22 3	0 35	9 40	0 26	14 4	1 43	28 39	15 13	16 39	17 4	27 30		n.a.
S 24	0 49	3s49	3 44	7 1	1 36	14 26	1 14	16 16	0 49	23 26	0 24	22 3	0 35	9 42	0 26	14 5	1 43	28 39	15 14	16 41	17 4	27 30		n.a.
M25	0 26	10 0	4 28	7 51	1 46	14 3	1 15	16 28	0 49	23 26	0 24	22 4	0 35	9 43	0 26	14 6	1 43	28 39	15 14	16 43	17 5	27 30		n.a.
T 26	0 2	15 47	4 57	8 39	1 55	13 40	1 17	16 40	0 50	23 25	0 24	22 5	0 35	9 44	0 26	14 6	1 43	28 38	15 14	16 45	17 6	27 29		n.a.
W27	0n21	20 48	5 8	9 25	2 4	13 16	1 19	16 52	0 50	23 24	0 24	22 5	0 34	9 45	0 25	14 7	1 43	28 38	15 14	16 47	17 7	27 29		n.a.
T 28	0 45	24 39	5 0	10 9	2 12	12 52	1 21	17 4	0 50	23 24	0 24	22 6	0 34	9 46	0 25	14 7	1 43	28 38	15 15	16 49	17 8	27 29		n.a.
F 29	1 8	26 58	4 33	10 50	2 19	12 28	1 22	17 16	0 51	23 23	0 25	22 7	0 34	9 48	0 25	14 8	1 43	28 38	15 15	16 50	17 9	27 28		n.a.
S 30	1 31	27 31	3 50	11 29	2 26	12 3	1 24	17 28	0 51	23 23	0 25	22 7	0 34	9 49	0 25	14 8	1 42	28 37	15 15	16 50	17 10	27 28		n.a.
S 31	1n55	26s15	2s53	12n 5	2n31	11s38	1s25	17n40	0n52	23s22	0s25	22n 8	0s34	9n50	0s25	14n 9	1s42	28s37	15s15	16s50	17s11	27n28		n.a.

Julian Day Number = 1570999.5, Delta T = 04h17m42s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'35, Lahiri = - 9°38'34 Julian Calendar 1 March 412 BCE == Greg. Calendar 24 Feb. 412 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

APRIL 412 BCE (-411) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 16 5	5♈43'05	23♉58	26♈10	4♓49	16♉39	14♉34	13♊24	26♈13	12♉30	22♒13	14♒ 0	12♒46	25♊16	n.a.	M 1
T 2	12 20 2	6°41'05	7♒54	27°23	6° 1	17°17	14°41	13°28	26°17	12°31	22°14	14°R 1	12°43	25°23	n.a.	T 2
W 3	12 23 58	7°39'04	21°42	28°33	7°13	17°55	14°48	13°33	26°20	12°33	22°15	14° 1	12°40	25°30	n.a.	W 3
T 4	12 27 55	8°37'01	5♓21	29°37	8°25	18°33	14°54	13°38	26°23	12°35	22°16	13°59	12°36	25°36	n.a.	T 4
F 5	12 31 51	9°34'56	18°50	0♉37	9°37	19°11	15° 1	13°42	26°27	12°37	22°17	13°55	12°33	25°43	n.a.	F 5
S 6	12 35 48	10°32'50	2♈ 8	1°33	10°49	19°49	15° 7	13°47	26°30	12°39	22°18	13°48	12°30	25°50	n.a.	S 6
S 7	12 39 44	11°30'42	15°12	2°24	12° 1	20°28	15°13	13°52	26°33	12°41	22°19	13°39	12°27	25°56	n.a.	S 7
M 8	12 43 41	12°28'33	28° 2	3°10	13°14	21° 6	15°19	13°57	26°37	12°43	22°21	13°29	12°24	26° 3	n.a.	M 8
T 9	12 47 38	13°26'22	10♉37	3°51	14°26	21°44	15°25	14° 2	26°40	12°45	22°22	13°18	12°21	26°10	n.a.	T 9
W10	12 51 34	14°24'10	22°58	4°27	15°38	22°22	15°31	14° 7	26°44	12°47	22°23	13° 8	12°17	26°16	n.a.	W10
T 11	12 55 31	15°21'55	5♊ 6	4°59	16°50	23° 0	15°36	14°12	26°47	12°49	22°24	13° 0	12°14	26°23	n.a.	T 11
F 12	12 59 27	16°19'39	17° 4	5°25	18° 2	23°38	15°42	14°18	26°50	12°51	22°25	12°53	12°11	26°30	n.a.	F 12
S 13	13 3 24	17°17'22	28°56	5°47	19°15	24°16	15°47	14°23	26°54	12°53	22°26	12°49	12° 8	26°36	n.a.	S 13
S 14	13 7 20	18°15'02	10♋46	6° 3	20°27	24°54	15°52	14°29	26°57	12°55	22°27	12°48	12° 5	26°43	n.a.	S 14
M15	13 11 17	19°12'41	22°39	6°15	21°39	25°33	15°57	14°34	27° 1	12°57	22°28	12°D47	12° 1	26°50	n.a.	M15
T 16	13 15 13	20°10'19	4♌40	6°21	22°52	26°11	16° 1	14°40	27° 4	12°59	22°29	12°48	11°58	26°57	n.a.	T 16
W17	13 19 10	21° 7'54	16°56	6°R23	24° 4	26°49	16° 6	14°45	27° 8	13° 2	22°30	12°R48	11°55	27° 3	n.a.	W17
T 18	13 23 7	22° 5'28	29°29	6°20	25°16	27°27	16°10	14°51	27°11	13° 4	22°30	12°47	11°52	27°10	n.a.	T 18
F 19	13 27 3	23° 3'01	12♍25	6°12	26°29	28° 5	16°15	14°57	27°15	13° 6	22°31	12°43	11°49	27°17	n.a.	F 19
S 20	13 31 0	24° 0'31	25°46	6° 0	27°41	28°43	16°19	15° 3	27°18	13° 8	22°32	12°38	11°46	27°23	n.a.	S 20
S 21	13 34 56	24°58'01	9♎31	5°44	28°53	29°21	16°22	15° 8	27°22	13°10	22°33	12°29	11°42	27°30	n.a.	S 21
M22	13 38 53	25°55'29	23°40	5°24	0♈ 6	29°59	16°26	15°14	27°25	13°12	22°34	12°19	11°39	27°37	n.a.	M22
T 23	13 42 49	26°52'56	8♏ 6	5° 1	1°18	0♊37	16°30	15°20	27°29	13°14	22°35	12° 9	11°36	27°43	n.a.	T 23
W24	13 46 46	27°50'22	22°44	4°35	2°31	1°15	16°33	15°26	27°32	13°17	22°35	11°58	11°33	27°50	n.a.	W24
T 25	13 50 42	28°47'47	7♐25	4° 6	3°43	1°53	16°36	15°33	27°36	13°19	22°36	11°49	11°30	27°57	n.a.	T 25
F 26	13 54 39	29°45'11	22° 3	3°35	4°56	2°31	16°39	15°39	27°39	13°21	22°37	11°43	11°27	28° 3	n.a.	F 26
S 27	13 58 36	0♑42'34	6♑31	3° 2	6° 8	3° 9	16°42	15°45	27°43	13°23	22°38	11°39	11°23	28°10	n.a.	S 27
S 28	14 2 32	1°39'57	20°47	2°29	7°21	3°47	16°44	15°51	27°46	13°25	22°38	11°37	11°20	28°17	n.a.	S 28
M29	14 6 29	2°37'18	4♒48	1°55	8°33	4°25	16°47	15°58	27°50	13°28	22°39	11°37	11°17	28°23	n.a.	M29
T 30	14 10 25	3♑34'39	18♒35	1♑22	9♈46	5♊ 3	16♉49	16♊ 4	27♈53	13♉30	22♒40	11♒37	11♒14	28♊30	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n18	23s20	1s46	12n39	2n36	11s13	1s27	17n51	0n52	23s21	0s25	22n 9	0s34	9n51	0s25	14n10	1s42	28s37	15s16	16s50	17s12	27n27		n.a.
T 2	2 41	19 3	0 33	13 10	2 41	10 47	1 28	18 3	0 52	23 21	0 25	22 9	0 34	9 53	0 25	14 10	1 42	28 37	15 16	16 50	17 13	27 27		n.a.
W 3	3 4	13 48	0n41	13 38	2 44	10 21	1 29	18 14	0 53	23 20	0 26	22 10	0 33	9 54	0 25	14 11	1 42	28 37	15 16	16 50	17 14	27 27		n.a.
T 4	3 28	7 56	1 52	14 4	2 46	9 55	1 30	18 25	0 53	23 20	0 26	22 11	0 33	9 55	0 25	14 12	1 42	28 37	15 16	16 51	17 14	27 26		n.a.
F 5	3 51	1 47	2 55	14 27	2 48	9 28	1 32	18 36	0 53	23 19	0 26	22 11	0 33	9 56	0 25	14 12	1 42	28 36	15 17	16 52	17 15	27 26		n.a.
S 6	4 14	4n20	3 48	14 47	2 48	9 2	1 33	18 47	0 54	23 19	0 26	22 12	0 33	9 57	0 25	14 13	1 42	28 36	15 17	16 54	17 16	27 26		n.a.
S 7	4 37	10 10	4 28	15 5	2 48	8 35	1 34	18 58	0 54	23 18	0 26	22 13	0 33	9 59	0 25	14 13	1 42	28 36	15 17	16 56	17 17	27 25		n.a.
M 8	4 59	15 27	4 53	15 19	2 46	8 7	1 34	19 8	0 54	23 18	0 27	22 14	0 33	10 0	0 25	14 14	1 42	28 36	15 17	16 59	17 18	27 25		n.a.
T 9	5 22	19 59	5 4	15 31	2 43	7 40	1 35	19 19	0 55	23 17	0 27	22 14	0 33	10 1	0 25	14 15	1 42	28 36	15 18	17 3	17 19	27 24		n.a.
W10	5 45	23 34	5 0	15 40	2 40	7 12	1 36	19 29	0 55	23 17	0 27	22 15	0 32	10 3	0 25	14 15	1 42	28 36	15 18	17 5	17 20	27 24		n.a.
T 11	6 8	26 3	4 42	15 47	2 35	6 44	1 37	19 39	0 55	23 16	0 27	22 16	0 32	10 4	0 25	14 16	1 42	28 36	15 18	17 8	17 21	27 24		n.a.
F 12	6 30	27 17	4 12	15 50	2 29	6 16	1 37	19 49	0 56	23 16	0 27	22 17	0 32	10 5	0 25	14 17	1 42	28 36	15 19	17 10	17 22	27 23		n.a.
S 13	6 52	27 16	3 32	15 51	2 22	5 48	1 38	19 59	0 56	23 15	0 28	22 17	0 32	10 6	0 25	14 17	1 42	28 36	15 19	17 11	17 23	27 23		n.a.
S 14	7 15	26 0	2 42	15 49	2 14	5 20	1 38	20 9	0 56	23 15	0 28	22 18	0 32	10 8	0 25	14 18	1 42	28 36	15 19	17 11	17 23	27 22		n.a.
M15	7 37	23 33	1 45	15 44	2 5	4 51	1 38	20 19	0 57	23 15	0 28	22 19	0 32	10 9	0 25	14 19	1 42	28 36	15 20	17 11	17 24	27 22		n.a.
T 16	7 59	20 2	0 43	15 37	1 55	4 22	1 39	20 28	0 57	23 14	0 28	22 20	0 32	10 10	0 25	14 19	1 42	28 35	15 20	17 11	17 25	27 21		n.a.
W17	8 21	15 37	0s22	15 27	1 44	3 54	1 39	20 37	0 57	23 14	0 29	22 21	0 31	10 11	0 25	14 20	1 42	28 35	15 20	17 11	17 26	27 21		n.a.
T 18	8 43	10 26	1 28	15 15	1 32	3 25	1 39	20 47	0 58	23 14	0 29	22 21	0 31	10 13	0 25	14 21	1 42	28 35	15 20	17 12	17 27	27 20		n.a.
F 19	9 4	4 40	2 30	15 0	1 19	2 56	1 39	20 56	0 58	23 13	0 29	22 22	0 31	10 14	0 25	14 21	1 42	28 35	15 21	17 12	17 28	27 20		n.a.
S 20	9 26	1s27	3 27	14 43	1 5	2 26	1 39	21 4	0 58	23 13	0 29	22 23	0 31	10 15	0 25	14 22	1 42	28 35	15 21	17 14	17 29	27 19		n.a.
S 21	9 47	7 42	4 13	14 23	0 50	1 57	1 39	21 13	0 58	23 13	0 29	22 24	0 31	10 16	0 25	14 23	1 42	28 35	15 21	17 16	17 30	27 19		n.a.
M22	10 8	13 43	4 46	14 2	0 34	1 28	1 39	21 22	0 59	23 13	0 30	22 24	0 31	10 18	0 25	14 23	1 42	28 35	15 22	17 19	17 31	27 18		n.a.
T 23	10 29	19 7	5 1	13 39	0 18	0 58	1 38	21 30	0 59	23 12	0 30	22 25	0 31	10 19	0 25	14 24	1 42	28 35	15 22	17 22	17 32	27 18		n.a.
W24	10 50	23 27	4 56	13 14	0 2	0 29	1 38	21 38	0 59	23 12	0 30	22 26	0 31	10 20	0 25	14 25	1 42	28 35	15 22	17 25	17 32	27 17		n.a.
T 25	11 11	26 18	4 32	12 49	0s15	0n 0	1 38	21 47	1 0	23 12	0 30	22 27	0 30	10 22	0 25	14 25	1 42	28 36	15 23	17 28	17 33	27 17		n.a.
F 26	11 32	27 20	3 50	12 22	0 32	0 30	1 37	21 54	1 0	23 12	0 31	22 28	0 30	10 23	0 25	14 26	1 42	28 36	15 23	17 30	17 34	27 16		n.a.
S 27	11 52	26 29	2 54	11 54	0 50	1 0	1 37	22 2	1 0	23 12	0 31	22 28	0 30	10 24	0 25	14 27	1 42	28 36	15 23	17 31	17 35	27 16		n.a.
S 28	12 12	23 54	1 48	11 27	1 7	1 29	1 36	22 10	1 0	23 12	0 31	22 29	0 30	10 25	0 25	14 27	1 42	28 36	15 24	17 31	17 36	27 15		n.a.
M29	12 32	19 53	0 36	10 59	1 24	1 59	1 35	22 17	1 1	23 12	0 31	22 30	0 30	10 27	0 25	14 28	1 42	28 36	15 24	17 31	17 37	27 15		n.a.
T 30	12n52	14s52	0n37	10n32	1s40	2n28	1s35	22n25	1n 1	23s12	0s31	22n31	0s30	10n28	0s25	14n29	1s42	28s36	15s24	17s31	17s38	27n14		n.a.

Julian Day Number = 1571030.5, Delta T = 04h17m41s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'31, Lahiri = - 9°38'30 Julian Calendar 1 Apr. 412 BCE == Greg. Calendar 27 March 412 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

MAY 412 BCE (-411) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 14 22	4♉31'59	2♓ 7	0°R49	10♈58	5♊41	16♏51	16♊11	27♈57	13♉32	22♒40	11°R36	11♒11	28♊37	n.a.	W 1
T 2	14 18 18	5°29'19	15°26	0♉17	12°11	6°19	16°53	16°17	28° 0	13°34	22°41	11♒33	11° 7	28°43	n.a.	T 2
F 3	14 22 15	6°26'38	28°34	29♈48	13°24	6°57	16°55	16°24	28° 3	13°36	22°42	11°27	11° 4	28°50	n.a.	F 3
S 4	14 26 11	7°23'56	11♈30	29°21	14°36	7°35	16°56	16°30	28° 7	13°39	22°42	11°18	11° 1	28°57	n.a.	S 4
S 5	14 30 8	8°21'13	24°15	28°56	15°49	8°12	16°57	16°37	28°10	13°41	22°43	11° 7	10°58	29° 3	n.a.	S 5
M 6	14 34 5	9°18'30	6♉48	28°35	17° 2	8°50	16°58	16°44	28°14	13°43	22°43	10°54	10°55	29°10	n.a.	M 6
T 7	14 38 1	10°15'46	19°10	28°17	18°14	9°28	16°59	16°50	28°17	13°45	22°44	10°40	10°52	29°17	n.a.	T 7
W 8	14 41 58	11°13'01	1♊22	28° 3	19°27	10° 6	17° 0	16°57	28°21	13°48	22°44	10°27	10°48	29°24	n.a.	W 8
T 9	14 45 54	12°10'15	13°23	27°54	20°40	10°44	17° 0	17° 4	28°24	13°50	22°45	10°16	10°45	29°30	n.a.	T 9
F 10	14 49 51	13° 7'29	25°18	27°48	21°52	11°22	17° 1	17°11	28°27	13°52	22°45	10° 8	10°42	29°37	n.a.	F 10
S 11	14 53 47	14° 4'41	7♋ 7	27°D47	23° 5	12° 0	17°R 1	17°18	28°31	13°54	22°46	10° 2	10°39	29°44	n.a.	S 11
S 12	14 57 44	15° 1'53	18°55	27°50	24°18	12°38	17° 1	17°25	28°34	13°57	22°46	9°58	10°36	29°50	n.a.	S 12
M13	15 1 41	15°59'04	0♌46	27°58	25°31	13°16	17° 1	17°32	28°38	13°59	22°46	9°57	10°33	29°57	n.a.	M13
T 14	15 5 37	16°56'15	12°46	28°10	26°44	13°54	17° 0	17°39	28°41	14° 1	22°47	9°57	10°29	0♋ 4	n.a.	T 14
W15	15 9 34	17°53'24	25° 0	28°27	27°56	14°32	16°59	17°46	28°44	14° 3	22°47	9°57	10°26	0°10	n.a.	W15
T 16	15 13 30	18°50'33	7♍32	28°49	29° 9	15°10	16°59	17°53	28°48	14° 5	22°47	9°56	10°23	0°17	n.a.	T 16
F 17	15 17 27	19°47'40	20°29	29°15	0♉22	15°47	16°58	18° 1	28°51	14° 8	22°48	9°53	10°20	0°24	n.a.	F 17
S 18	15 21 23	20°44'48	3♎52	29°45	1°35	16°25	16°56	18° 8	28°54	14°10	22°48	9°47	10°17	0°30	n.a.	S 18
S 19	15 25 20	21°41'54	17°44	0♉20	2°48	17° 3	16°55	18°15	28°58	14°12	22°48	9°39	10°13	0°37	n.a.	S 19
M20	15 29 16	22°39'00	2♏ 4	0°59	4° 1	17°41	16°53	18°22	29° 1	14°14	22°48	9°30	10°10	0°44	n.a.	M20
T 21	15 33 13	23°36'06	16°46	1°43	5°14	18°19	16°52	18°30	29° 4	14°17	22°48	9°19	10° 7	0°50	n.a.	T 21
W22	15 37 10	24°33'11	1♐43	2°31	6°27	18°57	16°50	18°37	29° 7	14°19	22°49	9° 9	10° 4	0°57	n.a.	W22
T 23	15 41 6	25°30'16	16°46	3°23	7°40	19°35	16°48	18°44	29°11	14°21	22°49	9° 0	10° 1	1° 4	n.a.	T 23
F 24	15 45 3	26°27'22	1♑45	4°19	8°53	20°13	16°45	18°52	29°14	14°23	22°49	8°54	9°58	1°10	n.a.	F 24
S 25	15 48 59	27°24'27	16°33	5°19	10° 6	20°51	16°43	18°59	29°17	14°25	22°49	8°50	9°54	1°17	n.a.	S 25
S 26	15 52 56	28°21'32	1♒ 3	6°23	11°19	21°28	16°40	19° 7	29°20	14°28	22°49	8°48	9°51	1°24	n.a.	S 26
M27	15 56 52	29°18'37	15°12	7°31	12°32	22° 6	16°37	19°14	29°23	14°30	22°49	8°D48	9°48	1°30	n.a.	M27
T 28	16 0 49	0♊15'43	29° 0	8°42	13°45	22°44	16°34	19°22	29°26	14°32	22°49	8°R48	9°45	1°37	n.a.	T 28
W29	16 4 45	1°12'48	12♓27	9°58	14°58	23°22	16°31	19°29	29°29	14°34	22°R49	8°48	9°42	1°44	n.a.	W29
T 30	16 8 42	2° 9'54	25°37	11°17	16°11	24° 0	16°27	19°37	29°33	14°36	22°49	8°46	9°39	1°50	n.a.	T 30
F 31	16 12 39	3♊ 7'00	8♈31	12♉40	17♉24	24♊38	16♏24	19♊44	29♈36	14♉38	22♒49	8♒41	9♒35	1♋57	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	13n12	9s12	1n46	10n 6	1s56	2n58	1s34	22n32	1n 1	23s12	0s32	22n32	0s30	10n29	0s25	14n29	1s42	28s36	15s25	17s32	17s39	27n13			n.a.
T 2	13 31	3 13	2 49	9 41	2 11	3 27	1 33	22 39	1 1	23 12	0 32	22 32	0 29	10 30	0 25	14 30	1 42	28 36	15 25	17 33	17 40	27 13			n.a.
F 3	13 50	2n47	3 41	9 17	2 25	3 57	1 32	22 46	1 2	23 12	0 32	22 33	0 29	10 32	0 25	14 31	1 42	28 36	15 26	17 34	17 40	27 12			n.a.
S 4	14 9	8 36	4 21	8 55	2 39	4 26	1 31	22 52	1 2	23 12	0 32	22 34	0 29	10 33	0 25	14 31	1 41	28 36	15 26	17 37	17 41	27 12			n.a.
S 5	14 28	13 57	4 47	8 34	2 51	4 55	1 30	22 59	1 2	23 12	0 33	22 35	0 29	10 34	0 25	14 32	1 41	28 37	15 26	17 40	17 42	27 11			n.a.
M 6	14 47	18 39	4 59	8 16	3 2	5 24	1 29	23 5	1 2	23 12	0 33	22 36	0 29	10 35	0 25	14 33	1 41	28 37	15 27	17 43	17 43	27 11			n.a.
T 7	15 5	22 29	4 57	8 0	3 13	5 54	1 28	23 11	1 2	23 12	0 33	22 36	0 29	10 37	0 25	14 33	1 41	28 37	15 27	17 47	17 44	27 10			n.a.
W 8	15 23	25 16	4 40	7 47	3 22	6 23	1 26	23 17	1 3	23 12	0 33	22 37	0 29	10 38	0 25	14 34	1 41	28 37	15 27	17 51	17 45	27 9			n.a.
T 9	15 41	26 52	4 12	7 36	3 29	6 51	1 25	23 23	1 3	23 12	0 34	22 38	0 29	10 39	0 25	14 35	1 41	28 37	15 28	17 54	17 46	27 9			n.a.
F 10	15 59	27 12	3 33	7 28	3 36	7 20	1 24	23 28	1 3	23 12	0 34	22 39	0 29	10 40	0 25	14 36	1 41	28 37	15 28	17 56	17 47	27 8			n.a.
S 11	16 16	26 17	2 44	7 23	3 41	7 49	1 22	23 34	1 3	23 13	0 34	22 40	0 28	10 42	0 25	14 36	1 41	28 38	15 28	17 58	17 47	27 7			n.a.
S 12	16 33	24 11	1 49	7 20	3 46	8 17	1 21	23 39	1 4	23 13	0 34	22 40	0 28	10 43	0 25	14 37	1 41	28 38	15 29	17 59	17 48	27 7			n.a.
M13	16 50	21 2	0 48	7 20	3 49	8 45	1 19	23 44	1 4	23 13	0 35	22 41	0 28	10 44	0 25	14 38	1 41	28 38	15 29	17 59	17 49	27 6			n.a.
T 14	17 7	16 57	0s15	7 22	3 51	9 14	1 18	23 49	1 4	23 13	0 35	22 42	0 28	10 45	0 25	14 38	1 41	28 38	15 30	17 59	17 50	27 5			n.a.
W15	17 23	12 7	1 19	7 28	3 52	9 41	1 16	23 54	1 4	23 14	0 35	22 43	0 28	10 46	0 25	14 39	1 41	28 38	15 30	17 59	17 51	27 5			n.a.
T 16	17 39	6 41	2 21	7 35	3 51	10 9	1 15	23 58	1 4	23 14	0 35	22 43	0 28	10 48	0 25	14 40	1 41	28 39	15 30	17 59	17 52	27 4			n.a.
F 17	17 55	0 48	3 17	7 46	3 50	10 37	1 13	24 3	1 4	23 15	0 36	22 44	0 28	10 49	0 25	14 40	1 41	28 39	15 31	18 0	17 53	27 3			n.a.
S 18	18 10	5s18	4 5	7 58	3 48	11 4	1 11	24 7	1 5	23 15	0 36	22 45	0 28	10 50	0 25	14 41	1 41	28 39	15 31	18 2	17 54	27 3			n.a.
S 19	18 25	11 21	4 40	8 14	3 45	11 31	1 9	24 11	1 5	23 15	0 36	22 46	0 28	10 51	0 25	14 42	1 41	28 39	15 31	18 4	17 54	27 2			n.a.
M20	18 40	17 0	4 59	8 31	3 41	11 58	1 7	24 15	1 5	23 16	0 36	22 47	0 27	10 52	0 25	14 42	1 41	28 40	15 32	18 6	17 55	27 1			n.a.
T 21	18 55	21 49	4 59	8 51	3 36	12 24	1 6	24 18	1 5	23 16	0 36	22 47	0 27	10 54	0 25	14 43	1 41	28 40	15 32	18 9	17 56	27 0			n.a.
W22	19 9	25 19	4 39	9 12	3 31	12 50	1 4	24 22	1 5	23 17	0 37	22 48	0 27	10 55	0 25	14 44	1 41	28 40	15 33	18 12	17 57	27 0			n.a.
T 23	19 23	27 3	3 59	9 36	3 24	13 16	1 2	24 25	1 6	23 17	0 37	22 49	0 27	10 56	0 25	14 44	1 41	28 41	15 33	18 14	17 58	26 59			n.a.
F 24	19 37	26 47	3 3	10 2	3 17	13 42	1 0	24 28	1 6	23 18	0 37	22 49	0 27	10 57	0 25	14 45	1 41	28 41	15 33	18 16	17 59	26 58			n.a.
S 25	19 50	24 37	1 55	10 29	3 10	14 7	0 58	24 31	1 6	23 18	0 37	22 50	0 27	10 58	0 25	14 46	1 41	28 41	15 34	18 17	18 0	26 57			n.a.
S 26	20 3	20 51	0 41	10 58	3 1	14 32	0 56	24 34	1 6	23 19	0 38	22 51	0 27	10 59	0 25	14 46	1 41	28 41	15 34	18 17	18 0	26 57			n.a.
M27	20 16	15 57	0n34	11 29	2 52	14 57	0 53	24 37	1 6	23 20	0 38	22 52	0 27	11 0	0 25	14 47	1 41	28 42	15 34	18 17	18 1	26 56			n.a.
T 28	20 28	10 20	1 45	12 1	2 43	15 21	0 51	24 39	1 6	23 20	0 38	22 52	0 27	11 2	0 25	14 47	1 41	28 42	15 35	18 17	18 2	26 55			n.a.
W29	20 40	4 23	2 49	12 34	2 33	15 45	0 49	24 41	1 6	23 21	0 38	22 53	0 26	11 3	0 25	14 48	1 41	28 42	15 35	18 17	18 3	26 54			n.a.
T 30	20 52	1n37	3 42	13 9	2 23	16 9	0 47	24 43	1 7	23 21	0 39	22 54	0 26	11 4	0 25	14 49	1 41	28 43	15 36	18 18	18 4	26 54			n.a.
F 31	21n 3	7n26	4n23	13n45	2s12	16n32	0s45	24n45	1n 7	23s22	0s39	22n54	0s26	11n 5	0s25	14n49	1s41	28s43	15s36	18s19	18s 5	26n53			n.a.

Julian Day Number = 1571060.5, Delta T = 04h17m40s
Ecliptic obliquity = 23°44'49, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'27, Lahiri = - 9°38'26 Julian Calendar 1 May 412 BCE == Greg. Calendar 26 Apr. 412 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

JUNE 412 BCE (-411) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 16 35	4♊ 4'07	21♈11	14♉ 7	18♉37	25♊16	16°R20	19♊52	29♈39	14♉41	22°R49	8°R34	9♒32	2♋ 4	n.a.	S 1
S 2	16 20 32	5° 1'14	3♉39	15°37	19°50	25°54	16♑16	20° 0	29°42	14°43	22♒49	8♒24	9°29	2°10	n.a.	S 2
M 3	16 24 28	5°58'21	15°57	17°11	21° 4	26°31	16°12	20° 7	29°45	14°45	22°49	8°14	9°26	2°17	n.a.	M 3
T 4	16 28 25	6°55'28	28° 7	18°48	22°17	27° 9	16° 8	20°15	29°48	14°47	22°49	8° 2	9°23	2°24	n.a.	T 4
W 5	16 32 21	7°52'36	10♊ 8	20°29	23°30	27°47	16° 3	20°23	29°51	14°49	22°49	7°52	9°19	2°30	n.a.	W 5
T 6	16 36 18	8°49'43	22° 3	22°13	24°43	28°25	15°58	20°30	29°53	14°51	22°48	7°42	9°16	2°37	n.a.	T 6
F 7	16 40 15	9°46'51	3♋53	24° 0	25°57	29° 3	15°54	20°38	29°56	14°53	22°48	7°35	9°13	2°44	n.a.	F 7
S 8	16 44 11	10°44'00	15°40	25°50	27°10	29°41	15°49	20°46	29°59	14°55	22°48	7°30	9°10	2°51	n.a.	S 8
S 9	16 48 8	11°41'08	27°28	27°43	28°23	0♌19	15°44	20°53	0♉ 2	14°57	22°48	7°28	9° 7	2°57	n.a.	S 9
M10	16 52 4	12°38'16	9♌20	29°39	29°37	0°57	15°38	21° 1	0° 5	14°59	22°48	7°D27	9° 4	3° 4	n.a.	M10
T 11	16 56 1	13°35'25	21°20	1♊37	0♊50	1°35	15°33	21° 9	0° 8	15° 1	22°47	7°28	9° 0	3°11	n.a.	T 11
W12	16 59 57	14°32'34	3♍33	3°38	2° 4	2°13	15°27	21°17	0°10	15° 3	22°47	7°29	8°57	3°17	n.a.	W12
T 13	17 3 54	15°29'43	16° 3	5°40	3°17	2°51	15°22	21°24	0°13	15° 5	22°47	7°R29	8°54	3°24	n.a.	T 13
F 14	17 7 50	16°26'52	28°57	7°44	4°31	3°29	15°16	21°32	0°16	15° 7	22°46	7°29	8°51	3°31	n.a.	F 14
S 15	17 11 47	17°24'01	12♎17	9°50	5°44	4° 6	15°10	21°40	0°18	15° 9	22°46	7°26	8°48	3°37	n.a.	S 15
S 16	17 15 44	18°21'11	26° 6	11°56	6°57	4°44	15° 4	21°48	0°21	15°11	22°45	7°21	8°45	3°44	n.a.	S 16
M17	17 19 40	19°18'21	10♏23	14° 3	8°11	5°22	14°58	21°56	0°23	15°13	22°45	7°15	8°41	3°51	n.a.	M17
T 18	17 23 37	20°15'31	25° 7	16°11	9°25	6° 0	14°51	22° 3	0°26	15°15	22°45	7° 9	8°38	3°57	n.a.	T 18
W19	17 27 33	21°12'42	10♐10	18°19	10°38	6°38	14°45	22°11	0°28	15°17	22°44	7° 2	8°35	4° 4	n.a.	W19
T 20	17 31 30	22° 9'54	25°23	20°26	11°52	7°16	14°38	22°19	0°31	15°19	22°44	6°56	8°32	4°11	n.a.	T 20
F 21	17 35 26	23° 7'07	10♑36	22°34	13° 5	7°54	14°32	22°27	0°33	15°21	22°43	6°52	8°29	4°17	n.a.	F 21
S 22	17 39 23	24° 4'20	25°39	24°41	14°19	8°32	14°25	22°35	0°36	15°23	22°43	6°50	8°25	4°24	n.a.	S 22
S 23	17 43 19	25° 1'34	10♒24	26°47	15°33	9°10	14°18	22°42	0°38	15°25	22°42	6°D49	8°22	4°31	n.a.	S 23
M24	17 47 16	25°58'49	24°46	28°51	16°46	9°48	14°11	22°50	0°40	15°26	22°42	6°50	8°19	4°37	n.a.	M24
T 25	17 51 13	26°56'06	8♓43	0♋55	18° 0	10°26	14° 4	22°58	0°43	15°28	22°41	6°51	8°16	4°44	n.a.	T 25
W26	17 55 9	27°53'23	22°16	2°58	19°14	11° 4	13°57	23° 6	0°45	15°30	22°40	6°R52	8°13	4°51	n.a.	W26
T 27	17 59 6	28°50'41	5♈25	4°59	20°28	11°42	13°49	23°14	0°47	15°32	22°40	6°52	8°10	4°57	n.a.	T 27
F 28	18 3 2	29°48'01	18°14	6°59	21°41	12°20	13°42	23°21	0°49	15°33	22°39	6°51	8° 6	5° 4	n.a.	F 28
S 29	18 6 59	0♋45'22	0♉45	8°58	22°55	12°58	13°35	23°29	0°51	15°35	22°39	6°48	8° 3	5°11	n.a.	S 29
S 30	18 10 55	1♋42'45	13♉ 4	10♋55	24♊ 9	13♋36	13♑27	23♊37	0♉54	15♉37	22♒38	6♒43	8♒ 0	5♋17	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n14	12n50	4n50	14n22	2s 1	16n54	0s42	24n46	1n 7	23s23	0s39	22n55	0s26	11n 6	0s25	14n50	1s41	28s44	15s36	18s21	18s 6	26n52		n.a.
S 2	21 25	17 37	5 2	14 59	1 49	17 17	0 40	24 48	1 7	23 24	0 39	22 56	0 26	11 7	0 25	14 51	1 42	28 44	15 37	18 24	18 6	26 51		n.a.
M 3	21 35	21 37	5 1	15 37	1 38	17 39	0 38	24 49	1 7	23 24	0 40	22 57	0 26	11 8	0 25	14 51	1 42	28 44	15 37	18 26	18 7	26 50		n.a.
T 4	21 45	24 37	4 45	16 16	1 26	18 0	0 36	24 50	1 7	23 25	0 40	22 57	0 26	11 9	0 25	14 52	1 42	28 45	15 37	18 29	18 8	26 49		n.a.
W 5	21 54	26 30	4 17	16 55	1 14	18 21	0 33	24 51	1 7	23 26	0 40	22 58	0 26	11 10	0 25	14 52	1 42	28 45	15 38	18 32	18 9	26 49		n.a.
T 6	22 3	27 8	3 38	17 34	1 1	18 42	0 31	24 52	1 8	23 27	0 40	22 59	0 26	11 11	0 25	14 53	1 42	28 46	15 38	18 35	18 10	26 48		n.a.
F 7	22 12	26 31	2 50	18 13	0 49	19 2	0 28	24 52	1 8	23 27	0 41	22 59	0 26	11 12	0 25	14 54	1 42	28 46	15 39	18 37	18 11	26 47		n.a.
S 8	22 21	24 42	1 54	18 52	0 37	19 21	0 26	24 53	1 8	23 28	0 41	23 0	0 25	11 13	0 25	14 54	1 42	28 46	15 39	18 38	18 12	26 46		n.a.
S 9	22 29	21 48	0 53	19 30	0 25	19 40	0 24	24 53	1 8	23 29	0 41	23 0	0 25	11 14	0 25	14 55	1 42	28 47	15 39	18 38	18 12	26 45		n.a.
M10	22 36	17 59	0s10	20 7	0 13	19 59	0 21	24 53	1 8	23 30	0 41	23 1	0 25	11 15	0 25	14 55	1 42	28 47	15 40	18 39	18 13	26 44		n.a.
T 11	22 43	13 24	1 14	20 43	0 2	20 17	0 19	24 52	1 8	23 31	0 41	23 2	0 25	11 16	0 25	14 56	1 42	28 48	15 40	18 38	18 14	26 43		n.a.
W12	22 50	8 14	2 16	21 18	0n10	20 34	0 16	24 52	1 8	23 32	0 42	23 2	0 25	11 17	0 25	14 57	1 42	28 48	15 40	18 38	18 15	26 43		n.a.
T 13	22 57	2 37	3 13	21 52	0 21	20 51	0 14	24 51	1 8	23 33	0 42	23 3	0 25	11 18	0 25	14 57	1 42	28 49	15 41	18 38	18 16	26 42		n.a.
F 14	23 3	3s16	4 1	22 23	0 31	21 7	0 12	24 50	1 8	23 34	0 42	23 3	0 25	11 19	0 25	14 58	1 42	28 49	15 41	18 38	18 17	26 41		n.a.
S 15	23 8	9 11	4 39	22 53	0 41	21 23	0 9	24 49	1 8	23 34	0 42	23 4	0 25	11 20	0 25	14 58	1 42	28 49	15 41	18 39	18 18	26 40		n.a.
S 16	23 14	14 53	5 2	23 21	0 50	21 38	0 7	24 48	1 9	23 35	0 43	23 5	0 25	11 21	0 25	14 59	1 42	28 50	15 42	18 40	18 18	26 39		n.a.
M17	23 19	19 59	5 8	23 46	0 59	21 53	0 4	24 47	1 9	23 36	0 43	23 5	0 25	11 22	0 25	14 59	1 42	28 50	15 42	18 42	18 19	26 38		n.a.
T 18	23 23	24 1	4 53	24 8	1 7	22 7	0 2	24 45	1 9	23 37	0 43	23 6	0 25	11 23	0 25	15 0	1 42	28 51	15 42	18 43	18 20	26 37		n.a.
W19	23 27	26 31	4 18	24 28	1 15	22 20	0n 1	24 43	1 9	23 38	0 43	23 6	0 24	11 23	0 25	15 0	1 42	28 51	15 43	18 45	18 21	26 36		n.a.
T 20	23 31	27 5	3 25	24 45	1 22	22 33	0 3	24 41	1 9	23 39	0 43	23 7	0 24	11 24	0 25	15 1	1 42	28 52	15 43	18 47	18 22	26 35		n.a.
F 21	23 34	25 36	2 17	24 59	1 28	22 45	0 5	24 39	1 9	23 40	0 44	23 7	0 24	11 25	0 25	15 1	1 42	28 52	15 43	18 48	18 23	26 34		n.a.
S 22	23 37	22 16	1 0	25 11	1 33	22 56	0 8	24 37	1 9	23 41	0 44	23 8	0 24	11 26	0 25	15 2	1 42	28 53	15 44	18 48	18 23	26 33		n.a.
S 23	23 39	17 33	0n19	25 20	1 37	23 7	0 10	24 34	1 9	23 42	0 44	23 9	0 24	11 27	0 25	15 2	1 42	28 53	15 44	18 48	18 24	26 32		n.a.
M24	23 41	11 55	1 36	25 26	1 41	23 17	0 13	24 32	1 9	23 43	0 44	23 9	0 24	11 28	0 25	15 3	1 42	28 54	15 44	18 48	18 25	26 31		n.a.
T 25	23 43	5 52	2 45	25 29	1 44	23 27	0 15	24 29	1 9	23 44	0 44	23 10	0 24	11 28	0 25	15 3	1 42	28 54	15 45	18 48	18 26	26 30		n.a.
W26	23 44	0n17	3 42	25 29	1 47	23 35	0 17	24 26	1 9	23 45	0 45	23 10	0 24	11 29	0 25	15 4	1 42	28 55	15 45	18 48	18 27	26 29		n.a.
T 27	23 44	6 14	4 26	25 27	1 48	23 44	0 20	24 23	1 9	23 46	0 45	23 11	0 24	11 30	0 25	15 4	1 42	28 55	15 45	18 48	18 28	26 28		n.a.
F 28	23 45	11 46	4 55	25 23	1 49	23 51	0 22	24 19	1 9	23 47	0 45	23 11	0 24	11 31	0 25	15 5	1 42	28 56	15 46	18 48	18 28	26 27		n.a.
S 29	23 45	16 42	5 9	25 16	1 50	23 58	0 24	24 15	1 9	23 48	0 45	23 11	0 24	11 32	0 25	15 5	1 42	28 56	15 46	18 49	18 29	26 26		n.a.
S 30	23n44	20n52	5n 9	25n 7	1n50	24n 3	0n27	24n12	1n10	23s49	0s45	23n12	0s23	11n32	0s25	15n 6	1s42	28s57	15s46	18s50	18s30	26n25		n.a.

Julian Day Number = 1571091.5, Delta T = 04h17m39s
Ecliptic obliquity = 23°44'48, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'22, Lahiri = - 9°38'22 Julian Calendar 1 June 412 BCE == Greg. Calendar 27 May 412 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

JULY 412 BCE (-411) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 14 52	2♋40'08	25♉11	12♋50	25♊23	14♋14	13°R20	23♊45	0♉56	15♉38	22°R37	6°R37	7♒57	5♋24	n.a.	M 1
T 2	18 18 49	3°37'33	7♊11	14°44	26°37	14°52	13♂12	23°52	0°58	15°40	22♒36	6♒31	7°54	5°31	n.a.	T 2
W 3	18 22 45	4°34'59	19° 5	16°36	27°51	15°30	13° 4	24° 0	1° 0	15°42	22°36	6°26	7°51	5°37	n.a.	W 3
T 4	18 26 42	5°32'26	0♋55	18°27	29° 5	16° 8	12°57	24° 8	1° 2	15°43	22°35	6°21	7°47	5°44	n.a.	T 4
F 5	18 30 38	6°29'55	12°43	20°16	0♋19	16°46	12°49	24°15	1° 3	15°45	22°34	6°18	7°44	5°51	n.a.	F 5
S 6	18 34 35	7°27'24	24°31	22° 4	1°33	17°25	12°41	24°23	1° 5	15°46	22°33	6°15	7°41	5°57	n.a.	S 6
S 7	18 38 31	8°24'55	6♌22	23°50	2°47	18° 3	12°33	24°31	1° 7	15°48	22°33	6°D15	7°38	6° 4	n.a.	S 7
M 8	18 42 28	9°22'26	18°19	25°34	4° 1	18°41	12°26	24°38	1° 9	15°49	22°32	6°15	7°35	6°11	n.a.	M 8
T 9	18 46 24	10°19'59	0♍24	27°17	5°15	19°19	12°18	24°46	1°11	15°51	22°31	6°17	7°31	6°17	n.a.	T 9
W10	18 50 21	11°17'33	12°40	28°58	6°29	19°57	12°10	24°54	1°12	15°52	22°30	6°18	7°28	6°24	n.a.	W10
T 11	18 54 18	12°15'08	25°13	0♌38	7°43	20°35	12° 2	25° 1	1°14	15°54	22°29	6°20	7°25	6°31	n.a.	T 11
F 12	18 58 14	13°12'44	8♎ 5	2°17	8°57	21°13	11°54	25° 9	1°15	15°55	22°28	6°R21	7°22	6°37	n.a.	F 12
S 13	19 2 11	14°10'21	21°21	3°53	10°11	21°51	11°47	25°16	1°17	15°57	22°27	6°21	7°19	6°44	n.a.	S 13
S 14	19 6 7	15° 7'59	5♏ 2	5°29	11°26	22°30	11°39	25°24	1°18	15°58	22°27	6°19	7°16	6°51	n.a.	S 14
M15	19 10 4	16° 5'38	19° 9	7° 3	12°40	23° 8	11°31	25°31	1°20	15°59	22°26	6°18	7°12	6°57	n.a.	M15
T 16	19 14 0	17° 3'19	3♐42	8°35	13°54	23°46	11°23	25°39	1°21	16° 1	22°25	6°15	7° 9	7° 4	n.a.	T 16
W17	19 17 57	18° 1'01	18°36	10° 6	15° 8	24°24	11°15	25°46	1°23	16° 2	22°24	6°13	7° 6	7°11	n.a.	W17
T 18	19 21 53	18°58'44	3♑43	11°35	16°22	25° 2	11° 8	25°54	1°24	16° 3	22°23	6°11	7° 3	7°17	n.a.	T 18
F 19	19 25 50	19°56'29	18°55	13° 3	17°37	25°41	11° 0	26° 1	1°25	16° 4	22°22	6°10	7° 0	7°24	n.a.	F 19
S 20	19 29 47	20°54'15	4♒ 3	14°29	18°51	26°19	10°52	26° 8	1°26	16° 5	22°21	6°D 9	6°57	7°31	n.a.	S 20
S 21	19 33 43	21°52'03	18°56	15°53	20° 5	26°57	10°45	26°16	1°28	16° 7	22°20	6° 9	6°53	7°37	n.a.	S 21
M22	19 37 40	22°49'52	3♓29	17°16	21°20	27°35	10°37	26°23	1°29	16° 8	22°19	6°10	6°50	7°44	n.a.	M22
T 23	19 41 36	23°47'43	17°36	18°38	22°34	28°14	10°30	26°30	1°30	16° 9	22°18	6°11	6°47	7°51	n.a.	T 23
W24	19 45 33	24°45'37	1♈17	19°58	23°49	28°52	10°23	26°37	1°31	16°10	22°17	6°12	6°44	7°57	n.a.	W24
T 25	19 49 29	25°43'32	14°32	21°16	25° 3	29°30	10°15	26°45	1°32	16°11	22°16	6°13	6°41	8° 4	n.a.	T 25
F 26	19 53 26	26°41'29	27°23	22°32	26°17	0♌ 9	10° 8	26°52	1°33	16°12	22°15	6°R13	6°37	8°11	n.a.	F 26
S 27	19 57 22	27°39'28	9♉53	23°46	27°32	0°47	10° 1	26°59	1°34	16°13	22°13	6°13	6°34	8°17	n.a.	S 27
S 28	20 1 19	28°37'29	22° 8	24°59	28°46	1°25	9°54	27° 6	1°34	16°14	22°12	6°12	6°31	8°24	n.a.	S 28
M29	20 5 16	29°35'32	4♊11	26° 9	0♌ 1	2° 4	9°47	27°13	1°35	16°15	22°11	6°11	6°28	8°31	n.a.	M29
T 30	20 9 12	0♌33'37	16° 5	27°18	1°15	2°42	9°40	27°20	1°36	16°16	22°10	6°11	6°25	8°37	n.a.	T 30
W31	20 13 9	1♌31'44	27♊54	28♌24	2♌30	3♌21	9♂33	27♊27	1♉37	16♉16	22♒ 9	6♒10	6♒22	8♋44	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n43	24n 4	4n55	24n55	1n49	24n 9	0n29	24n 8	1n10	23s50	0s46	23n12	0s23	11n33	0s25	15n 6	1s42	28s57	15s47	18s51	18s31	26n24		n.a.
T 2	23 42	26 12	4 28	24 42	1 47	24 13	0 31	24 3	1 10	23 50	0 46	23 13	0 23	11 34	0 25	15 7	1 42	28 58	15 47	18 53	18 32	26 23		n.a.
W 3	23 40	27 6	3 50	24 27	1 45	24 17	0 33	23 59	1 10	23 51	0 46	23 13	0 23	11 34	0 25	15 7	1 42	28 58	15 47	18 54	18 33	26 22		n.a.
T 4	23 38	26 46	3 2	24 9	1 43	24 20	0 35	23 55	1 10	23 52	0 46	23 14	0 23	11 35	0 25	15 8	1 42	28 59	15 47	18 55	18 33	26 21		n.a.
F 5	23 35	25 13	2 5	23 50	1 40	24 22	0 38	23 50	1 10	23 53	0 46	23 14	0 23	11 36	0 25	15 8	1 42	28 59	15 48	18 56	18 34	26 20		n.a.
S 6	23 32	22 32	1 4	23 30	1 36	24 24	0 40	23 45	1 10	23 54	0 46	23 15	0 23	11 36	0 25	15 8	1 42	29 0	15 48	18 57	18 35	26 19		n.a.
S 7	23 29	18 54	0s 1	23 8	1 33	24 25	0 42	23 40	1 10	23 55	0 47	23 15	0 23	11 37	0 25	15 9	1 42	29 1	15 48	18 57	18 36	26 18		n.a.
M 8	23 25	14 29	1 6	22 45	1 28	24 25	0 44	23 35	1 10	23 56	0 47	23 15	0 23	11 38	0 25	15 9	1 42	29 1	15 49	18 57	18 37	26 17		n.a.
T 9	23 20	9 28	2 9	22 20	1 23	24 24	0 46	23 29	1 10	23 57	0 47	23 16	0 23	11 38	0 25	15 10	1 43	29 2	15 49	18 57	18 38	26 16		n.a.
W10	23 16	4 1	3 7	21 54	1 18	24 23	0 48	23 24	1 10	23 58	0 47	23 16	0 23	11 39	0 25	15 10	1 43	29 2	15 49	18 56	18 38	26 15		n.a.
T 11	23 10	1s42	3 58	21 27	1 13	24 21	0 50	23 18	1 10	23 59	0 47	23 16	0 23	11 39	0 25	15 10	1 43	29 3	15 49	18 56	18 39	26 14		n.a.
F 12	23 5	7 30	4 38	20 59	1 7	24 18	0 52	23 12	1 10	24 0	0 47	23 17	0 23	11 40	0 25	15 11	1 43	29 3	15 50	18 56	18 40	26 13		n.a.
S 13	22 59	13 7	5 5	20 30	1 1	24 14	0 53	23 6	1 10	24 0	0 48	23 17	0 22	11 40	0 25	15 11	1 43	29 4	15 50	18 56	18 41	26 12		n.a.
S 14	22 52	18 18	5 15	20 1	0 54	24 10	0 55	23 0	1 10	24 1	0 48	23 18	0 22	11 41	0 25	15 11	1 43	29 4	15 50	18 56	18 42	26 10		n.a.
M15	22 46	22 39	5 8	19 30	0 47	24 5	0 57	22 53	1 10	24 2	0 48	23 18	0 22	11 41	0 26	15 12	1 43	29 5	15 50	18 56	18 42	26 9		n.a.
T 16	22 39	25 45	4 40	18 59	0 40	23 59	0 59	22 46	1 10	24 3	0 48	23 18	0 22	11 42	0 26	15 12	1 43	29 5	15 51	18 57	18 43	26 8		n.a.
W17	22 31	27 8	3 54	18 28	0 33	23 52	1 0	22 40	1 10	24 4	0 48	23 19	0 22	11 42	0 26	15 12	1 43	29 6	15 51	18 58	18 44	26 7		n.a.
T 18	22 23	26 31	2 50	17 56	0 25	23 45	1 2	22 33	1 10	24 4	0 48	23 19	0 22	11 43	0 26	15 13	1 43	29 7	15 51	18 58	18 45	26 6		n.a.
F 19	22 15	23 56	1 34	17 23	0 17	23 37	1 4	22 26	1 10	24 5	0 48	23 19	0 22	11 43	0 26	15 13	1 43	29 7	15 51	18 58	18 46	26 5		n.a.
S 20	22 6	19 41	0 12	16 50	0 9	23 29	1 5	22 18	1 10	24 6	0 48	23 19	0 22	11 44	0 26	15 13	1 43	29 8	15 52	18 58	18 46	26 4		n.a.
S 21	21 57	14 14	1n10	16 17	0 1	23 19	1 7	22 11	1 10	24 7	0 49	23 20	0 22	11 44	0 26	15 14	1 43	29 8	15 52	18 58	18 47	26 2		n.a.
M22	21 47	8 6	2 26	15 44	0s 8	23 9	1 8	22 3	1 10	24 7	0 49	23 20	0 22	11 44	0 26	15 14	1 43	29 9	15 52	18 58	18 48	26 1		n.a.
T 23	21 37	1 45	3 30	15 10	0 17	22 58	1 9	21 55	1 10	24 8	0 49	23 20	0 22	11 45	0 26	15 14	1 43	29 9	15 52	18 58	18 49	26 0		n.a.
W24	21 27	4n29	4 20	14 37	0 25	22 47	1 11	21 47	1 10	24 9	0 49	23 21	0 22	11 45	0 26	15 14	1 43	29 10	15 52	18 58	18 50	25 59		n.a.
T 25	21 16	10 19	4 55	14 3	0 34	22 35	1 12	21 39	1 10	24 9	0 49	23 21	0 22	11 45	0 26	15 15	1 43	29 10	15 52	18 58	18 51	25 58		n.a.
F 26	21 5	15 32	5 13	13 30	0 44	22 22	1 13	21 31	1 10	24 10	0 49	23 21	0 21	11 46	0 26	15 15	1 43	29 11	15 53	18 58	18 51	25 57		n.a.
S 27	20 54	19 57	5 17	12 56	0 53	22 8	1 14	21 23	1 10	24 11	0 49	23 21	0 21	11 46	0 26	15 15	1 43	29 12	15 53	18 58	18 52	25 55		n.a.
S 28	20 42	23 26	5 5	12 23	1 2	21 54	1 15	21 14	1 10	24 11	0 49	23 22	0 21	11 46	0 26	15 15	1 43	29 12	15 53	18 58	18 53	25 54		n.a.
M29	20 30	25 50	4 40	11 50	1 12	21 39	1 16	21 5	1 10	24 12	0 49	23 22	0 21	11 47	0 26	15 16	1 43	29 13	15 53	18 58	18 54	25 53		n.a.
T 30	20 17	27 3	4 4	11 18	1 21	21 24	1 17	20 56	1 10	24 13	0 49	23 22	0 21	11 47	0 26	15 16	1 43	29 13	15 53	18 58	18 55	25 52		n.a.
W31	20n 4	27n 1	3n17	10n46	1s31	21n 8	1n18	20n47	1n10	24s13	0s49	23n22	0s21	11n47	0s26	15n16	1s44	29s14	15s54	18s58	18s55	25n50		n.a.

Julian Day Number = 1571121.5, Delta T = 04h17m38s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'18, Lahiri = - 9°38'18 Julian Calendar 1 July 412 BCE == Greg. Calendar 26 June 412 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

AUGUST 412 BCE (-411) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 17 5	2♌29'53	9♋42	29♌29	3♌44	3♌59	9°R27	27♊34	1♉37	16♉17	22°R 8	6°R 9	6♒18	8♋51	n.a.	T 1
F 2	20 21 2	3°28'04	21°32	0♍30	4°59	4°38	9♏20	27°41	1°38	16°18	22♒ 7	6♒ 9	6°15	8°57	n.a.	F 2
S 3	20 24 58	4°26'17	3♌25	1°30	6°14	5°16	9°14	27°47	1°38	16°19	22° 6	6°D 9	6°12	9° 4	n.a.	S 3
S 4	20 28 55	5°24'32	15°24	2°26	7°28	5°55	9° 7	27°54	1°39	16°20	22° 4	6° 9	6° 9	9°11	n.a.	S 4
M 5	20 32 51	6°22'48	27°30	3°20	8°43	6°33	9° 1	28° 1	1°39	16°20	22° 3	6°R 9	6° 6	9°17	n.a.	M 5
T 6	20 36 48	7°21'07	9♍47	4°11	9°58	7°12	8°55	28° 8	1°40	16°21	22° 2	6° 9	6° 2	9°24	n.a.	T 6
W 7	20 40 45	8°19'27	22°15	4°58	11°12	7°50	8°49	28°14	1°40	16°22	22° 1	6° 9	5°59	9°31	n.a.	W 7
T 8	20 44 41	9°17'48	4♎57	5°42	12°27	8°29	8°44	28°21	1°40	16°22	22° 0	6° 8	5°56	9°37	n.a.	T 8
F 9	20 48 38	10°16'12	17°55	6°23	13°42	9° 7	8°38	28°27	1°40	16°23	21°59	6° 8	5°53	9°44	n.a.	F 9
S 10	20 52 34	11°14'37	1♏12	6°59	14°56	9°46	8°32	28°34	1°41	16°23	21°57	6° 8	5°50	9°51	n.a.	S 10
S 11	20 56 31	12°13'04	14°47	7°31	16°11	10°24	8°27	28°40	1°41	16°24	21°56	6°D 8	5°47	9°57	n.a.	S 11
M12	21 0 27	13°11'33	28°44	7°59	17°26	11° 3	8°22	28°46	1°41	16°24	21°55	6° 8	5°43	10° 4	n.a.	M12
T 13	21 4 24	14°10'03	13♐ 1	8°21	18°40	11°42	8°17	28°53	1°R41	16°25	21°54	6° 8	5°40	10°11	n.a.	T 13
W14	21 8 20	15° 8'36	27°35	8°39	19°55	12°20	8°12	28°59	1°41	16°25	21°53	6° 9	5°37	10°17	n.a.	W14
T 15	21 12 17	16° 7'10	12♑23	8°51	21°10	12°59	8° 7	29° 5	1°41	16°25	21°51	6°10	5°34	10°24	n.a.	T 15
F 16	21 16 14	17° 5'46	27°19	8°R56	22°25	13°38	8° 3	29°11	1°40	16°26	21°50	6°10	5°31	10°31	n.a.	F 16
S 17	21 20 10	18° 4'23	12♒15	8°56	23°40	14°16	7°59	29°17	1°40	16°26	21°49	6°R11	5°28	10°37	n.a.	S 17
S 18	21 24 7	19° 3'03	27° 3	8°49	24°54	14°55	7°54	29°23	1°40	16°26	21°48	6°10	5°24	10°44	n.a.	S 18
M19	21 28 3	20° 1'45	11♓36	8°35	26° 9	15°34	7°50	29°29	1°40	16°27	21°47	6° 9	5°21	10°50	n.a.	M19
T 20	21 32 0	21° 0'29	25°48	8°14	27°24	16°13	7°47	29°35	1°39	16°27	21°45	6° 7	5°18	10°57	n.a.	T 20
W21	21 35 56	21°59'15	9♈34	7°46	28°39	16°52	7°43	29°41	1°39	16°27	21°44	6° 5	5°15	11° 4	n.a.	W21
T 22	21 39 53	22°58'04	22°55	7°11	29°54	17°30	7°40	29°46	1°39	16°27	21°43	6° 3	5°12	11°10	n.a.	T 22
F 23	21 43 49	23°56'54	5♉51	6°29	1♍ 8	18° 9	7°36	29°52	1°38	16°27	21°42	6° 1	5° 8	11°17	n.a.	F 23
S 24	21 47 46	24°55'48	18°25	5°40	2°23	18°48	7°33	29°58	1°38	16°27	21°40	6° 0	5° 5	11°24	n.a.	S 24
S 25	21 51 42	25°54'44	0♊40	4°45	3°38	19°27	7°30	0♋ 3	1°37	16°R27	21°39	6°D 0	5° 2	11°30	n.a.	S 25
M26	21 55 39	26°53'42	12°42	3°45	4°53	20° 6	7°28	0° 9	1°36	16°27	21°38	6° 1	4°59	11°37	n.a.	M26
T 27	21 59 36	27°52'43	24°34	2°41	6° 8	20°45	7°25	0°14	1°36	16°27	21°37	6° 2	4°56	11°44	n.a.	T 27
W28	22 3 32	28°51'46	6♋23	1°34	7°23	21°24	7°23	0°19	1°35	16°27	21°36	6° 4	4°53	11°50	n.a.	W28
T 29	22 7 29	29°50'51	18°11	0°26	8°38	22° 3	7°21	0°24	1°34	16°27	21°34	6° 6	4°49	11°57	n.a.	T 29
F 30	22 11 25	0♍49'59	0♌ 4	29♌19	9°53	22°42	7°19	0°30	1°33	16°27	21°33	6°R 7	4°46	12° 4	n.a.	F 30
S 31	22 15 22	1♍49'09	12♌ 4	28♌14	11♍ 8	23♌21	7♑17	0♋35	1♉32	16♉27	21♒32	6♒ 7	4♒43	12♋10	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	19n51	25n44	2n22	10n14	1s40	20n51	1n19	20n38	1n10	24s14	0s50	23n22	0s21	11n47	0s26	15n16	1s44	29s14	15s54	18s58	18s56	25n49		n.a.	
F 2	19 38	23 19	1 20	9 43	1 50	20 33	1 20	20 29	1 10	24 14	0 50	23 23	0 21	11 47	0 26	15 16	1 44	29 15	15 54	18 58	18 57	25 48		n.a.	
S 3	19 24	19 53	0 15	9 13	1 59	20 15	1 21	20 19	1 10	24 15	0 50	23 23	0 21	11 48	0 26	15 17	1 44	29 15	15 54	18 59	18 58	25 47		n.a.	
S 4	19 10	15 37	0s51	8 44	2 9	19 57	1 21	20 9	1 10	24 15	0 50	23 23	0 21	11 48	0 26	15 17	1 44	29 16	15 54	18 59	18 59	25 45		n.a.	
M 5	18 55	10 41	1 56	8 16	2 18	19 38	1 22	20 0	1 9	24 16	0 50	23 23	0 21	11 48	0 26	15 17	1 44	29 16	15 54	18 59	18 59	25 44		n.a.	
T 6	18 40	5 17	2 56	7 49	2 28	19 18	1 23	19 50	1 9	24 16	0 50	23 23	0 21	11 48	0 26	15 17	1 44	29 17	15 54	18 59	19 0	25 43		n.a.	
W 7	18 25	0s23	3 49	7 23	2 37	18 58	1 23	19 40	1 9	24 17	0 50	23 23	0 21	11 48	0 26	15 17	1 44	29 17	15 54	18 59	19 1	25 42		n.a.	
T 8	18 9	6 8	4 32	6 58	2 46	18 37	1 24	19 29	1 9	24 17	0 50	23 24	0 21	11 48	0 26	15 17	1 44	29 18	15 55	18 59	19 2	25 40		n.a.	
F 9	17 54	11 45	5 2	6 35	2 55	18 16	1 24	19 19	1 9	24 18	0 50	23 24	0 21	11 48	0 26	15 17	1 44	29 18	15 55	18 59	19 3	25 39		n.a.	
S 10	17 37	16 58	5 16	6 13	3 4	17 54	1 24	19 8	1 9	24 18	0 50	23 24	0 20	11 48	0 26	15 17	1 44	29 19	15 55	18 59	19 3	25 38		n.a.	
S 11	17 21	21 28	5 14	5 54	3 12	17 32	1 24	18 58	1 9	24 18	0 50	23 24	0 20	11 48	0 26	15 18	1 44	29 19	15 55	18 59	19 4	25 36		n.a.	
M12	17 4	24 54	4 53	5 36	3 20	17 9	1 25	18 47	1 9	24 19	0 50	23 24	0 20	11 48	0 26	15 18	1 44	29 20	15 55	18 59	19 5	25 35		n.a.	
T 13	16 47	26 51	4 14	5 21	3 27	16 46	1 25	18 36	1 9	24 19	0 50	23 24	0 20	11 48	0 26	15 18	1 44	29 20	15 55	18 59	19 6	25 34		n.a.	
W14	16 30	27 2	3 18	5 8	3 34	16 22	1 25	18 25	1 9	24 19	0 50	23 24	0 20	11 48	0 26	15 18	1 44	29 21	15 55	18 58	19 6	25 32		n.a.	
T 15	16 12	25 17	2 8	4 57	3 41	15 58	1 25	18 14	1 9	24 20	0 50	23 24	0 20	11 48	0 26	15 18	1 44	29 21	15 55	18 58	19 7	25 31		n.a.	
F 16	15 55	21 46	0 49	4 50	3 46	15 33	1 25	18 3	1 9	24 20	0 50	23 25	0 20	11 48	0 26	15 18	1 44	29 22	15 55	18 58	19 8	25 30		n.a.	
S 17	15 37	16 48	0n34	4 46	3 51	15 8	1 24	17 51	1 9	24 20	0 50	23 25	0 20	11 48	0 26	15 18	1 44	29 22	15 55	18 58	19 9	25 28		n.a.	
S 18	15 18	10 53	1 53	4 45	3 55	14 42	1 24	17 39	1 9	24 21	0 50	23 25	0 20	11 48	0 26	15 18	1 44	29 23	15 55	18 58	19 10	25 27		n.a.	
M19	15 0	4 28	3 4	4 48	3 57	14 17	1 24	17 28	1 8	24 21	0 50	23 25	0 20	11 48	0 26	15 18	1 45	29 23	15 55	18 59	19 10	25 26		n.a.	
T 20	14 41	2n 0	4 1	4 54	3 58	13 50	1 24	17 16	1 8	24 21	0 50	23 25	0 20	11 48	0 26	15 18	1 45	29 24	15 55	18 59	19 11	25 24		n.a.	
W21	14 22	8 10	4 43	5 5	3 58	13 24	1 23	17 4	1 8	24 21	0 50	23 25	0 20	11 48	0 26	15 18	1 45	29 24	15 55	19 0	19 12	25 23		n.a.	
T 22	14 2	13 46	5 8	5 19	3 57	12 57	1 23	16 52	1 8	24 21	0 50	23 25	0 20	11 47	0 26	15 18	1 45	29 24	15 55	19 0	19 13	25 22		n.a.	
F 23	13 43	18 36	5 16	5 38	3 53	12 29	1 22	16 40	1 8	24 22	0 50	23 25	0 20	11 47	0 26	15 18	1 45	29 25	15 55	19 0	19 14	25 20		n.a.	
S 24	13 23	22 28	5 9	6 1	3 48	12 1	1 22	16 27	1 8	24 22	0 50	23 25	0 20	11 47	0 26	15 18	1 45	29 25	15 55	19 1	19 14	25 19		n.a.	
S 25	13 3	25 14	4 47	6 28	3 41	11 33	1 21	16 15	1 8	24 22	0 50	23 25	0 19	11 47	0 26	15 18	1 45	29 26	15 55	19 1	19 15	25 17		n.a.	
M26	12 42	26 48	4 14	6 58	3 32	11 5	1 20	16 2	1 8	24 22	0 50	23 25	0 19	11 47	0 26	15 18	1 45	29 26	15 55	19 1	19 16	25 16		n.a.	
T 27	12 22	27 7	3 30	7 32	3 21	10 36	1 19	15 50	1 8	24 22	0 50	23 25	0 19	11 46	0 26	15 18	1 45	29 27	15 55	19 0	19 17	25 15		n.a.	
W28	12 1	26 12	2 37	8 8	3 8	10 7	1 19	15 37	1 8	24 22	0 50	23 26	0 19	11 46	0 26	15 18	1 45	29 27	15 55	19 0	19 17	25 13		n.a.	
T 29	11 40	24 6	1 37	8 46	2 53	9 38	1 18	15 24	1 7	24 23	0 50	23 26	0 19	11 46	0 26	15 18	1 45	29 27	15 55	18 59	19 18	25 12		n.a.	
F 30	11 19	20 56	0 33	9 25	2 36	9 9	1 17	15 11	1 7	24 23	0 50	23 26	0 19	11 45	0 26	15 17	1 45	29 28	15 55	18 59	19 19	25 10		n.a.	
S 31	10n58	16n52	0s33	10n 5	2s18	8n39	1n16	14n58	1n 7	24s23	0s50	23n26	0s19	11n45	0s26	15n17	1s45	29s28	15s55	18s59	19s20	25n 9		n.a.	

Julian Day Number = 1571152.5, Delta T = 04h17m36s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'14, Lahiri = - 9°38'14 Julian Calendar 1 Aug. 412 BCE == Greg. Calendar 27 July 412 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

SEPTEMBER 412 BCE (-411) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 19 18	2♍48'21	24♌13	27°R13	12♍22	24♌ 0	7°R15	0♋40	1°R31	16°R26	21°R31	6°R 5	4♒40	12♋17	n.a.	S 1
M 2	22 23 15	3°47'35	6♍34	26♌18	13°37	24°39	7♏14	0°45	1♉30	16♉26	21♒30	6♒ 3	4°37	12°24	n.a.	M 2
T 3	22 27 11	4°46'52	19° 8	25°30	14°52	25°18	7°13	0°49	1°29	16°26	21°28	5°59	4°34	12°30	n.a.	T 3
W 4	22 31 8	5°46'10	1♎56	24°51	16° 7	25°57	7°12	0°54	1°28	16°26	21°27	5°54	4°30	12°37	n.a.	W 4
T 5	22 35 5	6°45'31	14°56	24°21	17°22	26°36	7°11	0°59	1°27	16°25	21°26	5°49	4°27	12°44	n.a.	T 5
F 6	22 39 1	7°44'53	28°10	24° 2	18°37	27°15	7°11	1° 3	1°26	16°25	21°25	5°44	4°24	12°50	n.a.	F 6
S 7	22 42 58	8°44'18	11♏37	23°D53	19°52	27°55	7°10	1° 8	1°25	16°25	21°24	5°40	4°21	12°57	n.a.	S 7
S 8	22 46 54	9°43'44	25°17	23°55	21° 7	28°34	7°D10	1°12	1°24	16°24	21°23	5°38	4°18	13° 4	n.a.	S 8
M 9	22 50 51	10°43'13	9♐10	24° 8	22°22	29°13	7°10	1°16	1°22	16°24	21°21	5°D37	4°14	13°10	n.a.	M 9
T 10	22 54 47	11°42'43	23°14	24°31	23°37	29°52	7°10	1°21	1°21	16°23	21°20	5°37	4°11	13°17	n.a.	T 10
W11	22 58 44	12°42'15	7♑30	25° 4	24°52	0♍32	7°11	1°25	1°19	16°23	21°19	5°39	4° 8	13°24	n.a.	W11
T 12	23 2 40	13°41'49	21°54	25°46	26° 7	1°11	7°11	1°29	1°18	16°22	21°18	5°40	4° 5	13°30	n.a.	T 12
F 13	23 6 37	14°41'25	6♒25	26°36	27°22	1°50	7°12	1°33	1°17	16°21	21°17	5°R41	4° 2	13°37	n.a.	F 13
S 14	23 10 34	15°41'02	20°57	27°34	28°37	2°30	7°13	1°37	1°15	16°21	21°16	5°40	3°59	13°44	n.a.	S 14
S 15	23 14 30	16°40'42	5♓25	28°39	29°52	3° 9	7°15	1°40	1°13	16°20	21°15	5°37	3°55	13°50	n.a.	S 15
M16	23 18 27	17°40'23	19°44	29°50	1♎ 7	3°48	7°16	1°44	1°12	16°19	21°14	5°32	3°52	13°57	n.a.	M16
T 17	23 22 23	18°40'07	3♈47	1♍ 6	2°21	4°28	7°18	1°48	1°10	16°19	21°13	5°25	3°49	14° 4	n.a.	T 17
W18	23 26 20	19°39'53	17°30	2°26	3°36	5° 7	7°20	1°51	1° 9	16°18	21°12	5°18	3°46	14°10	n.a.	W18
T 19	23 30 16	20°39'41	0♉51	3°51	4°51	5°47	7°22	1°55	1° 7	16°17	21°11	5°10	3°43	14°17	n.a.	T 19
F 20	23 34 13	21°39'31	13°49	5°18	6° 6	6°26	7°24	1°58	1° 5	16°16	21°10	5° 3	3°40	14°23	n.a.	F 20
S 21	23 38 9	22°39'24	26°25	6°49	7°21	7° 6	7°26	2° 1	1° 3	16°16	21° 8	4°58	3°36	14°30	n.a.	S 21
S 22	23 42 6	23°39'19	8♊42	8°22	8°36	7°45	7°29	2° 4	1° 1	16°15	21° 7	4°55	3°33	14°37	n.a.	S 22
M23	23 46 2	24°39'16	20°44	9°56	9°51	8°25	7°32	2° 7	1° 0	16°14	21° 7	4°D53	3°30	14°43	n.a.	M23
T 24	23 49 59	25°39'16	2♋37	11°32	11° 6	9° 4	7°35	2°10	0°58	16°13	21° 6	4°53	3°27	14°50	n.a.	T 24
W25	23 53 56	26°39'18	14°25	13° 9	12°21	9°44	7°38	2°13	0°56	16°12	21° 5	4°54	3°24	14°57	n.a.	W25
T 26	23 57 52	27°39'22	26°15	14°47	13°36	10°24	7°41	2°15	0°54	16°11	21° 4	4°56	3°20	15° 3	n.a.	T 26
F 27	0 1 49	28°39'29	8♌10	16°26	14°51	11° 3	7°45	2°18	0°52	16°10	21° 3	4°R56	3°17	15°10	n.a.	F 27
S 28	0 5 45	29°39'37	20°15	18° 5	16° 6	11°43	7°49	2°20	0°50	16° 9	21° 2	4°55	3°14	15°17	n.a.	S 28
S 29	0 9 42	0♎39'48	2♍34	19°44	17°21	12°23	7°53	2°23	0°48	16° 8	21° 1	4°51	3°11	15°23	n.a.	S 29
M30	0 13 38	1♎40'01	15♍10	21♍24	18♎36	13♍ 3	7♏57	2♋25	0♉46	16♉ 7	21♒ 0	4♒45	3♒ 8	15♋30	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n36	12n 5	1s38	10n44	1s59	8n 9	1n15	14n45	1n 7	24s23	0s50	23n26	0s19	11n45	0s26	15n17	1s45	29s29	15s55	18s59	19s21	25n 8		n.a.
M 2	10 15	6 45	2 39	11 21	1 40	7 39	1 13	14 31	1 7	24 23	0 50	23 26	0 19	11 44	0 26	15 17	1 45	29 29	15 55	19 0	19 21	25 6		n.a.
T 3	9 53	1 4	3 34	11 56	1 19	7 8	1 12	14 18	1 7	24 23	0 50	23 26	0 19	11 44	0 26	15 17	1 45	29 29	15 55	19 1	19 22	25 5		n.a.
W 4	9 31	4s44	4 19	12 29	0 59	6 38	1 11	14 4	1 7	24 23	0 50	23 26	0 19	11 44	0 26	15 17	1 45	29 30	15 55	19 2	19 23	25 3		n.a.
T 5	9 9	10 26	4 52	12 57	0 40	6 7	1 10	13 51	1 6	24 23	0 50	23 26	0 19	11 43	0 26	15 17	1 45	29 30	15 55	19 4	19 24	25 2		n.a.
F 6	8 46	15 46	5 9	13 22	0 20	5 36	1 8	13 37	1 6	24 23	0 50	23 26	0 19	11 43	0 26	15 17	1 45	29 30	15 55	19 5	19 24	25 0		n.a.
S 7	8 24	20 25	5 10	13 42	0 2	5 5	1 7	13 23	1 6	24 23	0 50	23 26	0 19	11 42	0 26	15 16	1 46	29 31	15 55	19 6	19 25	24 59		n.a.
S 8	8 1	24 5	4 54	13 58	0n15	4 34	1 5	13 9	1 6	24 23	0 50	23 26	0 19	11 42	0 26	15 16	1 46	29 31	15 55	19 6	19 26	24 57		n.a.
M 9	7 38	26 24	4 20	14 8	0 31	4 2	1 4	12 55	1 6	24 23	0 50	23 26	0 18	11 41	0 26	15 16	1 46	29 31	15 54	19 7	19 27	24 56		n.a.
T 10	7 16	27 5	3 31	14 15	0 46	3 31	1 2	12 41	1 6	24 23	0 50	23 26	0 18	11 41	0 26	15 16	1 46	29 31	15 54	19 6	19 27	24 54		n.a.
W11	6 53	25 59	2 28	14 16	1 0	2 59	1 0	12 27	1 6	24 23	0 50	23 26	0 18	11 40	0 26	15 16	1 46	29 32	15 54	19 6	19 28	24 53		n.a.
T 12	6 29	23 10	1 14	14 13	1 12	2 28	0 59	12 13	1 5	24 23	0 50	23 26	0 18	11 40	0 26	15 15	1 46	29 32	15 54	19 6	19 29	24 51		n.a.
F 13	6 6	18 51	0n 4	14 5	1 22	1 56	0 57	11 58	1 5	24 23	0 50	23 26	0 18	11 39	0 26	15 15	1 46	29 32	15 54	19 6	19 30	24 50		n.a.
S 14	5 43	13 24	1 22	13 54	1 31	1 24	0 55	11 44	1 5	24 23	0 50	23 26	0 18	11 39	0 26	15 15	1 46	29 33	15 54	19 6	19 30	24 48		n.a.
S 15	5 19	7 15	2 34	13 38	1 39	0 52	0 53	11 29	1 5	24 22	0 50	23 26	0 18	11 38	0 26	15 15	1 46	29 33	15 54	19 7	19 31	24 47		n.a.
M16	4 56	0 49	3 36	13 19	1 46	0 20	0 51	11 15	1 5	24 22	0 50	23 26	0 18	11 38	0 26	15 15	1 46	29 33	15 54	19 8	19 32	24 45		n.a.
T 17	4 32	5n32	4 23	12 57	1 51	0s12	0 49	11 0	1 4	24 22	0 50	23 26	0 18	11 37	0 26	15 14	1 46	29 33	15 53	19 9	19 33	24 44		n.a.
W18	4 9	11 28	4 54	12 31	1 55	0 44	0 48	10 45	1 4	24 22	0 50	23 26	0 18	11 37	0 26	15 14	1 46	29 33	15 53	19 11	19 34	24 42		n.a.
T 19	3 45	16 42	5 8	12 3	1 58	1 16	0 45	10 30	1 4	24 22	0 50	23 26	0 18	11 36	0 26	15 14	1 46	29 34	15 53	19 13	19 34	24 41		n.a.
F 20	3 21	21 2	5 5	11 33	2 0	1 47	0 43	10 15	1 4	24 22	0 50	23 26	0 18	11 35	0 26	15 13	1 46	29 34	15 53	19 15	19 35	24 39		n.a.
S 21	2 57	24 15	4 47	11 0	2 1	2 19	0 41	10 0	1 4	24 22	0 50	23 26	0 18	11 35	0 26	15 13	1 46	29 34	15 53	19 16	19 36	24 37		n.a.
S 22	2 33	26 16	4 17	10 25	2 2	2 51	0 39	9 45	1 4	24 21	0 49	23 26	0 18	11 34	0 26	15 13	1 46	29 34	15 53	19 17	19 37	24 36		n.a.
M23	2 9	27 0	3 35	9 48	2 1	3 23	0 37	9 30	1 3	24 21	0 49	23 26	0 18	11 33	0 26	15 13	1 46	29 34	15 52	19 17	19 37	24 34		n.a.
T 24	1 45	26 28	2 45	9 10	2 0	3 55	0 35	9 15	1 3	24 21	0 49	23 26	0 17	11 33	0 26	15 12	1 46	29 35	15 52	19 17	19 38	24 33		n.a.
W25	1 21	24 45	1 48	8 31	1 58	4 27	0 33	8 59	1 3	24 21	0 49	23 26	0 17	11 32	0 26	15 12	1 46	29 35	15 52	19 17	19 39	24 31		n.a.
T 26	0 57	21 56	0 47	7 51	1 56	4 58	0 30	8 44	1 3	24 20	0 49	23 26	0 17	11 31	0 26	15 12	1 46	29 35	15 52	19 17	19 40	24 30		n.a.
F 27	0 32	18 11	0s17	7 9	1 53	5 30	0 28	8 28	1 2	24 20	0 49	23 26	0 17	11 31	0 26	15 11	1 46	29 35	15 52	19 17	19 40	24 28		n.a.
S 28	0 8	13 38	1 21	6 27	1 49	6 1	0 26	8 13	1 2	24 20	0 49	23 26	0 17	11 30	0 26	15 11	1 46	29 35	15 51	19 17	19 41	24 26		n.a.
S 29	0s16	8 28	2 23	5 44	1 46	6 32	0 23	7 57	1 2	24 20	0 49	23 26	0 17	11 29	0 26	15 11	1 47	29 35	15 51	19 18	19 42	24 25		n.a.
M30	0s40	2n52	3s18	5n 0	1n41	7s 3	0n21	7n42	1n 2	24s19	0s49	23n26	0s17	11n28	0s26	15n10	1s47	29s35	15s51	19s19	19s43	24n23		n.a.

Julian Day Number = 1571183.5, Delta T = 04h17m35s
Ecliptic obliquity = 23°44'48, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'10, Lahiri = - 9°38'09 Julian Calendar 1 Sept. 412 BCE == Greg. Calendar 27 Aug. 412 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

OCTOBER 412 BCE (-411) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 17 35	2♎40'15	28♍ 3	23♍ 3	19♎51	13♍42	8♑ 1	2♋27	0°R44	16°R 6	20°R59	4°R36	3♒ 5	15♋37	n.a.	T 1
W 2	0 21 31	3°40'32	11♎13	24°43	21° 5	14°22	8° 5	2°29	0♉41	16♉ 4	20♒58	4♒26	3° 1	15°43	n.a.	W 2
T 3	0 25 28	4°40'50	24°39	26°22	22°20	15° 2	8°10	2°31	0°39	16° 3	20°57	4°15	2°58	15°50	n.a.	T 3
F 4	0 29 24	5°41'10	8♏18	28° 1	23°35	15°42	8°15	2°33	0°37	16° 2	20°57	4° 5	2°55	15°57	n.a.	F 4
S 5	0 33 21	6°41'32	22° 7	29°40	24°50	16°22	8°20	2°35	0°35	16° 1	20°56	3°56	2°52	16° 3	n.a.	S 5
S 6	0 37 18	7°41'56	6♐ 3	1♎19	26° 5	17° 2	8°25	2°36	0°32	16° 0	20°55	3°50	2°49	16°10	n.a.	S 6
M 7	0 41 14	8°42'21	20° 4	2°58	27°20	17°42	8°31	2°38	0°30	15°58	20°54	3°46	2°45	16°17	n.a.	M 7
T 8	0 45 11	9°42'48	4♑ 7	4°36	28°35	18°22	8°36	2°39	0°28	15°57	20°54	3°D44	2°42	16°23	n.a.	T 8
W 9	0 49 7	10°43'16	18°13	6°14	29°50	19° 2	8°42	2°40	0°26	15°56	20°53	3°44	2°39	16°30	n.a.	W 9
T 10	0 53 4	11°43'46	2♒20	7°51	1♏ 5	19°42	8°48	2°42	0°23	15°54	20°52	3°R45	2°36	16°37	n.a.	T 10
F 11	0 57 0	12°44'17	16°27	9°28	2°19	20°22	8°54	2°43	0°21	15°53	20°51	3°44	2°33	16°43	n.a.	F 11
S 12	1 0 57	13°44'49	0♓32	11° 5	3°34	21° 2	9° 0	2°44	0°19	15°52	20°51	3°42	2°30	16°50	n.a.	S 12
S 13	1 4 53	14°45'23	14°33	12°42	4°49	21°42	9° 7	2°44	0°16	15°50	20°50	3°36	2°26	16°56	n.a.	S 13
M14	1 8 50	15°45'58	28°27	14°18	6° 4	22°22	9°13	2°45	0°14	15°49	20°50	3°28	2°23	17° 3	n.a.	M14
T 15	1 12 47	16°46'35	12♈10	15°54	7°19	23° 2	9°20	2°46	0°11	15°47	20°49	3°17	2°20	17°10	n.a.	T 15
W16	1 16 43	17°47'13	25°38	17°30	8°34	23°42	9°27	2°46	0° 9	15°46	20°48	3° 4	2°17	17°16	n.a.	W16
T 17	1 20 40	18°47'53	8♉49	19° 5	9°48	24°22	9°34	2°47	0° 6	15°44	20°48	2°52	2°14	17°23	n.a.	T 17
F 18	1 24 36	19°48'34	21°41	20°40	11° 3	25° 3	9°41	2°47	0° 4	15°43	20°47	2°40	2°11	17°30	n.a.	F 18
S 19	1 28 33	20°49'18	4♊14	22°15	12°18	25°43	9°49	2°47	0° 1	15°41	20°47	2°30	2° 7	17°36	n.a.	S 19
S 20	1 32 29	21°50'03	16°30	23°50	13°33	26°23	9°56	2°R47	29♈59	15°40	20°46	2°22	2° 4	17°43	n.a.	S 20
M21	1 36 26	22°50'49	28°32	25°25	14°47	27° 4	10° 4	2°47	29°56	15°38	20°46	2°17	2° 1	17°50	n.a.	M21
T 22	1 40 22	23°51'38	10♋25	26°59	16° 2	27°44	10°12	2°47	29°54	15°37	20°45	2°15	1°58	17°56	n.a.	T 22
W23	1 44 19	24°52'28	22°13	28°33	17°17	28°24	10°20	2°46	29°51	15°35	20°45	2°D14	1°55	18° 3	n.a.	W23
T 24	1 48 16	25°53'19	4♌ 1	0♏ 7	18°32	29° 5	10°28	2°46	29°49	15°34	20°44	2°R14	1°51	18°10	n.a.	T 24
F 25	1 52 12	26°54'12	15°56	1°41	19°46	29°45	10°36	2°45	29°46	15°32	20°44	2°14	1°48	18°16	n.a.	F 25
S 26	1 56 9	27°55'07	28° 4	3°15	21° 1	0♎26	10°44	2°45	29°44	15°31	20°44	2°12	1°45	18°23	n.a.	S 26
S 27	2 0 5	28°56'03	10♍27	4°49	22°16	1° 6	10°53	2°44	29°41	15°29	20°43	2° 7	1°42	18°30	n.a.	S 27
M28	2 4 2	29°57'00	23°12	6°22	23°31	1°47	11° 2	2°43	29°39	15°27	20°43	2° 0	1°39	18°36	n.a.	M28
T 29	2 7 58	0♏57'59	6♎18	7°56	24°45	2°27	11°11	2°42	29°36	15°26	20°43	1°49	1°36	18°43	n.a.	T 29
W30	2 11 55	1°58'59	19°47	9°29	26° 0	3° 8	11°20	2°41	29°34	15°24	20°42	1°37	1°32	18°50	n.a.	W30
T 31	2 15 51	3♏ 0'01	3♏37	11♏ 2	27♏15	3♎48	11♑29	2♋40	29♈31	15♉22	20♒42	1♒24	1♒29	18♋56	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	1s 5	2s57	4s 5	4n16	1n37	7s34	0n18	7n26	1n 2	24s19	0s49	23n26	0s17	11n28	0s26	15n10	1s47	29s35	15s51	19s21	19s43	24n21			n.a.
W 2	1 29	8 46	4 40	3 32	1 32	8 5	0 16	7 10	1 1	24 19	0 49	23 26	0 17	11 27	0 26	15 10	1 47	29 36	15 51	19 24	19 44	24 20			n.a.
T 3	1 53	14 18	5 0	2 47	1 27	8 36	0 13	6 54	1 1	24 18	0 49	23 26	0 17	11 26	0 26	15 9	1 47	29 36	15 50	19 26	19 45	24 18			n.a.
F 4	2 17	19 13	5 3	2 2	1 22	9 6	0 11	6 39	1 1	24 18	0 49	23 26	0 17	11 25	0 26	15 9	1 47	29 36	15 50	19 29	19 45	24 17			n.a.
S 5	2 41	23 10	4 49	1 18	1 16	9 36	0 8	6 23	1 1	24 18	0 49	23 27	0 17	11 25	0 26	15 8	1 47	29 36	15 50	19 31	19 46	24 15			n.a.
S 6	3 6	25 49	4 18	0 32	1 10	10 6	0 6	6 7	1 0	24 17	0 49	23 27	0 17	11 24	0 26	15 8	1 47	29 36	15 50	19 33	19 47	24 13			n.a.
M 7	3 30	26 52	3 31	0s13	1 4	10 36	0 3	5 51	1 0	24 17	0 49	23 27	0 17	11 23	0 26	15 8	1 47	29 36	15 49	19 34	19 48	24 12			n.a.
T 8	3 54	26 12	2 31	0 58	0 58	11 6	0 1	5 35	1 0	24 16	0 49	23 27	0 17	11 22	0 26	15 7	1 47	29 36	15 49	19 34	19 48	24 10			n.a.
W 9	4 18	23 50	1 22	1 42	0 52	11 35	0s 2	5 19	1 0	24 16	0 49	23 27	0 16	11 21	0 26	15 7	1 47	29 36	15 49	19 34	19 49	24 8			n.a.
T 10	4 42	20 1	0 8	2 27	0 46	12 4	0 4	5 2	0 59	24 16	0 49	23 27	0 16	11 21	0 26	15 6	1 47	29 36	15 49	19 34	19 50	24 7			n.a.
F 11	5 6	15 3	1n 7	3 12	0 39	12 32	0 7	4 46	0 59	24 15	0 49	23 27	0 16	11 20	0 26	15 6	1 47	29 36	15 48	19 34	19 51	24 5			n.a.
S 12	5 29	9 17	2 17	3 56	0 33	13 1	0 9	4 30	0 59	24 15	0 49	23 27	0 16	11 19	0 26	15 6	1 47	29 36	15 48	19 35	19 51	24 3			n.a.
S 13	5 53	3 7	3 19	4 40	0 27	13 29	0 12	4 14	0 59	24 14	0 49	23 27	0 16	11 18	0 26	15 5	1 47	29 36	15 48	19 36	19 52	24 1			n.a.
M14	6 17	3n 9	4 7	5 24	0 20	13 57	0 15	3 57	0 58	24 14	0 49	23 27	0 16	11 17	0 26	15 5	1 47	29 36	15 47	19 38	19 53	24 0			n.a.
T 15	6 40	9 10	4 41	6 8	0 13	14 24	0 17	3 41	0 58	24 13	0 49	23 27	0 16	11 16	0 26	15 4	1 47	29 36	15 47	19 40	19 54	23 58			n.a.
W16	7 4	14 39	4 59	6 51	0 7	14 51	0 20	3 25	0 58	24 13	0 48	23 27	0 16	11 15	0 26	15 4	1 47	29 36	15 47	19 43	19 54	23 56			n.a.
T 17	7 27	19 20	4 59	7 34	0 0	15 18	0 22	3 8	0 57	24 12	0 48	23 27	0 16	11 15	0 26	15 3	1 47	29 35	15 47	19 46	19 55	23 55			n.a.
F 18	7 51	23 0	4 45	8 16	0s 6	15 44	0 25	2 52	0 57	24 12	0 48	23 27	0 16	11 14	0 26	15 3	1 47	29 35	15 46	19 49	19 56	23 53			n.a.
S 19	8 14	25 28	4 17	8 58	0 13	16 10	0 28	2 35	0 57	24 11	0 48	23 27	0 16	11 13	0 26	15 2	1 47	29 35	15 46	19 51	19 56	23 51			n.a.
S 20	8 37	26 39	3 37	9 40	0 19	16 35	0 30	2 19	0 57	24 10	0 48	23 27	0 16	11 12	0 26	15 2	1 47	29 35	15 46	19 53	19 57	23 49			n.a.
M21	9 0	26 33	2 48	10 21	0 26	17 0	0 33	2 2	0 56	24 10	0 48	23 27	0 16	11 11	0 26	15 2	1 47	29 35	15 45	19 54	19 58	23 48			n.a.
T 22	9 22	25 13	1 53	11 2	0 32	17 25	0 35	1 46	0 56	24 9	0 48	23 28	0 16	11 10	0 26	15 1	1 47	29 35	15 45	19 55	19 59	23 46			n.a.
W23	9 45	22 46	0 53	11 42	0 38	17 49	0 38	1 29	0 56	24 8	0 48	23 28	0 15	11 9	0 26	15 1	1 47	29 35	15 45	19 55	19 59	23 44			n.a.
T 24	10 8	19 21	0s 9	12 21	0 45	18 12	0 40	1 13	0 55	24 8	0 48	23 28	0 15	11 8	0 26	15 0	1 47	29 35	15 44	19 55	20 0	23 42			n.a.
F 25	10 30	15 7	1 12	13 0	0 51	18 35	0 43	0 56	0 55	24 7	0 48	23 28	0 15	11 7	0 26	15 0	1 47	29 34	15 44	19 55	20 1	23 41			n.a.
S 26	10 52	10 14	2 12	13 39	0 57	18 58	0 45	0 40	0 55	24 6	0 48	23 28	0 15	11 7	0 26	14 59	1 47	29 34	15 44	19 55	20 1	23 39			n.a.
S 27	11 14	4 51	3 7	14 16	1 3	19 20	0 48	0 23	0 54	24 6	0 48	23 28	0 15	11 6	0 26	14 59	1 47	29 34	15 44	19 56	20 2	23 37			n.a.
M28	11 36	0s51	3 55	14 54	1 9	19 42	0 50	0 6	0 54	24 5	0 48	23 28	0 15	11 5	0 26	14 58	1 47	29 34	15 43	19 58	20 3	23 35			n.a.
T 29	11 58	6 41	4 31	15 30	1 14	20 3	0 53	0s10	0 54	24 4	0 48	23 28	0 15	11 4	0 26	14 58	1 47	29 34	15 43	20 0	20 4	23 34			n.a.
W30	12 19	12 21	4 54	16 6	1 20	20 23	0 55	0 27	0 53	24 3	0 48	23 28	0 15	11 3	0 26	14 57	1 47	29 34	15 43	20 3	20 4	23 32			n.a.
T 31	12s40	17s34	5s 0	16s41	1s25	20s43	0s57	0s43	0n53	24s 2	0s48	23n28	0s15	11n 2	0s26	14n57	1s47	29s33	15s42	20s 6	20s 5	23n30			n.a.

Julian Day Number = 1571213.5, Delta T = 04h17m34s
Ecliptic obliquity = 23°44'48, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'06, Lahiri = - 9°38'05 Julian Calendar 1 Oct. 412 BCE == Greg. Calendar 26 Sept. 412 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

NOVEMBER 412 BCE (-411) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 19 48	4♏ 1'03	17♏43	12♏36	28♏29	4♎29	11♑38	2°R39	29°R29	15°R21	20°R42	1°R11	1♒26	19♋ 3	n.a.	F 1
S 2	2 23 45	5° 2'07	2♐ 0	14° 9	29°44	5°10	11°47	2♋37	29♈26	15♉19	20♒42	1♒ 0	1°23	19° 9	n.a.	S 2
S 3	2 27 41	6° 3'11	16°22	15°42	0♐59	5°50	11°57	2°36	29°24	15°17	20°42	0°52	1°20	19°16	n.a.	S 3
M 4	2 31 38	7° 4'17	0♑44	17°15	2°13	6°31	12° 6	2°34	29°21	15°16	20°42	0°47	1°17	19°23	n.a.	M 4
T 5	2 35 34	8° 5'23	15° 1	18°48	3°28	7°12	12°16	2°32	29°19	15°14	20°41	0°44	1°13	19°29	n.a.	T 5
W 6	2 39 31	9° 6'29	29°12	20°21	4°42	7°53	12°26	2°30	29°16	15°12	20°41	0°D44	1°10	19°36	n.a.	W 6
T 7	2 43 27	10° 7'36	13♒15	21°54	5°57	8°33	12°36	2°28	29°14	15°11	20°41	0°R44	1° 7	19°43	n.a.	T 7
F 8	2 47 24	11° 8'44	27° 9	23°26	7°12	9°14	12°46	2°26	29°11	15° 9	20°41	0°43	1° 4	19°49	n.a.	F 8
S 9	2 51 21	12° 9'52	10♓54	24°59	8°26	9°55	12°56	2°24	29° 9	15° 7	20°41	0°40	1° 1	19°56	n.a.	S 9
S 10	2 55 17	13°11'01	24°31	26°31	9°41	10°36	13° 7	2°22	29° 6	15° 6	20°D41	0°35	0°57	20° 3	n.a.	S 10
M11	2 59 14	14°12'10	7♈59	28° 3	10°55	11°17	13°17	2°19	29° 4	15° 4	20°41	0°26	0°54	20° 9	n.a.	M11
T 12	3 3 10	15°13'19	21°17	29°35	12°10	11°58	13°28	2°17	29° 2	15° 2	20°41	0°15	0°51	20°16	n.a.	T 12
W13	3 7 7	16°14'29	4♉22	1♐ 7	13°24	12°39	13°38	2°14	28°59	15° 0	20°41	0° 2	0°48	20°23	n.a.	W13
T 14	3 11 3	17°15'40	17°14	2°37	14°38	13°20	13°49	2°12	28°57	14°59	20°41	29♑49	0°45	20°29	n.a.	T 14
F 15	3 15 0	18°16'51	29°53	4° 8	15°53	14° 1	14° 0	2° 9	28°55	14°57	20°41	29°36	0°42	20°36	n.a.	F 15
S 16	3 18 56	19°18'03	12♊17	5°37	17° 7	14°42	14°11	2° 6	28°52	14°55	20°42	29°26	0°38	20°43	n.a.	S 16
S 17	3 22 53	20°19'16	24°27	7° 6	18°22	15°23	14°22	2° 3	28°50	14°54	20°42	29°18	0°35	20°49	n.a.	S 17
M18	3 26 50	21°20'29	6♋26	8°34	19°36	16° 4	14°33	2° 0	28°48	14°52	20°42	29°12	0°32	20°56	n.a.	M18
T 19	3 30 46	22°21'43	18°17	10° 1	20°50	16°45	14°45	1°57	28°45	14°50	20°42	29°10	0°29	21° 2	n.a.	T 19
W20	3 34 43	23°22'57	0♌ 4	11°26	22° 5	17°26	14°56	1°54	28°43	14°49	20°42	29°D 9	0°26	21° 9	n.a.	W20
T 21	3 38 39	24°24'12	11°51	12°49	23°19	18° 8	15° 8	1°50	28°41	14°47	20°43	29°10	0°22	21°16	n.a.	T 21
F 22	3 42 36	25°25'27	23°45	14°10	24°33	18°49	15°19	1°47	28°39	14°45	20°43	29°R10	0°19	21°22	n.a.	F 22
S 23	3 46 32	26°26'43	5♍51	15°29	25°47	19°30	15°31	1°43	28°37	14°44	20°43	29°10	0°16	21°29	n.a.	S 23
S 24	3 50 29	27°28'00	18°13	16°45	27° 2	20°11	15°43	1°40	28°34	14°42	20°44	29° 7	0°13	21°36	n.a.	S 24
M25	3 54 25	28°29'17	0♎57	17°58	28°16	20°53	15°55	1°36	28°32	14°40	20°44	29° 3	0°10	21°42	n.a.	M25
T 26	3 58 22	29°30'34	14° 7	19° 6	29°30	21°34	16° 7	1°32	28°30	14°39	20°44	28°56	0° 7	21°49	n.a.	T 26
W27	4 2 19	0♐31'51	27°43	20°10	0♑44	22°15	16°19	1°29	28°28	14°37	20°45	28°47	0° 3	21°56	n.a.	W27
T 28	4 6 15	1°33'09	11♏45	21° 9	1°58	22°57	16°31	1°25	28°26	14°35	20°45	28°37	0° 0	22° 2	n.a.	T 28
F 29	4 10 12	2°34'27	26° 9	22° 1	3°12	23°38	16°43	1°21	28°24	14°34	20°46	28°27	29♑57	22° 9	n.a.	F 29
S 30	4 14 8	3♐35'45	10♐50	22♐47	4♑26	24♎20	16♑55	1♋17	28♈22	14♉32	20♒46	28♑19	29♑54	22♋16	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s 1	21s56	4s48	17s15	1s30	21s 3	1s 0	1s 0	0n53	24s 1	0s48	23n28	0s15	11n 1	0s26	14n56	1s47	29s33	15s42	20s 9	20s 6	23n28		n.a.
S 2	13 22	25 2	4 18	17 48	1 35	21 22	1 2	1 17	0 52	24 1	0 48	23 29	0 15	11 0	0 26	14 56	1 47	29 33	15 42	20 11	20 6	23 26		n.a.
S 3	13 43	26 33	3 31	18 21	1 40	21 40	1 4	1 33	0 52	24 0	0 48	23 29	0 15	10 59	0 26	14 55	1 47	29 33	15 41	20 13	20 7	23 25		n.a.
M 4	14 3	26 16	2 31	18 52	1 45	21 57	1 6	1 50	0 51	23 59	0 48	23 29	0 14	10 59	0 26	14 55	1 47	29 32	15 41	20 14	20 8	23 23		n.a.
T 5	14 23	24 15	1 22	19 23	1 49	22 14	1 9	2 7	0 51	23 58	0 48	23 29	0 14	10 58	0 26	14 54	1 47	29 32	15 41	20 15	20 9	23 21		n.a.
W 6	14 43	20 43	0 8	19 52	1 53	22 31	1 11	2 23	0 51	23 57	0 48	23 29	0 14	10 57	0 26	14 54	1 47	29 32	15 40	20 15	20 9	23 19		n.a.
T 7	15 3	16 1	1n 6	20 21	1 57	22 46	1 13	2 40	0 50	23 56	0 48	23 29	0 14	10 56	0 26	14 53	1 47	29 31	15 40	20 15	20 10	23 17		n.a.
F 8	15 22	10 30	2 15	20 49	2 0	23 1	1 15	2 57	0 50	23 55	0 48	23 29	0 14	10 55	0 26	14 53	1 47	29 31	15 40	20 15	20 11	23 15		n.a.
S 9	15 41	4 34	3 15	21 15	2 3	23 16	1 17	3 13	0 50	23 54	0 48	23 29	0 14	10 54	0 26	14 52	1 47	29 31	15 39	20 16	20 11	23 13		n.a.
S 10	16 0	1n32	4 4	21 40	2 6	23 29	1 19	3 30	0 49	23 53	0 48	23 30	0 14	10 53	0 26	14 52	1 47	29 31	15 39	20 17	20 12	23 12		n.a.
M11	16 18	7 28	4 39	22 4	2 9	23 42	1 21	3 46	0 49	23 52	0 48	23 30	0 14	10 52	0 26	14 51	1 47	29 30	15 39	20 19	20 13	23 10		n.a.
T 12	16 37	12 59	4 57	22 27	2 11	23 54	1 23	4 3	0 48	23 51	0 48	23 30	0 14	10 52	0 26	14 51	1 47	29 30	15 38	20 21	20 14	23 8		n.a.
W13	16 55	17 50	5 0	22 48	2 13	24 6	1 25	4 19	0 48	23 50	0 48	23 30	0 14	10 51	0 26	14 50	1 47	29 30	15 38	20 24	20 14	23 6		n.a.
T 14	17 12	21 47	4 47	23 8	2 14	24 17	1 26	4 36	0 47	23 48	0 48	23 30	0 14	10 50	0 26	14 50	1 47	29 29	15 38	20 27	20 15	23 4		n.a.
F 15	17 30	24 37	4 21	23 27	2 15	24 27	1 28	4 52	0 47	23 47	0 48	23 30	0 14	10 49	0 26	14 49	1 47	29 29	15 37	20 30	20 16	23 2		n.a.
S 16	17 47	26 13	3 42	23 44	2 15	24 36	1 30	5 9	0 47	23 46	0 48	23 30	0 13	10 48	0 26	14 49	1 47	29 28	15 37	20 32	20 16	23 0		n.a.
S 17	18 3	26 31	2 54	24 0	2 15	24 45	1 31	5 25	0 46	23 45	0 48	23 30	0 13	10 48	0 26	14 48	1 47	29 28	15 37	20 34	20 17	22 59		n.a.
M18	18 20	25 33	1 58	24 13	2 14	24 53	1 33	5 42	0 46	23 44	0 48	23 31	0 13	10 47	0 26	14 48	1 47	29 28	15 36	20 35	20 18	22 57		n.a.
T 19	18 36	23 26	0 58	24 26	2 13	25 0	1 35	5 58	0 45	23 42	0 48	23 31	0 13	10 46	0 26	14 47	1 47	29 27	15 36	20 35	20 18	22 55		n.a.
W20	18 51	20 19	0s 5	24 36	2 11	25 6	1 36	6 15	0 45	23 41	0 47	23 31	0 13	10 45	0 26	14 47	1 47	29 27	15 35	20 35	20 19	22 53		n.a.
T 21	19 7	16 22	1 7	24 44	2 8	25 12	1 37	6 31	0 44	23 40	0 47	23 31	0 13	10 44	0 26	14 46	1 47	29 27	15 35	20 35	20 20	22 51		n.a.
F 22	19 22	11 46	2 8	24 51	2 4	25 17	1 39	6 47	0 44	23 38	0 47	23 31	0 13	10 44	0 26	14 46	1 47	29 26	15 35	20 35	20 20	22 49		n.a.
S 23	19 36	6 39	3 3	24 56	2 0	25 21	1 40	7 3	0 43	23 37	0 47	23 31	0 13	10 43	0 26	14 45	1 47	29 26	15 34	20 35	20 21	22 47		n.a.
S 24	19 51	1 11	3 51	24 59	1 55	25 24	1 41	7 20	0 43	23 36	0 47	23 31	0 13	10 42	0 26	14 45	1 47	29 25	15 34	20 36	20 22	22 45		n.a.
M25	20 5	4s30	4 30	25 0	1 48	25 26	1 42	7 36	0 43	23 34	0 47	23 32	0 13	10 41	0 26	14 44	1 47	29 25	15 34	20 37	20 23	22 43		n.a.
T 26	20 18	10 9	4 55	24 58	1 41	25 28	1 43	7 52	0 42	23 33	0 47	23 32	0 13	10 41	0 26	14 44	1 47	29 24	15 33	20 38	20 23	22 41		n.a.
W27	20 31	15 31	5 5	24 55	1 33	25 29	1 44	8 8	0 42	23 31	0 47	23 32	0 12	10 40	0 26	14 44	1 47	29 24	15 33	20 40	20 24	22 39		n.a.
T 28	20 44	20 15	4 57	24 50	1 23	25 29	1 45	8 24	0 41	23 30	0 47	23 32	0 12	10 39	0 26	14 43	1 47	29 23	15 33	20 42	20 25	22 37		n.a.
F 29	20 57	23 55	4 31	24 43	1 13	25 28	1 46	8 40	0 41	23 28	0 47	23 32	0 12	10 38	0 26	14 43	1 47	29 23	15 32	20 44	20 25	22 35		n.a.
S 30	21s 9	26s 5	3s46	24s34	1s 1	25s27	1s47	8s56	0n40	23s27	0s47	23n32	0s12	10n38	0s26	14n42	1s47	29s23	15s32	20s46	20s26	22n33		n.a.

Julian Day Number = 1571244.5, Delta T = 04h17m33s
Ecliptic obliquity = 23°44'47, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°45'01, Lahiri = - 9°38'01 Julian Calendar 1 Nov. 412 BCE == Greg. Calendar 27 Oct. 412 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 412 BCE
geocentric

DECEMBER 412 BCE (-411) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 18 5	4♐37'03	25♐38	23♐25	5♑41	25♎ 1	17♑ 8	1°R13	28°R20	14°R31	20♒47	28°R12	29♑51	22♋22	n.a.	S 1
M 2	4 22 1	5°38'21	10♑27	23°54	6°55	25°43	17°20	1♋ 8	28♈19	14♉29	20°47	28♑ 9	29°48	22°29	n.a.	M 2
T 3	4 25 58	6°39'39	25° 9	24°13	8° 9	26°24	17°33	1° 4	28°17	14°27	20°48	28°D 7	29°44	22°36	n.a.	T 3
W 4	4 29 55	7°40'56	9♒38	24°R22	9°22	27° 6	17°45	1° 0	28°15	14°26	20°48	28° 8	29°41	22°42	n.a.	W 4
T 5	4 33 51	8°42'12	23°52	24°19	10°36	27°47	17°58	0°56	28°13	14°24	20°49	28° 9	29°38	22°49	n.a.	T 5
F 6	4 37 48	9°43'28	7♓49	24° 5	11°50	28°29	18°11	0°51	28°11	14°23	20°50	28°R 9	29°35	22°55	n.a.	F 6
S 7	4 41 44	10°44'43	21°29	23°40	13° 4	29°10	18°24	0°47	28°10	14°21	20°50	28° 9	29°32	23° 2	n.a.	S 7
S 8	4 45 41	11°45'57	4♈53	23° 2	14°18	29°52	18°36	0°42	28° 8	14°20	20°51	28° 6	29°28	23° 9	n.a.	S 8
M 9	4 49 37	12°47'11	18° 3	22°13	15°32	0♏34	18°49	0°38	28° 6	14°18	20°52	28° 2	29°25	23°15	n.a.	M 9
T 10	4 53 34	13°48'24	0♉59	21°15	16°45	1°16	19° 2	0°33	28° 5	14°17	20°52	27°55	29°22	23°22	n.a.	T 10
W11	4 57 30	14°49'37	13°43	20° 8	17°59	1°57	19°16	0°28	28° 3	14°15	20°53	27°47	29°19	23°29	n.a.	W11
T 12	5 1 27	15°50'49	26°15	18°54	19°12	2°39	19°29	0°24	28° 2	14°14	20°54	27°39	29°16	23°35	n.a.	T 12
F 13	5 5 24	16°52'00	8♊36	17°37	20°26	3°21	19°42	0°19	28° 0	14°13	20°55	27°31	29°13	23°42	n.a.	F 13
S 14	5 9 20	17°53'11	20°46	16°18	21°40	4° 3	19°55	0°14	27°59	14°11	20°55	27°25	29° 9	23°49	n.a.	S 14
S 15	5 13 17	18°54'21	2♋48	15° 0	22°53	4°44	20° 8	0°10	27°58	14°10	20°56	27°20	29° 6	23°55	n.a.	S 15
M16	5 17 13	19°55'30	14°42	13°45	24° 6	5°26	20°22	0° 5	27°56	14° 9	20°57	27°17	29° 3	24° 2	n.a.	M16
T 17	5 21 10	20°56'39	26°31	12°35	25°20	6° 8	20°35	29♊59	27°55	14° 7	20°58	27°D16	29° 0	24° 9	n.a.	T 17
W18	5 25 6	21°57'48	8♌17	11°33	26°33	6°50	20°49	29°55	27°54	14° 6	20°59	27°17	28°57	24°15	n.a.	W18
T 19	5 29 3	22°58'55	20° 5	10°38	27°46	7°32	21° 2	29°50	27°53	14° 5	21° 0	27°18	28°54	24°22	n.a.	T 19
F 20	5 33 0	24° 0'02	1♍58	9°52	28°59	8°14	21°16	29°45	27°52	14° 4	21° 1	27°20	28°50	24°29	n.a.	F 20
S 21	5 36 56	25° 1'09	14° 2	9°15	0♒13	8°56	21°30	29°40	27°51	14° 2	21° 2	27°22	28°47	24°35	n.a.	S 21
S 22	5 40 53	26° 2'15	26°21	8°48	1°26	9°38	21°43	29°35	27°50	14° 1	21° 3	27°R22	28°44	24°42	n.a.	S 22
M23	5 44 49	27° 3'20	9♎ 1	8°29	2°39	10°20	21°57	29°31	27°49	14° 0	21° 4	27°22	28°41	24°48	n.a.	M23
T 24	5 48 46	28° 4'24	22° 5	8°20	3°52	11° 2	22°11	29°26	27°48	13°59	21° 5	27°20	28°38	24°55	n.a.	T 24
W25	5 52 42	29° 5'28	5♏36	8°D18	5° 4	11°44	22°24	29°21	27°47	13°58	21° 6	27°16	28°34	25° 2	n.a.	W25
T 26	5 56 39	0♑ 6'31	19°36	8°25	6°17	12°27	22°38	29°16	27°46	13°57	21° 7	27°12	28°31	25° 8	n.a.	T 26
F 27	6 0 35	1° 7'33	4♐ 2	8°38	7°30	13° 9	22°52	29°11	27°45	13°56	21° 8	27° 8	28°28	25°15	n.a.	F 27
S 28	6 4 32	2° 8'35	18°50	8°59	8°43	13°51	23° 6	29° 6	27°45	13°55	21° 9	27° 5	28°25	25°22	n.a.	S 28
S 29	6 8 29	3° 9'35	3♑53	9°25	9°55	14°33	23°20	29° 1	27°44	13°54	21°10	27° 2	28°22	25°28	n.a.	S 29
M30	6 12 25	4°10'34	19° 2	9°57	11° 8	15°15	23°34	28°56	27°43	13°53	21°11	27° 1	28°19	25°35	n.a.	M30
T 31	6 16 22	5♑11'32	4♒ 6	10♐34	12♒20	15♏58	23♑48	28♊51	27♈43	13♉52	21♒12	27°D 1	28♑15	25♋42	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
S 1	21 s20	26 s26	2 s45	24 s23	0 s48	25 s25	1 s47	9 s12	0n40	23 s25	0 s47	23n32	0 s12	10n37	0 s26	14n42	1 s47	29 s22	15 s32	20 s47	20 s27	22n31			n.a.
M 2	21 31	24 53	1 34	24 10	0 34	25 22	1 48	9 27	0 39	23 23	0 47	23 33	0 12	10 36	0 26	14 41	1 47	29 22	15 31	20 48	20 27	22 29			n.a.
T 3	21 42	21 38	0 16	23 55	0 18	25 18	1 49	9 43	0 39	23 22	0 47	23 33	0 12	10 36	0 26	14 41	1 47	29 21	15 31	20 48	20 28	22 28			n.a.
W 4	21 52	17 4	1n 2	23 39	0 1	25 13	1 49	9 59	0 38	23 20	0 47	23 33	0 12	10 35	0 26	14 40	1 47	29 21	15 31	20 48	20 29	22 26			n.a.
T 5	22 2	11 38	2 14	23 21	0n16	25 8	1 49	10 14	0 37	23 18	0 47	23 33	0 12	10 35	0 26	14 40	1 47	29 20	15 31	20 48	20 29	22 24			n.a.
F 6	22 12	5 42	3 17	23 2	0 35	25 2	1 50	10 30	0 37	23 17	0 47	23 33	0 12	10 34	0 26	14 40	1 47	29 20	15 30	20 48	20 30	22 22			n.a.
S 7	22 21	0n22	4 8	22 41	0 54	24 55	1 50	10 45	0 36	23 15	0 47	23 33	0 11	10 33	0 26	14 39	1 47	29 19	15 30	20 48	20 31	22 20			n.a.
S 8	22 29	6 18	4 44	22 20	1 14	24 48	1 50	11 1	0 36	23 13	0 47	23 33	0 11	10 33	0 26	14 39	1 47	29 18	15 30	20 48	20 31	22 18			n.a.
M 9	22 37	11 50	5 4	21 57	1 34	24 39	1 50	11 16	0 35	23 11	0 47	23 33	0 11	10 32	0 26	14 38	1 47	29 18	15 29	20 49	20 32	22 16			n.a.
T 10	22 45	16 46	5 8	21 35	1 53	24 30	1 50	11 31	0 35	23 9	0 48	23 34	0 11	10 32	0 26	14 38	1 47	29 17	15 29	20 51	20 33	22 14			n.a.
W11	22 52	20 52	4 57	21 12	2 11	24 20	1 50	11 46	0 34	23 8	0 48	23 34	0 11	10 31	0 26	14 38	1 47	29 17	15 29	20 52	20 33	22 12			n.a.
T 12	22 59	23 57	4 32	20 49	2 28	24 10	1 50	12 1	0 34	23 6	0 48	23 34	0 11	10 31	0 26	14 37	1 47	29 16	15 28	20 54	20 34	22 10			n.a.
F 13	23 5	25 52	3 54	20 27	2 43	23 59	1 50	12 16	0 33	23 4	0 48	23 34	0 11	10 30	0 26	14 37	1 47	29 16	15 28	20 55	20 35	22 7			n.a.
S 14	23 11	26 30	3 5	20 6	2 57	23 47	1 49	12 31	0 32	23 2	0 48	23 34	0 11	10 30	0 25	14 36	1 46	29 15	15 28	20 57	20 35	22 5			n.a.
S 15	23 17	25 52	2 9	19 47	3 8	23 34	1 49	12 46	0 32	23 0	0 48	23 34	0 11	10 29	0 25	14 36	1 46	29 15	15 27	20 58	20 36	22 3			n.a.
M16	23 21	24 3	1 8	19 30	3 16	23 21	1 48	13 1	0 31	22 58	0 48	23 34	0 10	10 29	0 25	14 36	1 46	29 14	15 27	20 58	20 37	22 1			n.a.
T 17	23 26	21 11	0 4	19 15	3 22	23 7	1 48	13 15	0 31	22 56	0 48	23 34	0 10	10 28	0 25	14 35	1 46	29 14	15 27	20 58	20 37	21 59			n.a.
W18	23 30	17 28	1 s 0	19 3	3 26	22 52	1 47	13 30	0 30	22 54	0 48	23 35	0 10	10 28	0 25	14 35	1 46	29 13	15 27	20 58	20 38	21 57			n.a.
T 19	23 33	13 3	2 2	18 54	3 27	22 37	1 46	13 44	0 29	22 52	0 48	23 35	0 10	10 28	0 25	14 35	1 46	29 12	15 26	20 58	20 39	21 55			n.a.
F 20	23 36	8 8	2 59	18 48	3 27	22 21	1 45	13 59	0 29	22 50	0 48	23 35	0 10	10 27	0 25	14 34	1 46	29 12	15 26	20 58	20 39	21 53			n.a.
S 21	23 39	2 51	3 49	18 45	3 24	22 4	1 44	14 13	0 28	22 47	0 48	23 35	0 10	10 27	0 25	14 34	1 46	29 11	15 26	20 57	20 40	21 51			n.a.
S 22	23 41	2 s39	4 29	18 45	3 20	21 47	1 43	14 27	0 27	22 45	0 48	23 35	0 10	10 27	0 25	14 34	1 46	29 11	15 25	20 57	20 41	21 49			n.a.
M23	23 43	8 10	4 58	18 47	3 15	21 29	1 42	14 41	0 27	22 43	0 48	23 35	0 10	10 26	0 25	14 33	1 46	29 10	15 25	20 57	20 41	21 47			n.a.
T 24	23 44	13 31	5 13	18 52	3 9	21 10	1 41	14 55	0 26	22 41	0 48	23 35	0 10	10 26	0 25	14 33	1 46	29 9	15 25	20 58	20 42	21 45			n.a.
W25	23 45	18 25	5 11	18 59	3 1	20 51	1 40	15 9	0 26	22 39	0 48	23 35	0 9	10 26	0 25	14 33	1 46	29 9	15 25	20 58	20 43	21 43			n.a.
T 26	23 45	22 30	4 50	19 8	2 53	20 32	1 38	15 22	0 25	22 36	0 48	23 35	0 9	10 25	0 25	14 33	1 46	29 8	15 24	20 59	20 43	21 41			n.a.
F 27	23 44	25 20	4 12	19 19	2 44	20 11	1 37	15 36	0 24	22 34	0 48	23 35	0 9	10 25	0 25	14 32	1 46	29 8	15 24	21 0	20 44	21 39			n.a.
S 28	23 44	26 31	3 15	19 31	2 35	19 51	1 35	15 50	0 23	22 32	0 48	23 35	0 9	10 25	0 25	14 32	1 46	29 7	15 24	21 1	20 45	21 37			n.a.
S 29	23 42	25 45	2 4	19 45	2 26	19 29	1 34	16 3	0 23	22 29	0 48	23 35	0 9	10 25	0 25	14 32	1 46	29 6	15 24	21 1	20 45	21 34			n.a.
M30	23 41	23 6	0 44	19 59	2 16	19 8	1 32	16 16	0 22	22 27	0 48	23 36	0 9	10 24	0 25	14 32	1 46	29 6	15 23	21 1	20 46	21 32			n.a.
T 31	23 s39	18 s51	0n39	20 s15	2n 6	18 s45	1 s30	16 s29	0n21	22 s24	0 s48	23n36	0 s 9	10n24	0 s25	14n31	1 s46	29 s 5	15 s23	21 s 1	20 s46	21n30			n.a.

Julian Day Number = 1571274.5, Delta T = 04h17m32s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'57, Lahiri = - 9°37'57 Julian Calendar 1 Dec. 412 BCE == Greg. Calendar 26 Nov. 412 BCE

The year -411 astronomical counting style corresponds to year 412 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

JANUARY 411 BCE (-410) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 20 18	6♑12'28	18♒59	11♐16	13♒33	16♏40	24♑ 2	28°R46	27°R42	13°R51	21♒13	27♑ 2	28♑12	25♋48	n.a.	W 1
T 2	6 24 15	7°13'23	3♓33	12° 2	14°45	17°22	24°16	28♊41	27♈42	13♉50	21°14	27° 3	28° 9	25°55	n.a.	T 2
F 3	6 28 11	8°14'16	17°44	12°52	15°57	18° 5	24°30	28°36	27°41	13°49	21°16	27° 4	28° 6	26° 2	n.a.	F 3
S 4	6 32 8	9°15'08	1♈32	13°45	17°10	18°47	24°45	28°32	27°41	13°48	21°17	27° 5	28° 3	26° 8	n.a.	S 4
S 5	6 36 4	10°15'58	14°57	14°41	18°22	19°29	24°59	28°27	27°41	13°47	21°18	27°R 5	28° 0	26°15	n.a.	S 5
M 6	6 40 1	11°16'46	28° 1	15°41	19°34	20°12	25°13	28°22	27°40	13°47	21°19	27° 5	27°56	26°22	n.a.	M 6
T 7	6 43 58	12°17'32	10♉46	16°43	20°46	20°54	25°27	28°17	27°40	13°46	21°20	27° 3	27°53	26°28	n.a.	T 7
W 8	6 47 54	13°18'17	23°16	17°47	21°57	21°37	25°42	28°13	27°40	13°45	21°22	27° 1	27°50	26°35	n.a.	W 8
T 9	6 51 51	14°19'00	5♊32	18°54	23° 9	22°19	25°56	28° 8	27°40	13°45	21°23	26°59	27°47	26°41	n.a.	T 9
F 10	6 55 47	15°19'42	17°39	20° 3	24°21	23° 2	26°10	28° 3	27°D40	13°44	21°24	26°57	27°44	26°48	n.a.	F 10
S 11	6 59 44	16°20'22	29°38	21°14	25°32	23°44	26°24	27°59	27°40	13°43	21°26	26°56	27°40	26°55	n.a.	S 11
S 12	7 3 40	17°21'00	11♋30	22°27	26°44	24°27	26°39	27°54	27°40	13°43	21°27	26°55	27°37	27° 1	n.a.	S 12
M13	7 7 37	18°21'37	23°20	23°41	27°55	25° 9	26°53	27°50	27°40	13°42	21°28	26°D55	27°34	27° 8	n.a.	M13
T 14	7 11 33	19°22'12	5♌ 7	24°57	29° 6	25°52	27° 7	27°45	27°40	13°42	21°29	26°55	27°31	27°15	n.a.	T 14
W15	7 15 30	20°22'45	16°56	26°15	0♓17	26°34	27°22	27°41	27°41	13°41	21°31	26°55	27°28	27°21	n.a.	W15
T 16	7 19 27	21°23'17	28°47	27°34	1°28	27°17	27°36	27°37	27°41	13°41	21°32	26°56	27°25	27°28	n.a.	T 16
F 17	7 23 23	22°23'47	10♍45	28°54	2°39	28° 0	27°51	27°32	27°41	13°40	21°34	26°56	27°21	27°35	n.a.	F 17
S 18	7 27 20	23°24'15	22°52	0♑16	3°50	28°42	28° 5	27°28	27°42	13°40	21°35	26°57	27°18	27°41	n.a.	S 18
S 19	7 31 16	24°24'42	5♎12	1°39	5° 0	29°25	28°19	27°24	27°42	13°40	21°36	26°57	27°15	27°48	n.a.	S 19
M20	7 35 13	25°25'08	17°49	3° 3	6°11	0♐ 8	28°34	27°20	27°42	13°39	21°38	26°57	27°12	27°55	n.a.	M20
T 21	7 39 9	26°25'32	0♏47	4°29	7°21	0°51	28°48	27°16	27°43	13°39	21°39	26°57	27° 9	28° 1	n.a.	T 21
W22	7 43 6	27°25'55	14° 9	5°55	8°31	1°33	29° 3	27°12	27°44	13°39	21°41	26°57	27° 6	28° 8	n.a.	W22
T 23	7 47 2	28°26'16	27°57	7°23	9°41	2°16	29°17	27° 8	27°44	13°39	21°42	26°57	27° 2	28°15	n.a.	T 23
F 24	7 50 59	29°26'36	12♐11	8°52	10°51	2°59	29°31	27° 4	27°45	13°38	21°43	26°57	26°59	28°21	n.a.	F 24
S 25	7 54 56	0♒26'54	26°50	10°22	12° 1	3°42	29°46	27° 1	27°46	13°38	21°45	26°58	26°56	28°28	n.a.	S 25
S 26	7 58 52	1°27'10	11♑48	11°53	13°11	4°25	0♒ 0	26°57	27°46	13°38	21°46	26°58	26°53	28°34	n.a.	S 26
M27	8 2 49	2°27'25	26°59	13°25	14°20	5° 8	0°15	26°54	27°47	13°38	21°48	26°R58	26°50	28°41	n.a.	M27
T 28	8 6 45	3°27'37	12♒12	14°58	15°30	5°50	0°29	26°50	27°48	13°38	21°49	26°58	26°46	28°48	n.a.	T 28
W29	8 10 42	4°27'48	27°19	16°32	16°39	6°33	0°44	26°47	27°49	13°D38	21°51	26°57	26°43	28°54	n.a.	W29
T 30	8 14 38	5°27'56	12♓ 9	18° 7	17°48	7°16	0°58	26°43	27°50	13°38	21°52	26°57	26°40	29° 1	n.a.	T 30
F 31	8 18 35	6♒28'02	26♓37	19♑43	18♓57	7♐59	1♒12	26♊40	27♈51	13♉38	21♒54	26♑55	26♑37	29♋ 8	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23s36	13s27	1n58	20s30	1n56	18s23	1s28	16s42	0n21	22s22	0s48	23n36	0s 9	10n24	0s25	14n31	1s46	29s 5	15s23	21s 1	20s47	21n28			n.a.
T 2	23 33	7 25	3 8	20 47	1 46	17 59	1 26	16 55	0 20	22 20	0 48	23 36	0 9	10 24	0 25	14 31	1 46	29 4	15 23	21 1	20 48	21 26			n.a.
F 3	23 29	1 9	4 5	21 3	1 35	17 36	1 24	17 8	0 19	22 17	0 48	23 36	0 8	10 24	0 25	14 31	1 45	29 3	15 23	21 1	20 48	21 24			n.a.
S 4	23 25	4n59	4 46	21 20	1 25	17 11	1 22	17 20	0 19	22 15	0 48	23 36	0 8	10 24	0 25	14 31	1 45	29 3	15 22	21 1	20 49	21 22			n.a.
S 5	23 21	10 42	5 9	21 37	1 15	16 47	1 20	17 33	0 18	22 12	0 48	23 36	0 8	10 24	0 25	14 30	1 45	29 2	15 22	21 1	20 50	21 20			n.a.
M 6	23 16	15 49	5 16	21 53	1 5	16 22	1 17	17 45	0 17	22 9	0 48	23 36	0 8	10 24	0 25	14 30	1 45	29 2	15 22	21 1	20 50	21 17			n.a.
T 7	23 10	20 6	5 8	22 9	0 56	15 56	1 15	17 57	0 16	22 7	0 48	23 36	0 8	10 24	0 25	14 30	1 45	29 1	15 22	21 1	20 51	21 15			n.a.
W 8	23 4	23 24	4 44	22 25	0 46	15 30	1 12	18 9	0 16	22 4	0 48	23 36	0 8	10 24	0 25	14 30	1 45	29 0	15 21	21 1	20 52	21 13			n.a.
T 9	22 58	25 34	4 8	22 40	0 36	15 4	1 10	18 21	0 15	22 2	0 49	23 36	0 8	10 24	0 25	14 30	1 45	29 0	15 21	21 2	20 52	21 11			n.a.
F 10	22 51	26 30	3 21	22 55	0 27	14 38	1 7	18 32	0 14	21 59	0 49	23 36	0 8	10 24	0 25	14 30	1 45	28 59	15 21	21 2	20 53	21 9			n.a.
S 11	22 44	26 11	2 26	23 9	0 18	14 11	1 4	18 44	0 13	21 56	0 49	23 36	0 8	10 24	0 25	14 29	1 45	28 58	15 21	21 2	20 54	21 7			n.a.
S 12	22 36	24 39	1 25	23 23	0 9	13 43	1 1	18 55	0 12	21 53	0 49	23 36	0 7	10 24	0 25	14 29	1 45	28 58	15 21	21 3	20 54	21 4			n.a.
M13	22 28	22 2	0 20	23 35	0 0	13 16	0 59	19 7	0 12	21 51	0 49	23 36	0 7	10 24	0 25	14 29	1 45	28 57	15 21	21 3	20 55	21 2			n.a.
T 14	22 20	18 30	0s45	23 47	0s 8	12 48	0 56	19 18	0 11	21 48	0 49	23 36	0 7	10 24	0 25	14 29	1 45	28 57	15 20	21 3	20 55	21 0			n.a.
W15	22 11	14 14	1 49	23 58	0 17	12 20	0 52	19 28	0 10	21 45	0 49	23 36	0 7	10 24	0 25	14 29	1 45	28 56	15 20	21 3	20 56	20 58			n.a.
T 16	22 1	9 25	2 48	24 8	0 25	11 51	0 49	19 39	0 9	21 42	0 49	23 36	0 7	10 24	0 25	14 29	1 45	28 55	15 20	21 2	20 57	20 56			n.a.
F 17	21 51	4 14	3 40	24 17	0 33	11 23	0 46	19 50	0 8	21 40	0 49	23 37	0 7	10 24	0 25	14 29	1 45	28 55	15 20	21 2	20 57	20 54			n.a.
S 18	21 41	1s10	4 24	24 25	0 40	10 54	0 43	20 0	0 8	21 37	0 49	23 37	0 7	10 24	0 24	14 29	1 45	28 54	15 20	21 2	20 58	20 51			n.a.
S 19	21 31	6 36	4 56	24 32	0 47	10 24	0 39	20 10	0 7	21 34	0 49	23 37	0 7	10 24	0 24	14 29	1 45	28 53	15 20	21 2	20 59	20 49			n.a.
M20	21 20	11 54	5 14	24 37	0 54	9 55	0 36	20 20	0 6	21 31	0 49	23 37	0 7	10 25	0 24	14 29	1 44	28 53	15 19	21 2	20 59	20 47			n.a.
T 21	21 8	16 50	5 17	24 41	1 1	9 25	0 32	20 30	0 5	21 28	0 49	23 37	0 6	10 25	0 24	14 29	1 44	28 52	15 19	21 2	21 0	20 45			n.a.
W22	20 56	21 7	5 4	24 44	1 8	8 55	0 29	20 40	0 4	21 25	0 49	23 37	0 6	10 25	0 24	14 29	1 44	28 52	15 19	21 2	21 0	20 43			n.a.
T 23	20 44	24 23	4 33	24 46	1 14	8 25	0 25	20 50	0 3	21 22	0 49	23 37	0 6	10 25	0 24	14 29	1 44	28 51	15 19	21 2	21 1	20 40			n.a.
F 24	20 32	26 15	3 44	24 46	1 20	7 55	0 21	20 59	0 2	21 19	0 50	23 37	0 6	10 26	0 24	14 29	1 44	28 50	15 19	21 2	21 2	20 38			n.a.
S 25	20 19	26 22	2 40	24 45	1 25	7 25	0 18	21 8	0 2	21 16	0 50	23 37	0 6	10 26	0 24	14 29	1 44	28 50	15 19	21 2	21 2	20 36			n.a.
S 26	20 5	24 36	1 23	24 42	1 30	6 54	0 14	21 17	0 1	21 13	0 50	23 37	0 6	10 26	0 24	14 29	1 44	28 49	15 19	21 2	21 3	20 34			n.a.
M27	19 52	21 2	0n 0	24 38	1 35	6 24	0 10	21 26	0s 0	21 10	0 50	23 37	0 6	10 27	0 24	14 29	1 44	28 49	15 19	21 2	21 4	20 31			n.a.
T 28	19 38	16 1	1 24	24 33	1 40	5 53	0 6	21 34	0 1	21 7	0 50	23 37	0 6	10 27	0 24	14 29	1 44	28 48	15 19	21 2	21 4	20 29			n.a.
W29	19 23	10 3	2 41	24 26	1 44	5 22	0 2	21 43	0 2	21 4	0 50	23 37	0 5	10 27	0 24	14 29	1 44	28 47	15 18	21 2	21 5	20 27			n.a.
T 30	19 9	3 37	3 46	24 17	1 48	4 51	0n 2	21 51	0 3	21 1	0 50	23 37	0 5	10 28	0 24	14 29	1 44	28 47	15 18	21 2	21 5	20 25			n.a.
F 31	18s54	2n50	4n34	24s 7	1s52	4s20	0n 6	21s59	0s 4	20s58	0s50	23n37	0s 5	10n28	0s24	14n29	1s44	28s46	15s18	21s 2	21s 6	20n22			n.a.

Julian Day Number = 1571305.5, Delta T = 04h17m31s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'53, Lahiri = - 9°37'53 Julian Calendar 1 Jan. 411 BCE == Greg. Calendar 27 Dec. 412 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

FEBRUARY 411 BCE (-410) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 22 31	7♒28'06	10♈39	21♑21	20♓ 6	8♐42	1♒27	26°R37	27♈52	13♉38	21♒55	26°R54	26♑34	29♋14	n.a.	S 1
S 2	8 26 28	8°28'08	24°13	22°59	21°14	9°25	1°41	26♊34	27°54	13°38	21°57	26♑53	26°31	29°21	n.a.	S 2
M 3	8 30 25	9°28'07	7♉21	24°39	22°23	10° 8	1°56	26°31	27°55	13°38	21°58	26°D53	26°27	29°28	n.a.	M 3
T 4	8 34 21	10°28'04	20° 6	26°19	23°31	10°51	2°10	26°28	27°56	13°39	22° 0	26°53	26°24	29°34	n.a.	T 4
W 5	8 38 18	11°27'59	2♊31	28° 1	24°39	11°34	2°24	26°25	27°57	13°39	22° 1	26°54	26°21	29°41	n.a.	W 5
T 6	8 42 14	12°27'51	14°41	29°44	25°47	12°17	2°39	26°23	27°59	13°39	22° 3	26°55	26°18	29°48	n.a.	T 6
F 7	8 46 11	13°27'41	26°39	1♒28	26°55	13° 0	2°53	26°20	28° 0	13°40	22° 4	26°57	26°15	29°54	n.a.	F 7
S 8	8 50 7	14°27'29	8♋30	3°13	28° 2	13°43	3° 7	26°18	28° 1	13°40	22° 6	26°58	26°12	0♌ 1	n.a.	S 8
S 9	8 54 4	15°27'15	20°18	4°59	29° 9	14°26	3°22	26°15	28° 3	13°40	22° 7	26°59	26° 8	0° 7	n.a.	S 9
M10	8 58 0	16°26'58	2♌ 5	6°47	0♈16	15° 9	3°36	26°13	28° 5	13°41	22° 9	26°R59	26° 5	0°14	n.a.	M10
T 11	9 1 57	17°26'40	13°54	8°36	1°23	15°52	3°50	26°11	28° 6	13°41	22°10	26°58	26° 2	0°21	n.a.	T 11
W12	9 5 54	18°26'19	25°47	10°26	2°30	16°35	4° 4	26° 9	28° 8	13°42	22°12	26°56	25°59	0°27	n.a.	W12
T 13	9 9 50	19°25'55	7♍47	12°17	3°36	17°19	4°18	26° 7	28° 9	13°42	22°14	26°53	25°56	0°34	n.a.	T 13
F 14	9 13 47	20°25'30	19°54	14° 9	4°42	18° 2	4°33	26° 5	28°11	13°43	22°15	26°49	25°52	0°41	n.a.	F 14
S 15	9 17 43	21°25'03	2♎11	16° 3	5°48	18°45	4°47	26° 3	28°13	13°43	22°17	26°45	25°49	0°47	n.a.	S 15
S 16	9 21 40	22°24'34	14°40	17°57	6°54	19°28	5° 1	26° 2	28°15	13°44	22°18	26°41	25°46	0°54	n.a.	S 16
M17	9 25 36	23°24'03	27°23	19°53	7°59	20°11	5°15	26° 0	28°17	13°44	22°20	26°38	25°43	1° 1	n.a.	M17
T 18	9 29 33	24°23'30	10♏22	21°50	9° 4	20°54	5°29	25°59	28°19	13°45	22°21	26°36	25°40	1° 7	n.a.	T 18
W19	9 33 29	25°22'55	23°40	23°48	10° 9	21°38	5°43	25°57	28°20	13°46	22°23	26°D35	25°37	1°14	n.a.	W19
T 20	9 37 26	26°22'18	7♐18	25°47	11°14	22°21	5°57	25°56	28°22	13°47	22°24	26°35	25°33	1°21	n.a.	T 20
F 21	9 41 23	27°21'40	21°17	27°47	12°18	23° 4	6°11	25°55	28°25	13°47	22°26	26°37	25°30	1°27	n.a.	F 21
S 22	9 45 19	28°21'00	5♑39	29°48	13°22	23°47	6°25	25°54	28°27	13°48	22°27	26°38	25°27	1°34	n.a.	S 22
S 23	9 49 16	29°20'18	20°19	1♓50	14°26	24°31	6°39	25°53	28°29	13°49	22°29	26°R39	25°24	1°41	n.a.	S 23
M24	9 53 12	0♓19'33	5♒15	3°52	15°30	25°14	6°52	25°52	28°31	13°50	22°30	26°39	25°21	1°47	n.a.	M24
T 25	9 57 9	1°18'47	20°18	5°55	16°33	25°57	7° 6	25°51	28°33	13°51	22°32	26°37	25°18	1°54	n.a.	T 25
W26	10 1 5	2°17'59	5♓20	7°58	17°36	26°40	7°20	25°51	28°35	13°52	22°33	26°34	25°14	2° 0	n.a.	W26
T 27	10 5 2	3°17'08	20°13	10° 0	18°38	27°24	7°34	25°50	28°38	13°53	22°35	26°29	25°11	2° 7	n.a.	T 27
F 28	10 8 58	4♓16'15	4♈48	12♓ 3	19♈40	28♐ 7	7♒47	25♊50	28♈40	13♉54	22♒37	26♑23	25♑ 8	2♌14	n.a.	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s38	8n56	5n 5	23s55	1s55	3s49	0n11	22s 7	0s 5	20s55	0s50	23n37	0s 5	10n29	0s24	14n29	1s44	28s46	15s18	21s 3	21s 7	20n20		n.a.
S 2	18 23	14 24	5 17	23 41	1 58	3 17	0 15	22 14	0 6	20 51	0 50	23 37	0 5	10 29	0 24	14 29	1 44	28 45	15 18	21 3	21 7	20 18		n.a.
M 3	18 7	19 3	5 12	23 26	2 0	2 46	0 19	22 22	0 7	20 48	0 50	23 37	0 5	10 30	0 24	14 29	1 44	28 44	15 18	21 3	21 8	20 16		n.a.
T 4	17 50	22 40	4 52	23 9	2 2	2 15	0 24	22 29	0 8	20 45	0 51	23 37	0 5	10 30	0 24	14 30	1 43	28 44	15 18	21 3	21 9	20 13		n.a.
W 5	17 34	25 9	4 18	22 50	2 4	1 43	0 28	22 36	0 9	20 42	0 51	23 37	0 5	10 31	0 24	14 30	1 43	28 43	15 18	21 3	21 9	20 11		n.a.
T 6	17 17	26 23	3 34	22 30	2 5	1 12	0 32	22 43	0 10	20 39	0 51	23 37	0 5	10 31	0 24	14 30	1 43	28 43	15 18	21 2	21 10	20 9		n.a.
F 7	17 0	26 22	2 40	22 8	2 5	0 41	0 37	22 49	0 11	20 35	0 51	23 37	0 4	10 32	0 24	14 30	1 43	28 42	15 18	21 2	21 10	20 7		n.a.
S 8	16 42	25 9	1 41	21 43	2 6	0 10	0 42	22 56	0 12	20 32	0 51	23 37	0 4	10 32	0 24	14 30	1 43	28 42	15 18	21 2	21 11	20 4		n.a.
S 9	16 24	22 48	0 37	21 18	2 6	0n22	0 46	23 2	0 13	20 29	0 51	23 37	0 4	10 33	0 24	14 30	1 43	28 41	15 18	21 2	21 12	20 2		n.a.
M10	16 6	19 30	0s28	20 50	2 5	0 53	0 51	23 8	0 14	20 26	0 51	23 37	0 4	10 33	0 24	14 31	1 43	28 40	15 18	21 2	21 12	20 0		n.a.
T 11	15 48	15 24	1 32	20 20	2 4	1 24	0 55	23 14	0 15	20 22	0 51	23 37	0 4	10 34	0 24	14 31	1 43	28 40	15 18	21 2	21 13	19 57		n.a.
W12	15 30	10 42	2 32	19 49	2 2	1 55	1 0	23 19	0 16	20 19	0 51	23 37	0 4	10 34	0 24	14 31	1 43	28 39	15 18	21 2	21 13	19 55		n.a.
T 13	15 11	5 34	3 26	19 15	2 0	2 26	1 5	23 24	0 17	20 16	0 51	23 38	0 4	10 35	0 24	14 31	1 43	28 39	15 18	21 3	21 14	19 53		n.a.
F 14	14 52	0 12	4 12	18 40	1 58	2 57	1 10	23 30	0 18	20 12	0 52	23 38	0 4	10 36	0 24	14 31	1 43	28 38	15 18	21 4	21 15	19 50		n.a.
S 15	14 33	5s14	4 46	18 3	1 54	3 28	1 14	23 34	0 19	20 9	0 52	23 38	0 4	10 36	0 24	14 32	1 43	28 38	15 18	21 4	21 15	19 48		n.a.
S 16	14 13	10 34	5 7	17 24	1 51	3 59	1 19	23 39	0 20	20 6	0 52	23 38	0 3	10 37	0 24	14 32	1 43	28 37	15 18	21 5	21 16	19 46		n.a.
M17	13 54	15 32	5 14	16 43	1 46	4 29	1 24	23 43	0 21	20 2	0 52	23 38	0 3	10 38	0 24	14 32	1 43	28 37	15 18	21 6	21 16	19 44		n.a.
T 18	13 34	19 56	5 5	16 0	1 42	5 0	1 29	23 48	0 22	19 59	0 52	23 38	0 3	10 39	0 24	14 32	1 43	28 36	15 18	21 6	21 17	19 41		n.a.
W19	13 13	23 26	4 40	15 16	1 36	5 30	1 34	23 52	0 23	19 56	0 52	23 38	0 3	10 39	0 24	14 33	1 42	28 36	15 18	21 6	21 18	19 39		n.a.
T 20	12 53	25 43	3 58	14 30	1 30	6 0	1 39	23 55	0 24	19 52	0 52	23 38	0 3	10 40	0 24	14 33	1 42	28 35	15 18	21 6	21 18	19 37		n.a.
F 21	12 33	26 29	3 2	13 42	1 24	6 30	1 43	23 59	0 25	19 49	0 52	23 38	0 3	10 41	0 24	14 33	1 42	28 35	15 18	21 6	21 19	19 34		n.a.
S 22	12 12	25 30	1 53	12 53	1 17	7 0	1 48	24 2	0 26	19 45	0 53	23 38	0 3	10 42	0 24	14 34	1 42	28 34	15 18	21 6	21 19	19 32		n.a.
S 23	11 51	22 45	0 35	12 2	1 9	7 30	1 53	24 5	0 27	19 42	0 53	23 38	0 3	10 42	0 23	14 34	1 42	28 34	15 18	21 6	21 20	19 30		n.a.
M24	11 30	18 27	0n47	11 9	1 1	7 59	1 58	24 8	0 28	19 39	0 53	23 38	0 3	10 43	0 23	14 34	1 42	28 33	15 18	21 6	21 20	19 27		n.a.
T 25	11 9	12 55	2 6	10 16	0 52	8 28	2 3	24 11	0 30	19 35	0 53	23 38	0 2	10 44	0 23	14 34	1 42	28 33	15 18	21 6	21 21	19 25		n.a.
W26	10 47	6 39	3 16	9 21	0 42	8 57	2 8	24 13	0 31	19 32	0 53	23 38	0 2	10 45	0 23	14 35	1 42	28 32	15 18	21 7	21 22	19 22		n.a.
T 27	10 26	0 5	4 11	8 25	0 33	9 26	2 13	24 15	0 32	19 28	0 53	23 39	0 2	10 46	0 23	14 35	1 42	28 32	15 18	21 8	21 22	19 20		n.a.
F 28	10s 4	6n21	4n49	7s28	0s22	9n55	2n18	24s17	0s33	19s25	0s53	23n39	0s 2	10n46	0s23	14n36	1s42	28s31	15s18	21s 9	21s23	19n18		n.a.

Julian Day Number = 1571336.5, Delta T = 04h17m29s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'49, Lahiri = - 9°37'48 Julian Calendar 1 Feb. 411 BCE == Greg. Calendar 27 Jan. 411 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

MARCH 411 BCE (-410) JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 12 55	5♓15'20	18♈58	14♓ 5	20♈42	28♐50	8♒ 1	25°R50	28♈42	13♉55	22♒38	26°R17	25♑ 5	2♌20	n.a.	S 1
S 2	10 16 51	6°14'22	2♉41	16° 6	21°44	29°33	8°15	25♊50	28°45	13°56	22°40	26♑12	25° 2	2°27	n.a.	S 2
M 3	10 20 48	7°13'22	15°56	18° 6	22°45	0♑17	8°28	25°D49	28°47	13°57	22°41	26° 8	24°58	2°34	n.a.	M 3
T 4	10 24 45	8°12'20	28°45	20° 4	23°46	1° 0	8°42	25°50	28°50	13°58	22°43	26° 6	24°55	2°40	n.a.	T 4
W 5	10 28 41	9°11'15	11♊11	22° 0	24°46	1°43	8°55	25°50	28°52	13°59	22°44	26°D 6	24°52	2°47	n.a.	W 5
T 6	10 32 38	10°10'08	23°20	23°54	25°46	2°27	9° 8	25°50	28°55	14° 0	22°46	26° 6	24°49	2°54	n.a.	T 6
F 7	10 36 34	11° 8'59	5♋17	25°45	26°46	3°10	9°22	25°50	28°57	14° 1	22°47	26° 8	24°46	3° 0	n.a.	F 7
S 8	10 40 31	12° 7'47	17° 6	27°33	27°45	3°53	9°35	25°51	29° 0	14° 3	22°48	26° 9	24°43	3° 7	n.a.	S 8
S 9	10 44 27	13° 6'33	28°52	29°18	28°44	4°36	9°48	25°52	29° 2	14° 4	22°50	26°R10	24°39	3°14	n.a.	S 9
M10	10 48 24	14° 5'17	10♌40	0♈58	29°42	5°20	10° 1	25°52	29° 5	14° 5	22°51	26° 8	24°36	3°20	n.a.	M10
T 11	10 52 20	15° 3'58	22°33	2°35	0♉39	6° 3	10°15	25°53	29° 8	14° 6	22°53	26° 5	24°33	3°27	n.a.	T 11
W12	10 56 17	16° 2'37	4♍34	4° 8	1°37	6°46	10°28	25°54	29°11	14° 8	22°54	25°59	24°30	3°34	n.a.	W12
T 13	11 0 14	17° 1'14	16°44	5°36	2°33	7°29	10°41	25°55	29°13	14° 9	22°56	25°52	24°27	3°40	n.a.	T 13
F 14	11 4 10	17°59'49	29° 6	6°59	3°30	8°13	10°53	25°56	29°16	14°11	22°57	25°43	24°23	3°47	n.a.	F 14
S 15	11 8 7	18°58'21	11♎39	8°17	4°25	8°56	11° 6	25°58	29°19	14°12	22°59	25°33	24°20	3°53	n.a.	S 15
S 16	11 12 3	19°56'52	24°24	9°30	5°21	9°39	11°19	25°59	29°22	14°13	23° 0	25°23	24°17	4° 0	n.a.	S 16
M17	11 16 0	20°55'21	7♏22	10°38	6°15	10°22	11°32	26° 0	29°25	14°15	23° 1	25°15	24°14	4° 7	n.a.	M17
T 18	11 19 56	21°53'49	20°32	11°40	7° 9	11° 6	11°45	26° 2	29°28	14°16	23° 3	25° 9	24°11	4°13	n.a.	T 18
W19	11 23 53	22°52'14	3♐56	12°37	8° 2	11°49	11°57	26° 4	29°31	14°18	23° 4	25° 5	24° 8	4°20	n.a.	W19
T 20	11 27 49	23°50'38	17°33	13°29	8°55	12°32	12°10	26° 6	29°34	14°19	23° 5	25° 3	24° 4	4°27	n.a.	T 20
F 21	11 31 46	24°49'01	1♑26	14°14	9°47	13°15	12°22	26° 7	29°37	14°21	23° 7	25°D 3	24° 1	4°33	n.a.	F 21
S 22	11 35 42	25°47'21	15°33	14°54	10°39	13°58	12°35	26° 9	29°40	14°23	23° 8	25° 4	23°58	4°40	n.a.	S 22
S 23	11 39 39	26°45'40	29°54	15°29	11°29	14°42	12°47	26°12	29°43	14°24	23°10	25°R 4	23°55	4°47	n.a.	S 23
M24	11 43 36	27°43'58	14♒28	15°57	12°19	15°25	12°59	26°14	29°46	14°26	23°11	25° 3	23°52	4°53	n.a.	M24
T 25	11 47 32	28°42'13	29° 9	16°20	13° 9	16° 8	13°11	26°16	29°49	14°28	23°12	24°59	23°49	5° 0	n.a.	T 25
W26	11 51 29	29°40'27	13♓52	16°37	13°57	16°51	13°23	26°19	29°52	14°29	23°13	24°53	23°45	5° 7	n.a.	W26
T 27	11 55 25	0♈38'39	28°30	16°48	14°45	17°34	13°35	26°21	29°55	14°31	23°15	24°44	23°42	5°13	n.a.	T 27
F 28	11 59 22	1°36'49	12♈56	16°54	15°31	18°17	13°47	26°24	29°58	14°33	23°16	24°34	23°39	5°20	n.a.	F 28
S 29	12 3 18	2°34'58	27° 1	16°R54	16°17	19° 0	13°59	26°26	0♉ 1	14°34	23°17	24°23	23°36	5°27	n.a.	S 29
S 30	12 7 15	3°33'04	10♉43	16°49	17° 2	19°43	14°11	26°29	0° 5	14°36	23°18	24°13	23°33	5°33	n.a.	S 30
M31	12 11 11	4♈31'09	24♉ 0	16♈39	17♉47	20♑26	14♒23	26♊32	0♉ 8	14♉38	23♒20	24♑ 5	23♑29	5♌40	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s42	12n16	5n 8	6s31	0s12	10n23	2n23	24s19	0s34	19s21	0s53	23n39	0s 2	10n47	0s23	14n36	1s42	28s31	15s19	21s10	21s23	19n15		n.a.
S 2	9 20	17 23	5 9	5 34	0 1	10 51	2 27	24 20	0 35	19 18	0 54	23 39	0 2	10 48	0 23	14 36	1 42	28 30	15 19	21 11	21 24	19 13		n.a.
M 3	8 58	21 29	4 53	4 36	0n11	11 19	2 32	24 21	0 37	19 15	0 54	23 39	0 2	10 49	0 23	14 37	1 42	28 30	15 19	21 12	21 25	19 11		n.a.
T 4	8 36	24 23	4 22	3 38	0 22	11 46	2 37	24 22	0 38	19 11	0 54	23 39	0 2	10 50	0 23	14 37	1 42	28 30	15 19	21 12	21 25	19 8		n.a.
W 5	8 14	26 2	3 40	2 41	0 34	12 13	2 42	24 23	0 39	19 8	0 54	23 39	0 2	10 51	0 23	14 37	1 42	28 29	15 19	21 12	21 26	19 6		n.a.
T 6	7 51	26 23	2 49	1 45	0 46	12 40	2 47	24 23	0 40	19 4	0 54	23 39	0 1	10 52	0 23	14 38	1 42	28 29	15 19	21 12	21 26	19 3		n.a.
F 7	7 29	25 29	1 51	0 49	0 58	13 6	2 51	24 24	0 41	19 1	0 54	23 39	0 1	10 53	0 23	14 38	1 42	28 28	15 19	21 12	21 27	19 1		n.a.
S 8	7 6	23 27	0 49	0n 5	1 10	13 32	2 56	24 24	0 42	18 57	0 55	23 40	0 1	10 54	0 23	14 39	1 41	28 28	15 19	21 11	21 27	18 59		n.a.
S 9	6 43	20 24	0s15	0 58	1 22	13 58	3 1	24 24	0 44	18 54	0 55	23 40	0 1	10 55	0 23	14 39	1 41	28 28	15 19	21 11	21 28	18 56		n.a.
M10	6 20	16 32	1 18	1 49	1 33	14 23	3 5	24 23	0 45	18 50	0 55	23 40	0 1	10 56	0 23	14 40	1 41	28 27	15 20	21 12	21 29	18 54		n.a.
T 11	5 57	12 0	2 18	2 38	1 44	14 49	3 10	24 22	0 46	18 47	0 55	23 40	0 1	10 57	0 23	14 40	1 41	28 27	15 20	21 12	21 29	18 51		n.a.
W12	5 34	6 59	3 12	3 25	1 55	15 13	3 15	24 22	0 47	18 44	0 55	23 40	0 1	10 58	0 23	14 40	1 41	28 26	15 20	21 13	21 30	18 49		n.a.
T 13	5 11	1 39	3 58	4 9	2 5	15 37	3 19	24 20	0 49	18 40	0 55	23 40	0 1	10 59	0 23	14 41	1 41	28 26	15 20	21 15	21 30	18 47		n.a.
F 14	4 48	3s49	4 34	4 52	2 15	16 1	3 24	24 19	0 50	18 37	0 55	23 40	0 1	11 0	0 23	14 41	1 41	28 26	15 20	21 16	21 31	18 44		n.a.
S 15	4 25	9 12	4 57	5 31	2 24	16 25	3 28	24 17	0 51	18 33	0 56	23 40	0 1	11 1	0 23	14 42	1 41	28 25	15 20	21 18	21 31	18 42		n.a.
S 16	4 2	14 18	5 6	6 8	2 32	16 48	3 32	24 16	0 52	18 30	0 56	23 41	0 0	11 2	0 23	14 42	1 41	28 25	15 21	21 20	21 32	18 39		n.a.
M17	3 39	18 51	4 59	6 42	2 40	17 10	3 37	24 14	0 54	18 26	0 56	23 41	0 0	11 3	0 23	14 43	1 41	28 25	15 21	21 21	21 33	18 37		n.a.
T 18	3 15	22 33	4 37	7 13	2 46	17 33	3 41	24 11	0 55	18 23	0 56	23 41	0 0	11 4	0 23	14 43	1 41	28 24	15 21	21 23	21 33	18 35		n.a.
W19	2 52	25 7	3 59	7 41	2 52	17 54	3 45	24 9	0 56	18 20	0 56	23 41	0 0	11 5	0 23	14 44	1 41	28 24	15 21	21 23	21 34	18 32		n.a.
T 20	2 29	26 15	3 7	8 6	2 57	18 16	3 49	24 6	0 57	18 16	0 57	23 41	0 0	11 6	0 23	14 44	1 41	28 24	15 21	21 24	21 34	18 30		n.a.
F 21	2 5	25 47	2 3	8 27	3 1	18 36	3 53	24 3	0 59	18 13	0 57	23 41	0n 0	11 7	0 23	14 45	1 41	28 23	15 21	21 24	21 35	18 27		n.a.
S 22	1 42	23 40	0 51	8 46	3 4	18 57	3 57	24 0	1 0	18 9	0 57	23 42	0 0	11 8	0 23	14 45	1 41	28 23	15 22	21 24	21 35	18 25		n.a.
S 23	1 18	20 1	0n26	9 1	3 6	19 16	4 0	23 56	1 1	18 6	0 57	23 42	0 0	11 9	0 23	14 46	1 41	28 23	15 22	21 24	21 36	18 22		n.a.
M24	0 55	15 5	1 42	9 13	3 6	19 36	4 4	23 53	1 3	18 3	0 57	23 42	0 0	11 10	0 23	14 46	1 41	28 23	15 22	21 24	21 37	18 20		n.a.
T 25	0 31	9 15	2 51	9 21	3 6	19 55	4 8	23 49	1 4	17 59	0 57	23 42	0 0	11 12	0 23	14 47	1 41	28 22	15 22	21 24	21 37	18 17		n.a.
W26	0 8	2 54	3 50	9 26	3 4	20 13	4 11	23 45	1 5	17 56	0 58	23 42	0 1	11 13	0 23	14 47	1 41	28 22	15 22	21 26	21 38	18 15		n.a.
T 27	0n16	3n33	4 32	9 28	3 1	20 31	4 14	23 41	1 7	17 53	0 58	23 42	0 1	11 14	0 23	14 48	1 40	28 22	15 23	21 27	21 38	18 12		n.a.
F 28	0 39	9 43	4 57	9 26	2 57	20 48	4 18	23 36	1 8	17 49	0 58	23 43	0 1	11 15	0 23	14 49	1 40	28 22	15 23	21 29	21 39	18 10		n.a.
S 29	1 2	15 14	5 3	9 21	2 51	21 5	4 21	23 31	1 9	17 46	0 58	23 43	0 1	11 16	0 23	14 49	1 40	28 21	15 23	21 31	21 39	18 8		n.a.
S 30	1 26	19 49	4 51	9 13	2 44	21 21	4 24	23 26	1 11	17 43	0 58	23 43	0 1	11 17	0 23	14 50	1 40	28 21	15 23	21 33	21 40	18 5		n.a.
M31	1n49	23n15	4n23	9n 1	2n36	21n36	4n27	23s21	1s12	17s40	0s59	23n43	0n 1	11n18	0s23	14n50	1s40	28s21	15s24	21s34	21s40	18n 3		n.a.

Julian Day Number = 1571364.5, Delta T = 04h17m28s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'45, Lahiri = - 9°37'45 Julian Calendar 1 March 411 BCE == Greg. Calendar 24 Feb. 411 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

APRIL 411 BCE (-410) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 15 8	5♈29'11	6♊51	16°R24	18♉30	21♑ 9	14♒34	26♊35	0♉11	14♉40	23♒21	24°R 0	23♑26	5♌46	n.a.	T 1
W 2	12 19 5	6°27'12	19°20	16♈ 4	19°12	21°52	14°46	26°38	0°14	14°42	23°22	23♑56	23°23	5°53	n.a.	W 2
T 3	12 23 1	7°25'10	1♋31	15°41	19°53	22°35	14°57	26°41	0°18	14°43	23°23	23°55	23°20	6° 0	n.a.	T 3
F 4	12 26 58	8°23'07	13°29	15°14	20°33	23°18	15° 8	26°45	0°21	14°45	23°24	23°D55	23°17	6° 6	n.a.	F 4
S 5	12 30 54	9°21'02	25°18	14°44	21°12	24° 1	15°20	26°48	0°24	14°47	23°26	23°R55	23°14	6°13	n.a.	S 5
S 6	12 34 51	10°18'54	7♌ 6	14°11	21°49	24°44	15°31	26°52	0°27	14°49	23°27	23°54	23°10	6°20	n.a.	S 6
M 7	12 38 47	11°16'45	18°56	13°36	22°26	25°27	15°42	26°55	0°31	14°51	23°28	23°52	23° 7	6°26	n.a.	M 7
T 8	12 42 44	12°14'34	0♍54	13° 0	23° 1	26° 9	15°53	26°59	0°34	14°53	23°29	23°47	23° 4	6°33	n.a.	T 8
W 9	12 46 40	13°12'21	13° 2	12°24	23°34	26°52	16° 4	27° 3	0°38	14°55	23°30	23°39	23° 1	6°40	n.a.	W 9
T 10	12 50 37	14°10'07	25°24	11°47	24° 7	27°35	16°14	27° 7	0°41	14°57	23°31	23°29	22°58	6°46	n.a.	T 10
F 11	12 54 34	15° 7'50	8♎ 1	11°11	24°38	28°18	16°25	27°10	0°44	14°59	23°32	23°18	22°55	6°53	n.a.	F 11
S 12	12 58 30	16° 5'33	20°53	10°37	25° 7	29° 0	16°35	27°14	0°48	15° 1	23°33	23° 5	22°51	7° 0	n.a.	S 12
S 13	13 2 27	17° 3'13	3♏59	10° 4	25°35	29°43	16°46	27°19	0°51	15° 3	23°34	22°52	22°48	7° 6	n.a.	S 13
M14	13 6 23	18° 0'53	17°18	9°33	26° 2	0♒25	16°56	27°23	0°55	15° 5	23°35	22°41	22°45	7°13	n.a.	M14
T 15	13 10 20	18°58'31	0♐48	9° 6	26°26	1° 8	17° 6	27°27	0°58	15° 7	23°36	22°33	22°42	7°20	n.a.	T 15
W16	13 14 16	19°56'08	14°28	8°41	26°49	1°50	17°16	27°31	1° 1	15° 9	23°37	22°27	22°39	7°26	n.a.	W16
T 17	13 18 13	20°53'44	28°17	8°20	27°10	2°33	17°26	27°36	1° 5	15°11	23°38	22°24	22°35	7°33	n.a.	T 17
F 18	13 22 9	21°51'19	12♑13	8° 4	27°30	3°15	17°36	27°40	1° 8	15°13	23°39	22°23	22°32	7°39	n.a.	F 18
S 19	13 26 6	22°48'53	26°16	7°51	27°47	3°58	17°46	27°45	1°12	15°15	23°40	22°23	22°29	7°46	n.a.	S 19
S 20	13 30 3	23°46'26	10♒26	7°42	28° 3	4°40	17°56	27°50	1°15	15°17	23°41	22°22	22°26	7°53	n.a.	S 20
M21	13 33 59	24°43'57	24°41	7°D38	28°17	5°22	18° 5	27°54	1°19	15°19	23°42	22°20	22°23	7°59	n.a.	M21
T 22	13 37 56	25°41'28	9♓ 0	7°39	28°28	6° 4	18°15	27°59	1°22	15°22	23°42	22°16	22°20	8° 6	n.a.	T 22
W23	13 41 52	26°38'58	23°18	7°44	28°38	6°46	18°24	28° 4	1°26	15°24	23°43	22° 9	22°16	8°13	n.a.	W23
T 24	13 45 49	27°36'26	7♈32	7°53	28°45	7°29	18°33	28° 9	1°29	15°26	23°44	21°59	22°13	8°19	n.a.	T 24
F 25	13 49 45	28°33'54	21°35	8° 7	28°50	8°11	18°42	28°14	1°33	15°28	23°45	21°48	22°10	8°26	n.a.	F 25
S 26	13 53 42	29°31'21	5♉23	8°26	28°53	8°52	18°51	28°19	1°36	15°30	23°46	21°36	22° 7	8°33	n.a.	S 26
S 27	13 57 38	0♉28'46	18°53	8°49	28°R53	9°34	19° 0	28°25	1°40	15°32	23°46	21°24	22° 4	8°39	n.a.	S 27
M28	14 1 35	1°26'10	2♊ 1	9°16	28°52	10°16	19° 9	28°30	1°43	15°35	23°47	21°15	22° 0	8°46	n.a.	M28
T 29	14 5 31	2°23'34	14°48	9°47	28°47	10°58	19°17	28°35	1°47	15°37	23°48	21° 8	21°57	8°53	n.a.	T 29
W30	14 9 28	3♉20'56	27♊15	10♈23	28♉41	11♒39	19♒26	28♊41	1♉50	15♉39	23♒49	21♑ 4	21♑54	8♌59	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n12	25n24	3n43	8n46	2n26	21n51	4n29	23s16	1s13	17s36	0s59	23n43	0n 1	11n20	0s23	14n51	1s40	28s21	15s24	21s35	21s41	18n 0		n.a.
W 2	2 36	26 11	2 53	8 29	2 16	22 6	4 32	23 10	1 15	17 33	0 59	23 43	0 1	11 21	0 23	14 51	1 40	28 21	15 24	21 36	21 41	17 58		n.a.
T 3	2 59	25 40	1 56	8 9	2 4	22 20	4 34	23 5	1 16	17 30	0 59	23 44	0 1	11 22	0 23	14 52	1 40	28 20	15 24	21 36	21 42	17 55		n.a.
F 4	3 22	23 58	0 55	7 46	1 51	22 33	4 36	22 59	1 17	17 27	0 59	23 44	0 1	11 23	0 23	14 53	1 40	28 20	15 25	21 36	21 43	17 53		n.a.
S 5	3 45	21 14	0s 7	7 22	1 37	22 45	4 38	22 52	1 19	17 24	1 0	23 44	0 2	11 24	0 23	14 53	1 40	28 20	15 25	21 36	21 43	17 50		n.a.
S 6	4 8	17 37	1 9	6 55	1 22	22 57	4 40	22 46	1 20	17 21	1 0	23 44	0 2	11 26	0 23	14 54	1 40	28 20	15 25	21 36	21 44	17 48		n.a.
M 7	4 31	13 18	2 9	6 27	1 6	23 9	4 42	22 40	1 22	17 17	1 0	23 44	0 2	11 27	0 23	14 54	1 40	28 20	15 25	21 36	21 44	17 45		n.a.
T 8	4 54	8 27	3 3	5 58	0 50	23 19	4 43	22 33	1 23	17 14	1 0	23 44	0 2	11 28	0 23	14 55	1 40	28 20	15 26	21 37	21 45	17 43		n.a.
W 9	5 17	3 13	3 49	5 28	0 34	23 29	4 44	22 26	1 24	17 11	1 0	23 45	0 2	11 29	0 23	14 56	1 40	28 20	15 26	21 39	21 45	17 40		n.a.
T 10	5 39	2s12	4 26	4 58	0 17	23 39	4 45	22 19	1 26	17 8	1 1	23 45	0 2	11 30	0 23	14 56	1 40	28 19	15 26	21 40	21 46	17 38		n.a.
F 11	6 2	7 39	4 50	4 28	0s 0	23 47	4 46	22 11	1 27	17 5	1 1	23 45	0 2	11 32	0 23	14 57	1 40	28 19	15 27	21 42	21 46	17 35		n.a.
S 12	6 25	12 52	5 0	3 59	0 17	23 55	4 47	22 4	1 29	17 2	1 1	23 45	0 2	11 33	0 23	14 58	1 40	28 19	15 27	21 45	21 47	17 33		n.a.
S 13	6 47	17 37	4 55	3 31	0 34	24 2	4 47	21 56	1 30	16 59	1 1	23 45	0 2	11 34	0 23	14 58	1 40	28 19	15 27	21 47	21 47	17 30		n.a.
M14	7 9	21 35	4 34	3 3	0 51	24 9	4 47	21 48	1 31	16 56	1 2	23 46	0 2	11 35	0 23	14 59	1 40	28 19	15 27	21 49	21 48	17 28		n.a.
T 15	7 31	24 26	3 57	2 38	1 7	24 15	4 47	21 40	1 33	16 53	1 2	23 46	0 2	11 36	0 23	14 59	1 40	28 19	15 28	21 50	21 48	17 25		n.a.
W16	7 53	25 54	3 6	2 14	1 22	24 20	4 46	21 32	1 34	16 50	1 2	23 46	0 3	11 38	0 23	15 0	1 40	28 19	15 28	21 51	21 49	17 22		n.a.
T 17	8 15	25 48	2 4	1 52	1 37	24 24	4 45	21 24	1 36	16 48	1 2	23 46	0 3	11 39	0 23	15 1	1 40	28 19	15 28	21 51	21 50	17 20		n.a.
F 18	8 37	24 4	0 54	1 32	1 51	24 27	4 44	21 15	1 37	16 45	1 3	23 46	0 3	11 40	0 22	15 1	1 40	28 19	15 29	21 52	21 50	17 17		n.a.
S 19	8 59	20 50	0n21	1 15	2 4	24 30	4 42	21 6	1 39	16 42	1 3	23 46	0 3	11 41	0 22	15 2	1 40	28 19	15 29	21 52	21 51	17 15		n.a.
S 20	9 21	16 21	1 34	1 1	2 16	24 32	4 40	20 58	1 40	16 39	1 3	23 47	0 3	11 43	0 22	15 3	1 40	28 19	15 29	21 52	21 51	17 12		n.a.
M21	9 42	10 55	2 42	0 49	2 28	24 32	4 38	20 48	1 41	16 36	1 3	23 47	0 3	11 44	0 22	15 3	1 40	28 19	15 30	21 52	21 52	17 10		n.a.
T 22	10 3	4 54	3 40	0 40	2 38	24 33	4 35	20 39	1 43	16 34	1 4	23 47	0 3	11 45	0 22	15 4	1 40	28 19	15 30	21 53	21 52	17 7		n.a.
W23	10 24	1n20	4 24	0 33	2 47	24 32	4 32	20 30	1 44	16 31	1 4	23 47	0 3	11 46	0 22	15 5	1 40	28 19	15 30	21 54	21 53	17 5		n.a.
T 24	10 45	7 28	4 51	0 29	2 55	24 30	4 29	20 20	1 46	16 28	1 4	23 47	0 3	11 47	0 22	15 5	1 39	28 19	15 31	21 56	21 53	17 2		n.a.
F 25	11 6	13 9	5 1	0 28	3 3	24 27	4 25	20 11	1 47	16 26	1 4	23 47	0 3	11 49	0 22	15 6	1 39	28 19	15 31	21 57	21 54	17 0		n.a.
S 26	11 27	18 4	4 52	0 30	3 9	24 24	4 20	20 1	1 49	16 23	1 5	23 48	0 3	11 50	0 22	15 6	1 39	28 19	15 31	21 59	21 54	16 57		n.a.
S 27	11 47	21 56	4 27	0 34	3 14	24 19	4 16	19 51	1 50	16 21	1 5	23 48	0 4	11 51	0 22	15 7	1 39	28 19	15 32	22 1	21 55	16 54		n.a.
M28	12 7	24 34	3 49	0 41	3 19	24 13	4 10	19 41	1 52	16 18	1 5	23 48	0 4	11 52	0 22	15 8	1 39	28 19	15 32	22 3	21 55	16 52		n.a.
T 29	12 27	25 50	2 59	0 50	3 22	24 7	4 4	19 31	1 53	16 16	1 5	23 48	0 4	11 54	0 22	15 8	1 39	28 19	15 32	22 4	21 56	16 49		n.a.
W30	12n47	25n46	2n 3	1n 2	3s24	23n59	3n58	19s21	1s55	16s13	1s 6	23n48	0n 4	11n55	0s22	15n 9	1s39	28s19	15s33	22s 4	21s56	16n47		n.a.

Julian Day Number = 1571395.5, Delta T = 04h17m27s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'41, Lahiri = - 9°37'40 Julian Calendar 1 Apr. 411 BCE == Greg. Calendar 27 March 411 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

MAY 411 BCE (-410) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 13 25	4♉18'16	9♋26	11♈ 2	28°R32	12♒21	19♒34	28♊46	1♉54	15♉41	23♒49	21°R 1	21♑51	9♌ 6	n.a.	T 1
F 2	14 17 21	5°15'36	21°24	11°45	28♉20	13° 3	19°42	28°52	1°57	15°43	23°50	21°D 1	21°48	9°13	n.a.	F 2
S 3	14 21 18	6°12'54	3♌15	12°32	28° 7	13°44	19°50	28°57	2° 1	15°46	23°50	21°R 1	21°45	9°19	n.a.	S 3
S 4	14 25 14	7°10'11	15° 3	13°23	27°50	14°25	19°58	29° 3	2° 4	15°48	23°51	21♑ 1	21°41	9°26	n.a.	S 4
M 5	14 29 11	8° 7'27	26°56	14°18	27°32	15° 7	20° 6	29° 9	2° 8	15°50	23°52	20°59	21°38	9°33	n.a.	M 5
T 6	14 33 7	9° 4'42	8♍56	15°16	27°11	15°48	20°13	29°15	2°11	15°52	23°52	20°56	21°35	9°39	n.a.	T 6
W 7	14 37 4	10° 1'56	21°10	16°17	26°48	16°29	20°21	29°21	2°15	15°54	23°53	20°50	21°32	9°46	n.a.	W 7
T 8	14 41 1	10°59'09	3♎40	17°22	26°23	17°10	20°28	29°27	2°18	15°57	23°53	20°41	21°29	9°53	n.a.	T 8
F 9	14 44 57	11°56'21	16°29	18°30	25°55	17°51	20°35	29°33	2°22	15°59	23°54	20°31	21°26	9°59	n.a.	F 9
S 10	14 48 54	12°53'32	29°37	19°41	25°26	18°32	20°42	29°39	2°25	16° 1	23°54	20°20	21°22	10° 6	n.a.	S 10
S 11	14 52 50	13°50'43	13♏ 4	20°56	24°55	19°12	20°49	29°45	2°29	16° 3	23°55	20° 9	21°19	10°12	n.a.	S 11
M12	14 56 47	14°47'53	26°46	22°13	24°23	19°53	20°56	29°51	2°32	16° 6	23°55	20° 0	21°16	10°19	n.a.	M12
T 13	15 0 43	15°45'02	10♐41	23°34	23°49	20°33	21° 2	29°57	2°35	16° 8	23°56	19°53	21°13	10°26	n.a.	T 13
W14	15 4 40	16°42'11	24°45	24°58	23°14	21°14	21° 9	0♋ 3	2°39	16°10	23°56	19°48	21°10	10°32	n.a.	W14
T 15	15 8 36	17°39'20	8♑54	26°25	22°38	21°54	21°15	0°10	2°42	16°12	23°56	19°46	21° 6	10°39	n.a.	T 15
F 16	15 12 33	18°36'28	23° 5	27°55	22° 1	22°34	21°21	0°16	2°46	16°15	23°57	19°D45	21° 3	10°46	n.a.	F 16
S 17	15 16 30	19°33'37	7♒16	29°28	21°24	23°15	21°27	0°23	2°49	16°17	23°57	19°46	21° 0	10°52	n.a.	S 17
S 18	15 20 26	20°30'45	21°25	1♉ 4	20°46	23°55	21°33	0°29	2°52	16°19	23°57	19°R46	20°57	10°59	n.a.	S 18
M19	15 24 23	21°27'53	5♓32	2°43	20° 9	24°34	21°38	0°36	2°56	16°21	23°57	19°45	20°54	11° 6	n.a.	M19
T 20	15 28 19	22°25'00	19°34	4°25	19°31	25°14	21°44	0°42	2°59	16°24	23°58	19°42	20°51	11°12	n.a.	T 20
W21	15 32 16	23°22'08	3♈31	6°10	18°54	25°54	21°49	0°49	3° 2	16°26	23°58	19°37	20°47	11°19	n.a.	W21
T 22	15 36 12	24°19'16	17°19	7°57	18°18	26°33	21°54	0°56	3° 6	16°28	23°58	19°30	20°44	11°26	n.a.	T 22
F 23	15 40 9	25°16'23	0♉56	9°48	17°43	27°13	21°59	1° 2	3° 9	16°30	23°58	19°22	20°41	11°32	n.a.	F 23
S 24	15 44 5	26°13'31	14°20	11°41	17° 8	27°52	22° 4	1° 9	3°12	16°32	23°58	19°13	20°38	11°39	n.a.	S 24
S 25	15 48 2	27°10'38	27°29	13°36	16°35	28°31	22° 8	1°16	3°16	16°35	23°59	19° 4	20°35	11°46	n.a.	S 25
M26	15 51 59	28° 7'46	10♊22	15°34	16° 4	29°10	22°13	1°23	3°19	16°37	23°59	18°57	20°32	11°52	n.a.	M26
T 27	15 55 55	29° 4'53	22°57	17°34	15°34	29°49	22°17	1°30	3°22	16°39	23°59	18°52	20°28	11°59	n.a.	T 27
W28	15 59 52	0♊ 2'00	5♋17	19°36	15° 6	0♓27	22°21	1°37	3°25	16°41	23°59	18°49	20°25	12° 6	n.a.	W28
T 29	16 3 48	0°59'06	17°24	21°41	14°40	1° 6	22°25	1°44	3°29	16°43	23°59	18°D48	20°22	12°12	n.a.	T 29
F 30	16 7 45	1°56'13	29°20	23°46	14°16	1°44	22°28	1°51	3°32	16°46	23°R59	18°49	20°19	12°19	n.a.	F 30
S 31	16 11 41	2♊53'19	11♌10	25♉54	13♉54	2♓22	22♒32	1♋58	3♉35	16♉48	23♒59	18♑50	20♑16	12♌26	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	13n 7	24n25	1n 1	1n16	3s26	23n51	3n51	19s10	1s56	16s11	1s 6	23n48	0n 4	11n56	0s22	15n10	1s39	28s19	15s33	22s 5	21s57	16n44			n.a.
F 2	13 27	21 59	0s 2	1 32	3 27	23 41	3 44	18 59	1 58	16 8	1 6	23 48	0 4	11 57	0 22	15 10	1 39	28 19	15 33	22 5	21 57	16 42			n.a.
S 3	13 46	18 38	1 5	1 51	3 27	23 30	3 36	18 49	1 59	16 6	1 6	23 49	0 4	11 59	0 22	15 11	1 39	28 19	15 34	22 5	21 58	16 39			n.a.
S 4	14 5	14 33	2 4	2 12	3 26	23 18	3 28	18 38	2 1	16 4	1 7	23 49	0 4	12 0	0 22	15 12	1 39	28 20	15 34	22 5	21 58	16 36			n.a.
M 5	14 24	9 54	2 59	2 35	3 24	23 5	3 19	18 27	2 2	16 2	1 7	23 49	0 4	12 1	0 22	15 12	1 39	28 20	15 34	22 5	21 59	16 34			n.a.
T 6	14 42	4 50	3 46	3 0	3 21	22 51	3 9	18 16	2 4	16 0	1 7	23 49	0 4	12 2	0 22	15 13	1 39	28 20	15 35	22 6	21 59	16 31			n.a.
W 7	15 1	0s29	4 24	3 26	3 18	22 36	2 59	18 5	2 5	15 57	1 8	23 49	0 4	12 3	0 22	15 14	1 39	28 20	15 35	22 7	22 0	16 29			n.a.
T 8	15 19	5 54	4 50	3 55	3 14	22 20	2 49	17 54	2 6	15 55	1 8	23 49	0 4	12 5	0 22	15 14	1 39	28 20	15 36	22 8	22 0	16 26			n.a.
F 9	15 37	11 12	5 2	4 25	3 9	22 2	2 38	17 42	2 8	15 53	1 8	23 49	0 5	12 6	0 22	15 15	1 39	28 20	15 36	22 9	22 1	16 23			n.a.
S 10	15 54	16 7	4 59	4 58	3 4	21 44	2 27	17 31	2 9	15 51	1 8	23 49	0 5	12 7	0 22	15 16	1 39	28 20	15 36	22 11	22 1	16 21			n.a.
S 11	16 12	20 23	4 39	5 31	2 58	21 25	2 15	17 19	2 11	15 49	1 9	23 49	0 5	12 8	0 22	15 16	1 39	28 21	15 37	22 13	22 2	16 18			n.a.
M12	16 29	23 37	4 3	6 7	2 52	21 5	2 3	17 8	2 12	15 47	1 9	23 50	0 5	12 9	0 22	15 17	1 39	28 21	15 37	22 14	22 2	16 16			n.a.
T 13	16 46	25 30	3 12	6 43	2 44	20 44	1 50	16 56	2 14	15 46	1 9	23 50	0 5	12 11	0 22	15 18	1 39	28 21	15 37	22 15	22 3	16 13			n.a.
W14	17 3	25 48	2 9	7 22	2 37	20 23	1 37	16 44	2 15	15 44	1 10	23 50	0 5	12 12	0 22	15 18	1 39	28 21	15 38	22 16	22 3	16 10			n.a.
T 15	17 19	24 24	0 58	8 1	2 29	20 1	1 24	16 32	2 17	15 42	1 10	23 50	0 5	12 13	0 22	15 19	1 39	28 21	15 38	22 16	22 4	16 8			n.a.
F 16	17 35	21 27	0n18	8 42	2 20	19 38	1 10	16 21	2 18	15 40	1 10	23 50	0 5	12 14	0 22	15 20	1 39	28 22	15 38	22 16	22 4	16 5			n.a.
S 17	17 51	17 12	1 32	9 23	2 11	19 15	0 56	16 9	2 20	15 39	1 10	23 50	0 5	12 15	0 22	15 20	1 39	28 22	15 39	22 16	22 5	16 3			n.a.
S 18	18 6	12 0	2 41	10 6	2 1	18 51	0 42	15 56	2 21	15 37	1 11	23 50	0 5	12 17	0 22	15 21	1 39	28 22	15 39	22 16	22 5	16 0			n.a.
M19	18 22	6 12	3 40	10 50	1 51	18 28	0 28	15 44	2 23	15 36	1 11	23 50	0 5	12 18	0 22	15 22	1 39	28 22	15 40	22 16	22 6	15 57			n.a.
T 20	18 37	0 8	4 25	11 35	1 41	18 4	0 14	15 32	2 24	15 34	1 11	23 50	0 6	12 19	0 22	15 22	1 39	28 23	15 40	22 17	22 6	15 55			n.a.
W21	18 51	5n54	4 54	12 20	1 30	17 40	0 0	15 20	2 26	15 33	1 12	23 50	0 6	12 20	0 22	15 23	1 39	28 23	15 40	22 17	22 7	15 52			n.a.
T 22	19 6	11 34	5 5	13 5	1 19	17 17	0s13	15 8	2 27	15 31	1 12	23 50	0 6	12 21	0 22	15 23	1 39	28 23	15 41	22 18	22 7	15 49			n.a.
F 23	19 20	16 37	5 0	13 52	1 8	16 54	0 27	14 55	2 29	15 30	1 12	23 50	0 6	12 22	0 22	15 24	1 39	28 23	15 41	22 20	22 8	15 47			n.a.
S 24	19 33	20 45	4 37	14 38	0 57	16 31	0 41	14 43	2 30	15 29	1 13	23 50	0 6	12 24	0 22	15 25	1 39	28 24	15 41	22 21	22 8	15 44			n.a.
S 25	19 47	23 45	4 0	15 24	0 46	16 9	0 54	14 30	2 32	15 27	1 13	23 50	0 6	12 25	0 22	15 25	1 39	28 24	15 42	22 22	22 9	15 41			n.a.
M26	20 0	25 27	3 12	16 10	0 34	15 47	1 7	14 18	2 33	15 26	1 13	23 50	0 6	12 26	0 22	15 26	1 39	28 24	15 42	22 23	22 9	15 39			n.a.
T 27	20 13	25 48	2 15	16 56	0 23	15 26	1 20	14 6	2 35	15 25	1 14	23 50	0 6	12 27	0 22	15 27	1 39	28 25	15 43	22 24	22 10	15 36			n.a.
W28	20 25	24 51	1 12	17 41	0 11	15 6	1 33	13 53	2 36	15 24	1 14	23 50	0 6	12 28	0 22	15 27	1 39	28 25	15 43	22 24	22 10	15 33			n.a.
T 29	20 37	22 43	0 8	18 25	0 0	14 47	1 45	13 41	2 38	15 23	1 14	23 50	0 6	12 29	0 22	15 28	1 39	28 25	15 43	22 24	22 11	15 31			n.a.
F 30	20 49	19 38	0s57	19 8	0n11	14 28	1 56	13 28	2 39	15 22	1 14	23 50	0 6	12 30	0 22	15 29	1 39	28 26	15 44	22 24	22 11	15 28			n.a.
S 31	21n 0	15n45	1s58	19n49	0n21	14n11	2s 8	13s15	2s41	15s21	1s15	23n50	0n 6	12n31	0s22	15n29	1s39	28s26	15s44	22s24	22s12	15n26			n.a.

Julian Day Number = 1571425.5, Delta T = 04h17m26s
Ecliptic obliquity = 23°44'46, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'37, Lahiri = - 9°37'36 Julian Calendar 1 May 411 BCE == Greg. Calendar 26 Apr. 411 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

JUNE 411 BCE (-410) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 15 38	3♊50'25	22♌59	28♉ 2	13°R34	3♓ 0	22♒35	2♋ 5	3♉38	16♉50	23°R59	18♑51	20♑12	12♌32	n.a.	S 1
M 2	16 19 35	4°47'31	4♍52	0♊11	13♉17	3°38	22°38	2°12	3°41	16°52	23♒59	18°R52	20° 9	12°39	n.a.	M 2
T 3	16 23 31	5°44'36	16°53	2°21	13° 2	4°16	22°41	2°19	3°44	16°54	23°59	18°51	20° 6	12°46	n.a.	T 3
W 4	16 27 28	6°41'42	29° 8	4°31	12°49	4°53	22°44	2°26	3°47	16°56	23°59	18°49	20° 3	12°52	n.a.	W 4
T 5	16 31 24	7°38'47	11♎42	6°41	12°38	5°31	22°47	2°34	3°50	16°59	23°59	18°44	20° 0	12°59	n.a.	T 5
F 6	16 35 21	8°35'53	24°36	8°50	12°30	6° 8	22°49	2°41	3°54	17° 1	23°58	18°39	19°57	13° 6	n.a.	F 6
S 7	16 39 17	9°32'58	7♏54	10°59	12°25	6°45	22°51	2°48	3°57	17° 3	23°58	18°33	19°53	13°12	n.a.	S 7
S 8	16 43 14	10°30'04	21°34	13° 8	12°21	7°21	22°53	2°56	3°59	17° 5	23°58	18°27	19°50	13°19	n.a.	S 8
M 9	16 47 10	11°27'10	5♐34	15°15	12°D21	7°58	22°55	3° 3	4° 2	17° 7	23°58	18°22	19°47	13°26	n.a.	M 9
T 10	16 51 7	12°24'16	19°52	17°22	12°22	8°34	22°57	3°10	4° 5	17° 9	23°58	18°18	19°44	13°32	n.a.	T 10
W11	16 55 4	13°21'23	4♑20	19°27	12°26	9°10	22°58	3°18	4° 8	17°11	23°57	18°15	19°41	13°39	n.a.	W11
T 12	16 59 0	14°18'30	18°54	21°30	12°32	9°46	23° 0	3°25	4°11	17°13	23°57	18°D15	19°38	13°45	n.a.	T 12
F 13	17 2 57	15°15'38	3♒28	23°32	12°40	10°22	23° 1	3°33	4°14	17°15	23°57	18°15	19°34	13°52	n.a.	F 13
S 14	17 6 53	16°12'46	17°57	25°33	12°50	10°58	23° 2	3°40	4°17	17°17	23°57	18°17	19°31	13°59	n.a.	S 14
S 15	17 10 50	17° 9'55	2♓17	27°32	13° 2	11°33	23° 2	3°48	4°20	17°19	23°56	18°18	19°28	14° 5	n.a.	S 15
M16	17 14 46	18° 7'05	16°26	29°29	13°17	12° 8	23° 3	3°55	4°22	17°21	23°56	18°R19	19°25	14°12	n.a.	M16
T 17	17 18 43	19° 4'16	0♈22	1♋25	13°33	12°43	23° 3	4° 3	4°25	17°23	23°55	18°18	19°22	14°19	n.a.	T 17
W18	17 22 39	20° 1'28	14° 5	3°18	13°51	13°17	23°R 3	4°10	4°28	17°25	23°55	18°16	19°18	14°25	n.a.	W18
T 19	17 26 36	20°58'41	27°34	5°10	14°11	13°52	23° 3	4°18	4°30	17°27	23°55	18°14	19°15	14°32	n.a.	T 19
F 20	17 30 33	21°55'55	10♉48	7° 1	14°33	14°26	23° 3	4°25	4°33	17°29	23°54	18°10	19°12	14°39	n.a.	F 20
S 21	17 34 29	22°53'09	23°49	8°49	14°57	15° 0	23° 2	4°33	4°36	17°31	23°54	18° 6	19° 9	14°45	n.a.	S 21
S 22	17 38 26	23°50'25	6♊36	10°36	15°22	15°33	23° 2	4°41	4°38	17°33	23°53	18° 2	19° 6	14°52	n.a.	S 22
M23	17 42 22	24°47'41	19° 9	12°21	15°49	16° 6	23° 1	4°48	4°41	17°35	23°53	17°59	19° 3	14°59	n.a.	M23
T 24	17 46 19	25°44'59	1♋30	14° 4	16°17	16°39	23° 0	4°56	4°43	17°37	23°52	17°57	18°59	15° 5	n.a.	T 24
W25	17 50 15	26°42'17	13°39	15°46	16°47	17°12	22°58	5° 4	4°46	17°38	23°52	17°D56	18°56	15°12	n.a.	W25
T 26	17 54 12	27°39'35	25°39	17°25	17°18	17°44	22°57	5°11	4°48	17°40	23°51	17°56	18°53	15°19	n.a.	T 26
F 27	17 58 9	28°36'55	7♌32	19° 3	17°51	18°16	22°55	5°19	4°51	17°42	23°50	17°57	18°50	15°25	n.a.	F 27
S 28	18 2 5	29°34'15	19°20	20°40	18°25	18°48	22°53	5°27	4°53	17°44	23°50	17°59	18°47	15°32	n.a.	S 28
S 29	18 6 2	0♋31'36	1♍ 9	22°14	19° 0	19°20	22°51	5°34	4°55	17°46	23°49	18° 0	18°44	15°39	n.a.	S 29
M30	18 9 58	1♋28'58	13♍ 1	23♋47	19♉36	19♓51	22♒49	5♋42	4♉58	17♉47	23♒49	18♑ 2	18♑40	15♌45	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n11	11n17	2s54	20n29	0n32	13n55	2s18	13s 3	2s42	15s21	1s15	23n50	0n 7	12n32	0s22	15n30	1s39	28s26	15s44	22s24	22s12	15n23		n.a.
M 2	21 22	6 23	3 44	21 7	0 41	13 40	2 29	12 50	2 44	15 20	1 15	23 50	0 7	12 33	0 22	15 30	1 39	28 27	15 45	22 24	22 13	15 20		n.a.
T 3	21 32	1 12	4 24	21 43	0 51	13 26	2 38	12 38	2 45	15 19	1 16	23 50	0 7	12 34	0 22	15 31	1 39	28 27	15 45	22 24	22 13	15 18		n.a.
W 4	21 42	4s 7	4 52	22 17	1 0	13 13	2 48	12 25	2 47	15 19	1 16	23 50	0 7	12 36	0 22	15 32	1 39	28 27	15 46	22 24	22 14	15 15		n.a.
T 5	21 52	9 23	5 8	22 49	1 8	13 1	2 57	12 13	2 48	15 18	1 16	23 50	0 7	12 37	0 22	15 32	1 39	28 28	15 46	22 25	22 14	15 12		n.a.
F 6	22 1	14 25	5 9	23 18	1 15	12 51	3 5	12 0	2 50	15 18	1 17	23 50	0 7	12 38	0 22	15 33	1 39	28 28	15 46	22 26	22 15	15 10		n.a.
S 7	22 10	18 55	4 53	23 44	1 22	12 42	3 13	11 47	2 51	15 17	1 17	23 50	0 7	12 39	0 22	15 33	1 39	28 29	15 47	22 27	22 15	15 7		n.a.
S 8	22 18	22 34	4 20	24 8	1 28	12 34	3 21	11 35	2 53	15 17	1 17	23 50	0 7	12 40	0 22	15 34	1 39	28 29	15 47	22 27	22 16	15 4		n.a.
M 9	22 27	24 59	3 32	24 28	1 34	12 27	3 28	11 22	2 54	15 16	1 18	23 50	0 7	12 41	0 22	15 34	1 39	28 29	15 47	22 28	22 16	15 1		n.a.
T 10	22 34	25 49	2 29	24 47	1 39	12 21	3 34	11 10	2 56	15 16	1 18	23 50	0 7	12 42	0 22	15 35	1 39	28 30	15 48	22 29	22 16	14 59		n.a.
W11	22 42	24 56	1 15	25 2	1 43	12 16	3 40	10 57	2 57	15 16	1 18	23 50	0 7	12 43	0 22	15 36	1 39	28 30	15 48	22 29	22 17	14 56		n.a.
T 12	22 49	22 20	0n 4	25 14	1 46	12 13	3 46	10 45	2 58	15 16	1 19	23 49	0 7	12 44	0 22	15 36	1 39	28 31	15 48	22 29	22 17	14 53		n.a.
F 13	22 55	18 18	1 22	25 24	1 49	12 10	3 51	10 33	3 0	15 16	1 19	23 49	0 8	12 45	0 22	15 37	1 39	28 31	15 49	22 29	22 18	14 51		n.a.
S 14	23 1	13 11	2 35	25 31	1 51	12 9	3 56	10 20	3 1	15 16	1 19	23 49	0 8	12 46	0 22	15 37	1 39	28 32	15 49	22 29	22 18	14 48		n.a.
S 15	23 7	7 24	3 38	25 36	1 52	12 8	4 0	10 8	3 3	15 16	1 20	23 49	0 8	12 47	0 22	15 38	1 39	28 32	15 50	22 29	22 19	14 45		n.a.
M16	23 12	1 20	4 26	25 38	1 53	12 9	4 4	9 56	3 4	15 16	1 20	23 49	0 8	12 47	0 22	15 38	1 39	28 33	15 50	22 29	22 19	14 43		n.a.
T 17	23 17	4n42	4 58	25 37	1 53	12 10	4 8	9 43	3 6	15 16	1 20	23 49	0 8	12 48	0 22	15 39	1 39	28 33	15 50	22 29	22 20	14 40		n.a.
W18	23 22	10 25	5 13	25 35	1 52	12 12	4 11	9 31	3 7	15 17	1 21	23 49	0 8	12 49	0 22	15 39	1 39	28 33	15 51	22 29	22 20	14 37		n.a.
T 19	23 26	15 32	5 9	25 30	1 51	12 15	4 14	9 19	3 9	15 17	1 21	23 49	0 8	12 50	0 22	15 40	1 40	28 34	15 51	22 29	22 21	14 35		n.a.
F 20	23 30	19 50	4 50	25 23	1 49	12 19	4 17	9 7	3 10	15 17	1 21	23 48	0 8	12 51	0 22	15 41	1 40	28 34	15 51	22 30	22 21	14 32		n.a.
S 21	23 33	23 5	4 15	25 14	1 47	12 24	4 19	8 55	3 11	15 18	1 22	23 48	0 8	12 52	0 22	15 41	1 40	28 35	15 52	22 30	22 21	14 29		n.a.
S 22	23 36	25 6	3 28	25 3	1 44	12 29	4 21	8 43	3 13	15 18	1 22	23 48	0 8	12 53	0 22	15 42	1 40	28 35	15 52	22 31	22 22	14 26		n.a.
M23	23 39	25 49	2 32	24 50	1 41	12 36	4 23	8 31	3 14	15 19	1 22	23 48	0 8	12 54	0 22	15 42	1 40	28 36	15 52	22 31	22 22	14 24		n.a.
T 24	23 41	25 14	1 29	24 36	1 37	12 42	4 24	8 20	3 16	15 20	1 23	23 48	0 8	12 55	0 22	15 43	1 40	28 36	15 53	22 31	22 23	14 21		n.a.
W25	23 42	23 26	0 24	24 20	1 32	12 50	4 25	8 8	3 17	15 20	1 23	23 47	0 9	12 55	0 22	15 43	1 40	28 37	15 53	22 32	22 23	14 18		n.a.
T 26	23 43	20 35	0s42	24 2	1 28	12 58	4 26	7 57	3 18	15 21	1 23	23 47	0 9	12 56	0 22	15 44	1 40	28 37	15 53	22 32	22 24	14 16		n.a.
F 27	23 44	16 55	1 46	23 44	1 22	13 6	4 27	7 45	3 20	15 22	1 24	23 47	0 9	12 57	0 22	15 44	1 40	28 38	15 54	22 31	22 24	14 13		n.a.
S 28	23 45	12 36	2 45	23 24	1 17	13 15	4 27	7 34	3 21	15 23	1 24	23 47	0 9	12 58	0 22	15 44	1 40	28 38	15 54	22 31	22 25	14 10		n.a.
S 29	23 45	7 50	3 37	23 3	1 10	13 25	4 27	7 22	3 23	15 24	1 24	23 46	0 9	12 59	0 22	15 45	1 40	28 39	15 54	22 31	22 25	14 7		n.a.
M30	23n44	2n46	4s20	22n40	1n 4	13n35	4s27	7s11	3s24	15s25	1s25	23n46	0n 9	12n59	0s22	15n45	1s40	28s39	15s55	22s31	22s26	14n 5		n.a.

Julian Day Number = 1571456.5, Delta T = 04h17m25s
Ecliptic obliquity = 23°44'45, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'33, Lahiri = - 9°37'32 Julian Calendar 1 June 411 BCE == Greg. Calendar 27 May 411 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

JULY 411 BCE (-410) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 13 55	2♋26'21	25♍ 2	25♋18	20♉14	20♓22	22°R47	5♋50	5♉ 0	17♉49	23°R48	18♏ 2	18♏37	15♌52	n.a.	T 1
W 2	18 17 51	3°23'44	7♎16	26°47	20°53	20°52	22♒44	5°58	5° 2	17°51	23♒47	18°R 2	18°34	15°59	n.a.	W 2
T 3	18 21 48	4°21'08	19°47	28°15	21°32	21°22	22°41	6° 5	5° 4	17°52	23°47	18° 2	18°31	16° 5	n.a.	T 3
F 4	18 25 44	5°18'33	2♏40	29°40	22°13	21°52	22°38	6°13	5° 6	17°54	23°46	18° 1	18°28	16°12	n.a.	F 4
S 5	18 29 41	6°15'59	15°58	1♌ 4	22°55	22°21	22°35	6°21	5° 8	17°56	23°45	17°59	18°24	16°19	n.a.	S 5
S 6	18 33 38	7°13'26	29°41	2°26	23°38	22°50	22°32	6°28	5°10	17°57	23°44	17°58	18°21	16°25	n.a.	S 6
M 7	18 37 34	8°10'54	13♐50	3°46	24°22	23°19	22°28	6°36	5°12	17°59	23°44	17°57	18°18	16°32	n.a.	M 7
T 8	18 41 31	9° 8'24	28°20	5° 5	25° 7	23°47	22°24	6°44	5°14	18° 0	23°43	17°56	18°15	16°39	n.a.	T 8
W 9	18 45 27	10° 5'54	13♑ 7	6°21	25°52	24°15	22°20	6°52	5°16	18° 2	23°42	17°D56	18°12	16°45	n.a.	W 9
T 10	18 49 24	11° 3'26	28° 4	7°35	26°39	24°43	22°16	6°59	5°18	18° 3	23°41	17°56	18° 9	16°52	n.a.	T 10
F 11	18 53 20	12° 0'59	13♒ 1	8°47	27°26	25°10	22°12	7° 7	5°20	18° 5	23°40	17°56	18° 5	16°59	n.a.	F 11
S 12	18 57 17	12°58'33	27°53	9°57	28°14	25°37	22° 8	7°15	5°22	18° 6	23°39	17°57	18° 2	17° 5	n.a.	S 12
S 13	19 1 13	13°56'09	12♓31	11° 4	29° 3	26° 3	22° 3	7°22	5°24	18° 8	23°39	17°57	17°59	17°12	n.a.	S 13
M14	19 5 10	14°53'47	26°51	12° 9	29°52	26°29	21°58	7°30	5°25	18° 9	23°38	17°57	17°56	17°19	n.a.	M14
T 15	19 9 7	15°51'26	10♈51	13°12	0♊43	26°54	21°53	7°38	5°27	18°11	23°37	17°R57	17°53	17°25	n.a.	T 15
W16	19 13 3	16°49'07	24°30	14°12	1°34	27°19	21°48	7°45	5°29	18°12	23°36	17°57	17°50	17°32	n.a.	W16
T 17	19 17 0	17°46'50	7♉49	15°10	2°25	27°43	21°43	7°53	5°30	18°13	23°35	17°D57	17°46	17°39	n.a.	T 17
F 18	19 20 56	18°44'35	20°49	16° 4	3°18	28° 7	21°38	8° 1	5°32	18°15	23°34	17°57	17°43	17°45	n.a.	F 18
S 19	19 24 53	19°42'22	3♊32	16°56	4°11	28°31	21°32	8° 8	5°33	18°16	23°33	17°58	17°40	17°52	n.a.	S 19
S 20	19 28 49	20°40'10	16° 0	17°44	5° 4	28°53	21°26	8°16	5°35	18°17	23°32	17°58	17°37	17°59	n.a.	S 20
M21	19 32 46	21°38'00	28°17	18°29	5°58	29°16	21°20	8°24	5°36	18°18	23°31	17°58	17°34	18° 5	n.a.	M21
T 22	19 36 42	22°35'52	10♋23	19°11	6°53	29°38	21°14	8°31	5°37	18°20	23°30	17°58	17°30	18°12	n.a.	T 22
W23	19 40 39	23°33'45	22°22	19°48	7°48	29°59	21° 8	8°39	5°39	18°21	23°29	17°R58	17°27	18°19	n.a.	W23
T 24	19 44 36	24°31'40	4♌15	20°22	8°44	0♈20	21° 2	8°46	5°40	18°22	23°28	17°58	17°24	18°25	n.a.	T 24
F 25	19 48 32	25°29'37	16° 4	20°52	9°40	0°40	20°56	8°54	5°41	18°23	23°27	17°57	17°21	18°32	n.a.	F 25
S 26	19 52 29	26°27'35	27°52	21°17	10°37	0°59	20°49	9° 1	5°42	18°24	23°26	17°56	17°18	18°39	n.a.	S 26
S 27	19 56 25	27°25'35	9♍42	21°37	11°34	1°18	20°42	9° 9	5°43	18°25	23°25	17°55	17°15	18°45	n.a.	S 27
M28	20 0 22	28°23'36	21°35	21°52	12°32	1°37	20°36	9°16	5°44	18°26	23°24	17°54	17°11	18°52	n.a.	M28
T 29	20 4 18	29°21'39	3♎37	22° 2	13°30	1°55	20°29	9°24	5°45	18°27	23°23	17°52	17° 8	18°59	n.a.	T 29
W30	20 8 15	0♌19'43	15°50	22°R 6	14°28	2°12	20°22	9°31	5°46	18°28	23°22	17°51	17° 5	19° 5	n.a.	W30
T 31	20 12 11	1♌17'49	28♎18	22♌ 5	15♊27	2♈28	20♒15	9♋38	5♉47	18♉29	23♒20	17°D51	17♏ 2	19♌12	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n43	2s27	4s52	22n17	0n57	13n45	4s27	7s 0	3s25	15s26	1s25	23n46	0n 9	13n 0	0s22	15n46	1s40	28s40	15s55	22s31	22s26	14n 2		n.a.
W 2	23 42	7 40	5 11	21 53	0 50	13 56	4 26	6 49	3 27	15 27	1 25	23 46	0 9	13 1	0 22	15 46	1 40	28 40	15 55	22 31	22 26	13 59		n.a.
T 3	23 40	12 42	5 17	21 28	0 42	14 7	4 25	6 39	3 28	15 28	1 26	23 45	0 9	13 2	0 22	15 47	1 40	28 41	15 55	22 31	22 27	13 56		n.a.
F 4	23 38	17 20	5 6	21 2	0 34	14 18	4 24	6 28	3 29	15 30	1 26	23 45	0 9	13 2	0 22	15 47	1 40	28 42	15 56	22 31	22 27	13 54		n.a.
S 5	23 36	21 17	4 40	20 36	0 26	14 30	4 23	6 17	3 31	15 31	1 26	23 45	0 9	13 3	0 22	15 48	1 40	28 42	15 56	22 31	22 28	13 51		n.a.
S 6	23 33	24 12	3 57	20 9	0 17	14 42	4 22	6 7	3 32	15 33	1 27	23 45	0 10	13 4	0 22	15 48	1 40	28 43	15 56	22 31	22 28	13 48		n.a.
M 7	23 29	25 42	2 58	19 42	0 9	14 54	4 20	5 57	3 33	15 34	1 27	23 44	0 10	13 4	0 22	15 48	1 40	28 43	15 57	22 31	22 29	13 45		n.a.
T 8	23 26	25 31	1 47	19 14	0s 0	15 6	4 19	5 47	3 35	15 36	1 27	23 44	0 10	13 5	0 23	15 49	1 40	28 44	15 57	22 32	22 29	13 43		n.a.
W 9	23 21	23 32	0 27	18 46	0 10	15 19	4 17	5 36	3 36	15 37	1 27	23 44	0 10	13 6	0 23	15 49	1 40	28 44	15 57	22 32	22 29	13 40		n.a.
T 10	23 17	19 54	0n56	18 18	0 19	15 32	4 15	5 27	3 37	15 39	1 28	23 43	0 10	13 6	0 23	15 50	1 40	28 45	15 57	22 32	22 30	13 37		n.a.
F 11	23 12	14 58	2 15	17 50	0 29	15 44	4 12	5 17	3 39	15 40	1 28	23 43	0 10	13 7	0 23	15 50	1 40	28 45	15 58	22 32	22 30	13 34		n.a.
S 12	23 6	9 10	3 24	17 21	0 39	15 57	4 10	5 7	3 40	15 42	1 28	23 43	0 10	13 7	0 23	15 50	1 40	28 46	15 58	22 32	22 31	13 32		n.a.
S 13	23 0	2 58	4 19	16 53	0 49	16 10	4 8	4 58	3 41	15 44	1 29	23 42	0 10	13 8	0 23	15 51	1 40	28 46	15 58	22 31	22 31	13 29		n.a.
M14	22 54	3n15	4 56	16 25	1 0	16 23	4 5	4 49	3 42	15 46	1 29	23 42	0 10	13 9	0 23	15 51	1 40	28 47	15 58	22 31	22 32	13 26		n.a.
T 15	22 47	9 10	5 15	15 57	1 10	16 36	4 2	4 40	3 44	15 48	1 29	23 42	0 10	13 9	0 23	15 51	1 40	28 48	15 59	22 31	22 32	13 23		n.a.
W16	22 40	14 29	5 16	15 29	1 21	16 50	4 0	4 31	3 45	15 50	1 29	23 41	0 10	13 10	0 23	15 52	1 40	28 48	15 59	22 31	22 32	13 21		n.a.
T 17	22 33	18 59	4 59	15 2	1 31	17 3	3 57	4 22	3 46	15 52	1 30	23 41	0 11	13 10	0 23	15 52	1 40	28 49	15 59	22 31	22 33	13 18		n.a.
F 18	22 25	22 28	4 27	14 36	1 42	17 16	3 54	4 14	3 47	15 54	1 30	23 41	0 11	13 11	0 23	15 52	1 40	28 49	15 59	22 31	22 33	13 15		n.a.
S 19	22 17	24 46	3 43	14 10	1 53	17 29	3 51	4 5	3 49	15 56	1 30	23 40	0 11	13 11	0 23	15 53	1 41	28 50	16 0	22 31	22 34	13 12		n.a.
S 20	22 8	25 47	2 48	13 45	2 4	17 41	3 47	3 57	3 50	15 58	1 31	23 40	0 11	13 12	0 23	15 53	1 41	28 50	16 0	22 31	22 34	13 10		n.a.
M21	21 59	25 31	1 47	13 20	2 15	17 54	3 44	3 49	3 51	16 0	1 31	23 39	0 11	13 12	0 23	15 53	1 41	28 51	16 0	22 31	22 35	13 7		n.a.
T 22	21 49	24 2	0 42	12 57	2 26	18 7	3 41	3 41	3 52	16 2	1 31	23 39	0 11	13 13	0 23	15 54	1 41	28 51	16 0	22 31	22 35	13 4		n.a.
W23	21 40	21 28	0s24	12 35	2 37	18 19	3 37	3 34	3 53	16 4	1 31	23 39	0 11	13 13	0 23	15 54	1 41	28 52	16 1	22 31	22 35	13 1		n.a.
T 24	21 29	18 0	1 29	12 14	2 47	18 32	3 33	3 27	3 54	16 7	1 31	23 38	0 11	13 13	0 23	15 54	1 41	28 52	16 1	22 31	22 36	12 58		n.a.
F 25	21 19	13 50	2 30	11 55	2 58	18 44	3 30	3 19	3 55	16 9	1 32	23 38	0 11	13 14	0 23	15 54	1 41	28 53	16 1	22 31	22 36	12 56		n.a.
S 26	21 8	9 11	3 24	11 37	3 8	18 56	3 26	3 13	3 57	16 11	1 32	23 37	0 11	13 14	0 23	15 55	1 41	28 54	16 1	22 32	22 37	12 53		n.a.
S 27	20 56	4 11	4 9	11 21	3 18	19 7	3 22	3 6	3 58	16 14	1 32	23 37	0 11	13 14	0 23	15 55	1 41	28 54	16 1	22 32	22 37	12 50		n.a.
M28	20 45	0s58	4 44	11 8	3 28	19 19	3 18	2 59	3 59	16 16	1 32	23 37	0 12	13 15	0 23	15 55	1 41	28 55	16 1	22 32	22 37	12 47		n.a.
T 29	20 33	6 8	5 7	10 56	3 37	19 30	3 14	2 53	4 0	16 19	1 33	23 36	0 12	13 15	0 23	15 55	1 41	28 55	16 2	22 32	22 38	12 45		n.a.
W30	20 20	11 9	5 16	10 46	3 45	19 41	3 10	2 47	4 1	16 21	1 33	23 36	0 12	13 15	0 23	15 56	1 41	28 56	16 2	22 32	22 38	12 42		n.a.
T 31	20n 8	15s50	5s11	10n39	3s53	19n51	3s 6	2s42	4s 2	16s23	1s33	23n35	0n12	13n16	0s23	15n56	1s41	28s56	16s 2	22s32	22s39	12n39		n.a.

Julian Day Number = 1571486.5, Delta T = 04h17m24s
Ecliptic obliquity = 23°44'44, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'28, Lahiri = - 9°37'28 Julian Calendar 1 July 411 BCE == Greg. Calendar 26 June 411 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

AUGUST 411 BCE (-410) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 16 8	2♌15'56	11♏ 6	21°R57	16♊26	2♈44	20°R 7	9♋46	5♉48	18♉30	23°R19	17♑51	16♑59	19♌19	n.a.	F 1
S 2	20 20 5	3°14'05	24°18	21♌43	17°26	2°59	20♒ 0	9°53	5°49	18°31	23♒18	17°52	16°55	19°25	n.a.	S 2
S 3	20 24 1	4°12'16	7♐55	21°23	18°26	3°14	19°53	10° 0	5°50	18°32	23°17	17°53	16°52	19°32	n.a.	S 3
M 4	20 27 58	5°10'28	21°59	20°57	19°27	3°27	19°45	10° 8	5°50	18°32	23°16	17°54	16°49	19°39	n.a.	M 4
T 5	20 31 54	6° 8'42	6♑29	20°24	20°28	3°40	19°38	10°15	5°51	18°33	23°15	17°55	16°46	19°45	n.a.	T 5
W 6	20 35 51	7° 6'58	21°21	19°46	21°29	3°53	19°30	10°22	5°52	18°34	23°14	17°R55	16°43	19°52	n.a.	W 6
T 7	20 39 47	8° 5'16	6♒28	19° 1	22°30	4° 4	19°23	10°29	5°52	18°35	23°13	17°55	16°40	19°59	n.a.	T 7
F 8	20 43 44	9° 3'35	21°41	18°11	23°32	4°15	19°15	10°36	5°53	18°35	23°11	17°53	16°36	20° 5	n.a.	F 8
S 9	20 47 40	10° 1'56	6♓51	17°17	24°34	4°25	19° 7	10°43	5°53	18°36	23°10	17°50	16°33	20°12	n.a.	S 9
S 10	20 51 37	11° 0'20	21°48	16°20	25°37	4°35	18°59	10°50	5°54	18°37	23° 9	17°47	16°30	20°19	n.a.	S 10
M11	20 55 34	11°58'45	6♈24	15°19	26°40	4°43	18°51	10°58	5°54	18°37	23° 8	17°44	16°27	20°25	n.a.	M11
T 12	20 59 30	12°57'13	20°36	14°18	27°43	4°51	18°43	11° 4	5°54	18°38	23° 7	17°42	16°24	20°32	n.a.	T 12
W13	21 3 27	13°55'43	4♉20	13°16	28°46	4°58	18°36	11°11	5°54	18°38	23° 5	17°40	16°21	20°39	n.a.	W13
T 14	21 7 23	14°54'16	17°38	12°16	29°50	5° 4	18°28	11°18	5°55	18°39	23° 4	17°D40	16°17	20°45	n.a.	T 14
F 15	21 11 20	15°52'51	0♊32	11°19	0♋54	5°10	18°20	11°25	5°55	18°39	23° 3	17°41	16°14	20°52	n.a.	F 15
S 16	21 15 16	16°51'28	13° 5	10°27	1°59	5°14	18°12	11°32	5°55	18°40	23° 2	17°42	16°11	20°59	n.a.	S 16
S 17	21 19 13	17°50'08	25°23	9°40	3° 3	5°18	18° 4	11°39	5°R55	18°40	23° 1	17°44	16° 8	21° 5	n.a.	S 17
M18	21 23 9	18°48'50	7♋28	9° 0	4° 8	5°20	17°56	11°45	5°55	18°40	22°59	17°45	16° 5	21°12	n.a.	M18
T 19	21 27 6	19°47'34	19°24	8°28	5°13	5°22	17°48	11°52	5°55	18°41	22°58	17°R46	16° 1	21°19	n.a.	T 19
W20	21 31 3	20°46'20	1♌16	8° 5	6°18	5°23	17°40	11°59	5°55	18°41	22°57	17°45	15°58	21°25	n.a.	W20
T 21	21 34 59	21°45'08	13° 4	7°51	7°24	5°R23	17°32	12° 5	5°55	18°41	22°56	17°42	15°55	21°32	n.a.	T 21
F 22	21 38 56	22°43'59	24°53	7°D47	8°30	5°23	17°24	12°12	5°54	18°41	22°55	17°38	15°52	21°39	n.a.	F 22
S 23	21 42 52	23°42'52	6♍43	7°53	9°36	5°21	17°16	12°18	5°54	18°42	22°53	17°32	15°49	21°45	n.a.	S 23
S 24	21 46 49	24°41'46	18°37	8° 9	10°42	5°18	17° 8	12°25	5°54	18°42	22°52	17°25	15°46	21°52	n.a.	S 24
M25	21 50 45	25°40'43	0♎36	8°34	11°49	5°15	17° 0	12°31	5°53	18°42	22°51	17°18	15°42	21°59	n.a.	M25
T 26	21 54 42	26°39'41	12°42	9° 9	12°55	5°10	16°52	12°37	5°53	18°42	22°50	17°11	15°39	22° 5	n.a.	T 26
W27	21 58 38	27°38'42	24°59	9°53	14° 2	5° 5	16°44	12°43	5°53	18°42	22°48	17° 6	15°36	22°12	n.a.	W27
T 28	22 2 35	28°37'45	7♏28	10°45	15°10	4°59	16°37	12°50	5°52	18°R42	22°47	17° 2	15°33	22°19	n.a.	T 28
F 29	22 6 31	29°36'49	20°13	11°45	16°17	4°52	16°29	12°56	5°51	18°42	22°46	17° 0	15°30	22°25	n.a.	F 29
S 30	22 10 28	0♍35'55	3♐18	12°51	17°24	4°44	16°22	13° 2	5°51	18°42	22°45	16°D59	15°27	22°32	n.a.	S 30
S 31	22 14 25	1♍35'04	16♐45	14♌ 4	18♋32	4♈35	16♒14	13♋ 8	5♉50	18♉42	22♒44	17♑ 0	15♑23	22♌39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	19n54	19s57	4s51	10n35	4s 0	20n 2	3s 2	2s36	4s 3	16s26	1s33	23n35	0n12	13n16	0s23	15n56	1s41	28s57	16s 2	22s32	22s39	12n36		n.a.
S 2	19 41	23 12	4 15	10 34	4 6	20 12	2 58	2 31	4 3	16 28	1 33	23 34	0 12	13 16	0 23	15 56	1 41	28 57	16 2	22 32	22 40	12 33		n.a.
S 3	19 27	25 15	3 24	10 35	4 11	20 21	2 54	2 26	4 4	16 31	1 34	23 34	0 12	13 17	0 23	15 56	1 41	28 58	16 2	22 32	22 40	12 31		n.a.
M 4	19 13	25 48	2 19	10 40	4 15	20 30	2 49	2 21	4 5	16 34	1 34	23 33	0 12	13 17	0 23	15 57	1 41	28 58	16 3	22 32	22 40	12 28		n.a.
T 5	18 59	24 38	1 3	10 48	4 18	20 39	2 45	2 17	4 6	16 36	1 34	23 33	0 12	13 17	0 23	15 57	1 41	28 59	16 3	22 32	22 41	12 25		n.a.
W 6	18 44	21 43	0n19	10 59	4 19	20 48	2 41	2 12	4 7	16 39	1 34	23 32	0 12	13 17	0 23	15 57	1 41	29 0	16 3	22 32	22 41	12 22		n.a.
T 7	18 29	17 16	1 41	11 14	4 18	20 56	2 36	2 8	4 8	16 41	1 34	23 32	0 13	13 17	0 23	15 57	1 41	29 0	16 3	22 32	22 42	12 19		n.a.
F 8	18 13	11 41	2 56	11 31	4 15	21 4	2 32	2 5	4 8	16 44	1 34	23 32	0 13	13 18	0 23	15 57	1 41	29 1	16 3	22 32	22 42	12 17		n.a.
S 9	17 57	5 26	3 58	11 52	4 11	21 11	2 27	2 1	4 9	16 46	1 34	23 31	0 13	13 18	0 23	15 57	1 42	29 1	16 3	22 32	22 42	12 14		n.a.
S 10	17 41	1n 2	4 43	12 16	4 4	21 18	2 23	1 58	4 10	16 49	1 35	23 31	0 13	13 18	0 23	15 57	1 42	29 2	16 3	22 33	22 43	12 11		n.a.
M11	17 25	7 17	5 8	12 41	3 56	21 24	2 18	1 55	4 10	16 52	1 35	23 30	0 13	13 18	0 23	15 58	1 42	29 2	16 3	22 33	22 43	12 8		n.a.
T 12	17 8	12 59	5 14	13 9	3 46	21 30	2 14	1 53	4 11	16 54	1 35	23 30	0 13	13 18	0 23	15 58	1 42	29 3	16 3	22 33	22 43	12 5		n.a.
W13	16 52	17 50	5 1	13 39	3 33	21 35	2 9	1 50	4 11	16 57	1 35	23 29	0 13	13 18	0 23	15 58	1 42	29 3	16 4	22 34	22 44	12 3		n.a.
T 14	16 34	21 40	4 33	14 9	3 19	21 40	2 4	1 48	4 12	17 0	1 35	23 29	0 13	13 18	0 23	15 58	1 42	29 4	16 4	22 34	22 44	12 0		n.a.
F 15	16 17	24 17	3 51	14 40	3 4	21 45	2 0	1 47	4 12	17 2	1 35	23 28	0 13	13 18	0 23	15 58	1 42	29 4	16 4	22 34	22 45	11 57		n.a.
S 16	15 59	25 37	2 59	15 10	2 47	21 49	1 55	1 45	4 13	17 5	1 35	23 28	0 13	13 18	0 23	15 58	1 42	29 5	16 4	22 33	22 45	11 54		n.a.
S 17	15 41	25 39	2 0	15 40	2 29	21 52	1 51	1 44	4 13	17 7	1 35	23 27	0 14	13 18	0 23	15 58	1 42	29 5	16 4	22 33	22 45	11 51		n.a.
M18	15 23	24 28	0 56	16 9	2 10	21 55	1 46	1 43	4 13	17 10	1 35	23 27	0 14	13 18	0 23	15 58	1 42	29 6	16 4	22 33	22 46	11 48		n.a.
T 19	15 4	22 10	0s 9	16 36	1 51	21 57	1 41	1 43	4 13	17 12	1 35	23 26	0 14	13 18	0 23	15 58	1 42	29 6	16 4	22 33	22 46	11 46		n.a.
W20	14 45	18 57	1 13	17 1	1 31	21 59	1 37	1 42	4 14	17 15	1 36	23 26	0 14	13 18	0 23	15 58	1 42	29 6	16 4	22 33	22 47	11 43		n.a.
T 21	14 26	14 58	2 14	17 23	1 12	22 0	1 32	1 42	4 14	17 18	1 36	23 25	0 14	13 18	0 23	15 58	1 42	29 7	16 4	22 33	22 47	11 40		n.a.
F 22	14 7	10 26	3 9	17 42	0 53	22 1	1 28	1 43	4 14	17 20	1 36	23 25	0 14	13 18	0 23	15 58	1 42	29 7	16 4	22 34	22 47	11 37		n.a.
S 23	13 47	5 31	3 55	17 59	0 34	22 1	1 23	1 43	4 14	17 23	1 36	23 24	0 14	13 18	0 23	15 58	1 42	29 8	16 4	22 35	22 48	11 34		n.a.
S 24	13 27	0 24	4 32	18 12	0 17	22 0	1 18	1 44	4 13	17 25	1 36	23 24	0 14	13 18	0 23	15 58	1 42	29 8	16 4	22 36	22 48	11 31		n.a.
M25	13 7	4s46	4 57	18 21	0n 0	21 59	1 14	1 45	4 13	17 27	1 36	23 23	0 14	13 18	0 23	15 58	1 42	29 9	16 4	22 37	22 48	11 29		n.a.
T 26	12 47	9 48	5 9	18 27	0 16	21 57	1 9	1 47	4 13	17 30	1 36	23 23	0 14	13 17	0 23	15 58	1 42	29 9	16 4	22 37	22 49	11 26		n.a.
W27	12 27	14 32	5 7	18 29	0 31	21 55	1 5	1 49	4 13	17 32	1 36	23 22	0 15	13 17	0 23	15 58	1 42	29 10	16 4	22 38	22 49	11 23		n.a.
T 28	12 6	18 45	4 50	18 28	0 44	21 52	1 0	1 51	4 12	17 35	1 36	23 22	0 15	13 17	0 23	15 58	1 43	29 10	16 4	22 39	22 50	11 20		n.a.
F 29	11 45	22 11	4 20	18 23	0 56	21 49	0 56	1 53	4 12	17 37	1 36	23 21	0 15	13 17	0 23	15 58	1 43	29 10	16 4	22 39	22 50	11 17		n.a.
S 30	11 24	24 35	3 34	18 15	1 7	21 45	0 51	1 56	4 11	17 39	1 36	23 21	0 15	13 17	0 23	15 58	1 43	29 11	16 4	22 39	22 50	11 14		n.a.
S 31	11n 3	25s40	2s36	18n 3	1n17	21n40	0s47	1s58	4s10	17s41	1s36	23n20	0n15	13n16	0s23	15n58	1s43	29s11	16s 4	22s39	22s51	11n12		n.a.

Julian Day Number = 1571517.5, Delta T = 04h17m22s
Ecliptic obliquity = 23°44'44, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'24, Lahiri = - 9°37'24 Julian Calendar 1 Aug. 411 BCE == Greg. Calendar 27 July 411 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

SEPTEMBER 411 BCE (-410) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 18 21	2♍34'14	0♑37	15♌23	19♋40	4°R26	16°R 7	13♋14	5°R49	18°R42	22°R42	17♑ 1	15♑20	22♌45	n.a.	M 1
T 2	22 22 18	3°33'26	14°55	16°47	20°48	4♈15	16♒ 0	13°20	5♉49	18♉42	22♒41	17°R 2	15°17	22°52	n.a.	T 2
W 3	22 26 14	4°32'40	29°36	18°14	21°56	4° 4	15°52	13°25	5°48	18°41	22°40	17° 1	15°14	22°59	n.a.	W 3
T 4	22 30 11	5°31'56	14♒38	19°46	23° 5	3°52	15°45	13°31	5°47	18°41	22°39	16°59	15°11	23° 6	n.a.	T 4
F 5	22 34 7	6°31'14	29°51	21°20	24°14	3°39	15°38	13°37	5°46	18°41	22°38	16°54	15° 7	23°12	n.a.	F 5
S 6	22 38 4	7°30'33	15♓ 6	22°58	25°22	3°25	15°31	13°42	5°45	18°41	22°37	16°47	15° 4	23°19	n.a.	S 6
S 7	22 42 0	8°29'55	0♈13	24°37	26°31	3°11	15°25	13°48	5°44	18°40	22°35	16°39	15° 1	23°26	n.a.	S 7
M 8	22 45 57	9°29'20	15° 1	26°17	27°40	2°56	15°18	13°53	5°43	18°40	22°34	16°31	14°58	23°32	n.a.	M 8
T 9	22 49 54	10°28'46	29°23	27°59	28°50	2°40	15°11	13°59	5°42	18°40	22°33	16°24	14°55	23°39	n.a.	T 9
W10	22 53 50	11°28'16	13♉17	29°42	29°59	2°24	15° 5	14° 4	5°41	18°39	22°32	16°18	14°52	23°46	n.a.	W10
T 11	22 57 47	12°27'47	26°40	1♍26	1♌ 9	2° 7	14°59	14° 9	5°40	18°39	22°31	16°15	14°48	23°52	n.a.	T 11
F 12	23 1 43	13°27'21	9♊36	3°10	2°19	1°49	14°53	14°15	5°38	18°38	22°30	16°D14	14°45	23°59	n.a.	F 12
S 13	23 5 40	14°26'58	22° 9	4°54	3°29	1°31	14°47	14°20	5°37	18°38	22°29	16°14	14°42	24° 6	n.a.	S 13
S 14	23 9 36	15°26'37	4♋23	6°39	4°39	1°13	14°41	14°25	5°36	18°37	22°27	16°15	14°39	24°12	n.a.	S 14
M15	23 13 33	16°26'18	16°23	8°23	5°49	0°53	14°35	14°30	5°34	18°37	22°26	16°R15	14°36	24°19	n.a.	M15
T 16	23 17 29	17°26'01	28°15	10° 7	7° 0	0°34	14°30	14°34	5°33	18°36	22°25	16°14	14°33	24°26	n.a.	T 16
W17	23 21 26	18°25'47	10♌ 3	11°51	8°10	0°14	14°24	14°39	5°32	18°35	22°24	16°11	14°29	24°32	n.a.	W17
T 18	23 25 22	19°25'35	21°51	13°35	9°21	29♓54	14°19	14°44	5°30	18°35	22°23	16° 6	14°26	24°39	n.a.	T 18
F 19	23 29 19	20°25'25	3♍41	15°18	10°32	29°33	14°14	14°49	5°29	18°34	22°22	15°57	14°23	24°46	n.a.	F 19
S 20	23 33 16	21°25'18	15°36	17° 0	11°42	29°13	14° 9	14°53	5°27	18°33	22°21	15°47	14°20	24°52	n.a.	S 20
S 21	23 37 12	22°25'12	27°38	18°43	12°54	28°52	14° 4	14°58	5°25	18°32	22°20	15°34	14°17	24°59	n.a.	S 21
M22	23 41 9	23°25'09	9♎47	20°24	14° 5	28°31	14° 0	15° 2	5°24	18°32	22°19	15°21	14°13	25° 6	n.a.	M22
T 23	23 45 5	24°25'07	22° 5	22° 5	15°16	28°10	13°55	15° 6	5°22	18°31	22°18	15° 9	14°10	25°12	n.a.	T 23
W24	23 49 2	25°25'08	4♏33	23°46	16°27	27°48	13°51	15°10	5°20	18°30	22°17	14°58	14° 7	25°19	n.a.	W24
T 25	23 52 58	26°25'10	17°11	25°26	17°39	27°27	13°47	15°14	5°18	18°29	22°16	14°49	14° 4	25°26	n.a.	T 25
F 26	23 56 55	27°25'14	0♐ 1	27° 6	18°51	27° 6	13°43	15°18	5°17	18°28	22°15	14°43	14° 1	25°32	n.a.	F 26
S 27	0 0 51	28°25'20	13° 7	28°45	20° 2	26°46	13°40	15°22	5°15	18°27	22°14	14°40	13°58	25°39	n.a.	S 27
S 28	0 4 48	29°25'27	26°29	0♎23	21°14	26°25	13°36	15°26	5°13	18°26	22°13	14°D40	13°54	25°46	n.a.	S 28
M29	0 8 45	0♎25'37	10♑10	2° 1	22°26	26° 5	13°33	15°30	5°11	18°25	22°12	14°R40	13°51	25°52	n.a.	M29
T 30	0 12 41	1♎25'47	24♑13	3♎39	23♌38	25♓45	13♒30	15♋33	5♉ 9	18♉24	22♒11	14♑39	13♑48	25♌59	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	10n41	25s12	1s28	17n48	1n26	21n35	0s43	2s 2	4s 9	17s44	1s36	23n20	0n15	13n16	0s23	15n58	1s43	29s11	16s 4	22s39	22s51	11n 9		n.a.	M 1
T 2	10 20	23 5	0 11	17 29	1 33	21 29	0 38	2 5	4 8	17 46	1 36	23 19	0 15	13 16	0 23	15 58	1 43	29 12	16 4	22 39	22 51	11 6		n.a.	T 2
W 3	9 58	19 24	1n 7	17 8	1 39	21 23	0 34	2 9	4 7	17 48	1 36	23 19	0 15	13 16	0 23	15 58	1 43	29 12	16 4	22 39	22 52	11 3		n.a.	W 3
T 4	9 36	14 22	2 23	16 44	1 45	21 15	0 30	2 12	4 6	17 50	1 35	23 18	0 15	13 15	0 23	15 57	1 43	29 13	16 4	22 39	22 52	11 0		n.a.	T 4
F 5	9 14	8 24	3 30	16 17	1 49	21 8	0 25	2 16	4 5	17 52	1 35	23 18	0 16	13 15	0 23	15 57	1 43	29 13	16 4	22 40	22 53	10 57		n.a.	F 5
S 6	8 52	1 56	4 21	15 48	1 52	21 0	0 21	2 21	4 4	17 54	1 35	23 17	0 16	13 15	0 23	15 57	1 43	29 13	16 4	22 41	22 53	10 55		n.a.	S 6
S 7	8 29	4n34	4 54	15 16	1 54	20 51	0 17	2 25	4 2	17 56	1 35	23 17	0 16	13 14	0 23	15 57	1 43	29 14	16 3	22 42	22 53	10 52		n.a.	S 7
M 8	8 7	10 41	5 6	14 43	1 55	20 41	0 13	2 30	4 1	17 58	1 35	23 16	0 16	13 14	0 23	15 57	1 43	29 14	16 3	22 43	22 54	10 49		n.a.	M 8
T 9	7 44	16 2	4 59	14 8	1 56	20 31	0 9	2 34	3 59	18 0	1 35	23 16	0 16	13 14	0 23	15 57	1 43	29 14	16 3	22 43	22 54	10 46		n.a.	T 9
W10	7 21	20 22	4 33	13 31	1 56	20 20	0 5	2 39	3 57	18 2	1 35	23 16	0 16	13 13	0 23	15 57	1 43	29 15	16 3	22 44	22 54	10 43		n.a.	W10
T 11	6 58	23 27	3 54	12 53	1 55	20 9	0 1	2 45	3 56	18 4	1 35	23 15	0 16	13 13	0 23	15 56	1 43	29 15	16 3	22 45	22 55	10 40		n.a.	T 11
F 12	6 35	25 12	3 3	12 14	1 53	19 57	0n 3	2 50	3 54	18 5	1 35	23 15	0 16	13 12	0 23	15 56	1 43	29 15	16 3	22 45	22 55	10 37		n.a.	F 12
S 13	6 12	25 36	2 6	11 33	1 51	19 45	0 7	2 55	3 51	18 7	1 35	23 14	0 16	13 12	0 23	15 56	1 43	29 15	16 3	22 45	22 55	10 35		n.a.	S 13
S 14	5 49	24 44	1 3	10 52	1 49	19 31	0 11	3 1	3 49	18 9	1 35	23 14	0 17	13 11	0 23	15 56	1 43	29 16	16 3	22 45	22 56	10 32		n.a.	S 14
M15	5 25	22 43	0s 1	10 9	1 46	19 18	0 15	3 6	3 47	18 10	1 34	23 13	0 17	13 11	0 23	15 56	1 43	29 16	16 3	22 45	22 56	10 29		n.a.	M15
T 16	5 2	19 44	1 4	9 26	1 42	19 4	0 19	3 12	3 45	18 12	1 34	23 13	0 17	13 11	0 23	15 55	1 43	29 16	16 2	22 45	22 56	10 26		n.a.	T 16
W17	4 38	15 58	2 4	8 43	1 38	18 49	0 22	3 18	3 42	18 13	1 34	23 13	0 17	13 10	0 23	15 55	1 43	29 16	16 2	22 45	22 57	10 23		n.a.	W17
T 18	4 14	11 36	2 58	7 59	1 34	18 33	0 26	3 23	3 39	18 15	1 34	23 12	0 17	13 10	0 23	15 55	1 44	29 17	16 2	22 46	22 57	10 20		n.a.	T 18
F 19	3 50	6 48	3 45	7 14	1 29	18 18	0 29	3 29	3 37	18 16	1 34	23 12	0 17	13 9	0 23	15 55	1 44	29 17	16 2	22 47	22 57	10 17		n.a.	F 19
S 20	3 27	1 44	4 22	6 29	1 25	18 1	0 33	3 35	3 34	18 17	1 34	23 11	0 17	13 8	0 23	15 55	1 44	29 17	16 2	22 48	22 58	10 15		n.a.	S 20
S 21	3 3	3s26	4 47	5 44	1 19	17 44	0 36	3 41	3 31	18 18	1 34	23 11	0 17	13 8	0 23	15 54	1 44	29 17	16 2	22 49	22 58	10 12		n.a.	S 21
M22	2 39	8 31	5 0	4 59	1 14	17 27	0 39	3 46	3 28	18 20	1 33	23 11	0 18	13 7	0 23	15 54	1 44	29 18	16 1	22 51	22 59	10 9		n.a.	M22
T 23	2 15	13 20	5 0	4 13	1 9	17 9	0 43	3 52	3 25	18 21	1 33	23 10	0 18	13 7	0 23	15 54	1 44	29 18	16 1	22 52	22 59	10 6		n.a.	T 23
W24	1 51	17 39	4 45	3 28	1 3	16 50	0 46	3 58	3 22	18 22	1 33	23 10	0 18	13 6	0 23	15 53	1 44	29 18	16 1	22 54	22 59	10 3		n.a.	W24
T 25	1 26	21 15	4 16	2 42	0 57	16 31	0 49	4 3	3 18	18 23	1 33	23 10	0 18	13 6	0 23	15 53	1 44	29 18	16 1	22 55	23 0	10 0		n.a.	T 25
F 26	1 2	23 53	3 33	1 57	0 51	16 11	0 52	4 8	3 15	18 24	1 33	23 9	0 18	13 5	0 23	15 53	1 44	29 18	16 1	22 55	23 0	9 57		n.a.	F 26
S 27	0 38	25 17	2 39	1 11	0 45	15 51	0 55	4 14	3 12	18 25	1 33	23 9	0 18	13 4	0 23	15 53	1 44	29 18	16 1	22 56	23 0	9 54		n.a.	S 27
S 28	0 14	25 17	1 35	0 26	0 38	15 31	0 58	4 19	3 8	18 26	1 32	23 9	0 18	13 4	0 23	15 52	1 44	29 19	16 0	22 56	23 1	9 52		n.a.	S 28
M29	0s10	23 45	0 24	0s19	0 32	15 10	1 1	4 24	3 5	18 26	1 32	23 8	0 18	13 3	0 23	15 52	1 44	29 19	16 0	22 56	23 1	9 49		n.a.	M29
T 30	0s35	20s43	0n50	1s 5	0n26	14n49	1n 3	4s28	3s 1	18s27	1s32	23n 8	0n19	13n 2	0s23	15n52	1s44	29s19	16s 0	22s56	23s 1	9n46		n.a.	T 30

Julian Day Number = 1571548.5, Delta T = 04h17m21s
Ecliptic obliquity = 23°44'45, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'20, Lahiri = - 9°37'20 Julian Calendar 1 Sept. 411 BCE == Greg. Calendar 27 Aug. 411 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

OCTOBER 411 BCE (-410) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 16 38	2♎26'00	8♒36	5♎16	24♌50	25°R25	13°R27	15♋37	5°R 7	18°R23	22°R10	14°R38	13♑45	26♌ 6	n.a.	W 1
T 2	0 20 34	3°26'14	23°19	6°52	26° 3	25♓ 6	13♒25	15°40	5♉ 5	18♉22	22♒10	14♑33	13°42	26°13	n.a.	T 2
F 3	0 24 31	4°26'29	8♓15	8°28	27°15	24°47	13°22	15°44	5° 3	18°21	22° 9	14°26	13°38	26°19	n.a.	F 3
S 4	0 28 27	5°26'47	23°17	10° 4	28°27	24°29	13°20	15°47	5° 1	18°20	22° 8	14°17	13°35	26°26	n.a.	S 4
S 5	0 32 24	6°27'06	8♈16	11°39	29°40	24°11	13°18	15°50	4°59	18°19	22° 7	14° 5	13°32	26°33	n.a.	S 5
M 6	0 36 20	7°27'27	23° 2	13°14	0♍53	23°53	13°16	15°53	4°57	18°17	22° 6	13°53	13°29	26°39	n.a.	M 6
T 7	0 40 17	8°27'49	7♉27	14°49	2° 5	23°36	13°14	15°56	4°54	18°16	22° 5	13°42	13°26	26°46	n.a.	T 7
W 8	0 44 13	9°28'14	21°25	16°23	3°18	23°20	13°13	15°59	4°52	18°15	22° 5	13°33	13°23	26°53	n.a.	W 8
T 9	0 48 10	10°28'41	4♊54	17°57	4°31	23° 5	13°12	16° 2	4°50	18°14	22° 4	13°27	13°19	26°59	n.a.	T 9
F 10	0 52 7	11°29'10	17°55	19°30	5°44	22°50	13°11	16° 4	4°48	18°12	22° 3	13°23	13°16	27° 6	n.a.	F 10
S 11	0 56 3	12°29'41	0♋32	21° 3	6°57	22°36	13°10	16° 7	4°45	18°11	22° 3	13°22	13°13	27°13	n.a.	S 11
S 12	1 0 0	13°30'14	12°48	22°36	8°10	22°22	13° 9	16° 9	4°43	18°10	22° 2	13°22	13°10	27°19	n.a.	S 12
M13	1 3 56	14°30'48	24°49	24° 9	9°24	22° 9	13° 9	16°12	4°41	18° 9	22° 1	13°22	13° 7	27°26	n.a.	M13
T 14	1 7 53	15°31'25	6♌41	25°41	10°37	21°57	13° 9	16°14	4°39	18° 7	22° 1	13°20	13° 4	27°33	n.a.	T 14
W15	1 11 49	16°32'03	18°29	27°13	11°50	21°46	13°D 9	16°16	4°36	18° 6	22° 0	13°17	13° 0	27°39	n.a.	W15
T 16	1 15 46	17°32'43	0♍18	28°45	13° 4	21°35	13° 9	16°18	4°34	18° 4	21°59	13°11	12°57	27°46	n.a.	T 16
F 17	1 19 42	18°33'25	12°11	0♏16	14°17	21°26	13° 9	16°20	4°31	18° 3	21°59	13° 2	12°54	27°53	n.a.	F 17
S 18	1 23 39	19°34'09	24°13	1°47	15°31	21°17	13°10	16°22	4°29	18° 2	21°58	12°50	12°51	27°59	n.a.	S 18
S 19	1 27 36	20°34'54	6♎24	3°18	16°45	21° 9	13°11	16°23	4°27	18° 0	21°58	12°36	12°48	28° 6	n.a.	S 19
M20	1 31 32	21°35'41	18°47	4°48	17°58	21° 1	13°12	16°25	4°24	17°59	21°57	12°22	12°44	28°13	n.a.	M20
T 21	1 35 29	22°36'29	1♏21	6°19	19°12	20°55	13°13	16°26	4°22	17°57	21°57	12° 8	12°41	28°19	n.a.	T 21
W22	1 39 25	23°37'19	14° 6	7°49	20°26	20°49	13°14	16°28	4°19	17°56	21°56	11°56	12°38	28°26	n.a.	W22
T 23	1 43 22	24°38'10	27° 2	9°18	21°40	20°44	13°16	16°29	4°17	17°54	21°56	11°46	12°35	28°33	n.a.	T 23
F 24	1 47 18	25°39'02	10♐ 9	10°48	22°54	20°40	13°18	16°30	4°14	17°53	21°55	11°39	12°32	28°40	n.a.	F 24
S 25	1 51 15	26°39'55	23°27	12°16	24° 8	20°37	13°20	16°31	4°12	17°51	21°55	11°36	12°29	28°46	n.a.	S 25
S 26	1 55 11	27°40'50	6♑56	13°45	25°22	20°35	13°22	16°32	4° 9	17°49	21°54	11°D35	12°25	28°53	n.a.	S 26
M27	1 59 8	28°41'45	20°37	15°13	26°36	20°33	13°25	16°33	4° 7	17°48	21°54	11°35	12°22	29° 0	n.a.	M27
T 28	2 3 5	29°42'41	4♒32	16°40	27°50	20°D33	13°27	16°33	4° 4	17°46	21°54	11°R35	12°19	29° 6	n.a.	T 28
W29	2 7 1	0♏43'39	18°41	18° 6	29° 4	20°33	13°30	16°34	4° 2	17°45	21°53	11°34	12°16	29°13	n.a.	W29
T 30	2 10 58	1°44'36	3♓ 2	19°32	0♎19	20°34	13°33	16°35	3°59	17°43	21°53	11°30	12°13	29°20	n.a.	T 30
F 31	2 14 54	2♏45'35	17♓34	20♏57	1♎33	20♓35	13♒36	16♋35	3♉57	17♉41	21♒53	11♑24	12♑10	29♌26	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	0s59	16s22	2n 3	1s49	0n19	14n27	1n 6	4s33	2s57	18s28	1s32	23n 8	0n19	13n 2	0s23	15n51	1s44	29s19	16s 0	22s56	23s 2	9n43			n.a.
T 2	1 23	10 57	3 9	2 34	0 13	14 4	1 9	4 37	2 54	18 28	1 32	23 7	0 19	13 1	0 23	15 51	1 44	29 19	15 59	22 56	23 2	9 40			n.a.
F 3	1 47	4 50	4 3	3 19	0 6	13 42	1 11	4 41	2 50	18 29	1 31	23 7	0 19	13 0	0 23	15 51	1 44	29 19	15 59	22 57	23 2	9 37			n.a.
S 4	2 11	1n36	4 41	4 3	0s 1	13 18	1 14	4 45	2 46	18 29	1 31	23 7	0 19	13 0	0 23	15 50	1 44	29 19	15 59	22 58	23 3	9 34			n.a.
S 5	2 36	7 53	4 59	4 47	0 7	12 55	1 16	4 49	2 42	18 30	1 31	23 7	0 19	12 59	0 23	15 50	1 44	29 19	15 59	22 59	23 3	9 31			n.a.
M 6	3 0	13 39	4 57	5 30	0 14	12 31	1 18	4 53	2 38	18 30	1 31	23 6	0 19	12 58	0 23	15 50	1 44	29 19	15 59	23 1	23 3	9 29			n.a.
T 7	3 24	18 30	4 35	6 13	0 20	12 7	1 20	4 56	2 35	18 30	1 31	23 6	0 19	12 57	0 23	15 49	1 44	29 19	15 58	23 2	23 3	9 26			n.a.
W 8	3 48	22 10	3 58	6 56	0 27	11 42	1 22	4 59	2 31	18 30	1 30	23 6	0 20	12 57	0 23	15 49	1 44	29 19	15 58	23 3	23 4	9 23			n.a.
T 9	4 12	24 28	3 8	7 38	0 33	11 17	1 24	5 1	2 27	18 31	1 30	23 6	0 20	12 56	0 23	15 48	1 44	29 19	15 58	23 3	23 4	9 20			n.a.
F 10	4 36	25 21	2 10	8 20	0 40	10 52	1 26	5 4	2 23	18 31	1 30	23 6	0 20	12 55	0 23	15 48	1 44	29 19	15 57	23 4	23 4	9 17			n.a.
S 11	5 0	24 52	1 7	9 2	0 46	10 26	1 28	5 6	2 19	18 31	1 30	23 5	0 20	12 54	0 23	15 48	1 44	29 19	15 57	23 4	23 5	9 14			n.a.
S 12	5 24	23 10	0 3	9 43	0 52	10 0	1 30	5 8	2 15	18 31	1 30	23 5	0 20	12 54	0 23	15 47	1 44	29 19	15 57	23 4	23 5	9 11			n.a.
M13	5 48	20 27	1s 0	10 23	0 59	9 33	1 32	5 9	2 11	18 31	1 29	23 5	0 20	12 53	0 23	15 47	1 44	29 19	15 57	23 4	23 5	9 8			n.a.
T 14	6 11	16 54	2 0	11 3	1 5	9 7	1 33	5 11	2 7	18 31	1 29	23 5	0 20	12 52	0 23	15 46	1 44	29 19	15 56	23 4	23 6	9 6			n.a.
W15	6 35	12 43	2 54	11 43	1 11	8 40	1 35	5 12	2 4	18 30	1 29	23 5	0 21	12 51	0 23	15 46	1 45	29 19	15 56	23 4	23 6	9 3			n.a.
T 16	6 58	8 4	3 41	12 21	1 17	8 13	1 36	5 12	2 0	18 30	1 29	23 5	0 21	12 50	0 23	15 46	1 45	29 19	15 56	23 5	23 6	9 0			n.a.
F 17	7 22	3 6	4 18	13 0	1 23	7 45	1 37	5 13	1 56	18 30	1 28	23 5	0 21	12 50	0 23	15 45	1 45	29 19	15 56	23 6	23 7	8 57			n.a.
S 18	7 45	2s 1	4 44	13 37	1 28	7 17	1 38	5 13	1 52	18 29	1 28	23 5	0 21	12 49	0 23	15 45	1 45	29 19	15 55	23 7	23 7	8 54			n.a.
S 19	8 8	7 7	4 58	14 14	1 34	6 49	1 40	5 13	1 49	18 29	1 28	23 4	0 21	12 48	0 23	15 44	1 45	29 19	15 55	23 8	23 7	8 51			n.a.
M20	8 31	12 2	4 58	14 50	1 39	6 21	1 41	5 12	1 45	18 28	1 28	23 4	0 21	12 47	0 23	15 44	1 45	29 19	15 55	23 10	23 8	8 48			n.a.
T 21	8 54	16 31	4 43	15 26	1 44	5 53	1 42	5 12	1 41	18 28	1 28	23 4	0 21	12 46	0 23	15 44	1 45	29 19	15 54	23 11	23 8	8 45			n.a.
W22	9 17	20 19	4 15	16 0	1 49	5 24	1 42	5 10	1 38	18 27	1 27	23 4	0 22	12 45	0 23	15 43	1 45	29 19	15 54	23 12	23 8	8 42			n.a.
T 23	9 40	23 11	3 32	16 34	1 53	4 55	1 43	5 9	1 34	18 26	1 27	23 4	0 22	12 45	0 23	15 43	1 45	29 19	15 54	23 13	23 9	8 40			n.a.
F 24	10 2	24 52	2 38	17 7	1 58	4 26	1 44	5 7	1 30	18 26	1 27	23 4	0 22	12 44	0 23	15 42	1 45	29 18	15 53	23 14	23 9	8 37			n.a.
S 25	10 25	25 9	1 35	17 39	2 2	3 57	1 45	5 6	1 27	18 25	1 27	23 4	0 22	12 43	0 23	15 42	1 45	29 18	15 53	23 14	23 9	8 34			n.a.
S 26	10 47	23 58	0 25	18 10	2 6	3 28	1 45	5 3	1 23	18 24	1 26	23 4	0 22	12 42	0 23	15 41	1 45	29 18	15 53	23 14	23 9	8 31			n.a.
M27	11 9	21 21	0n48	18 40	2 9	2 59	1 46	5 1	1 20	18 23	1 26	23 4	0 22	12 41	0 23	15 41	1 45	29 18	15 53	23 14	23 10	8 28			n.a.
T 28	11 31	17 27	1 59	19 9	2 13	2 29	1 46	4 58	1 17	18 22	1 26	23 4	0 22	12 40	0 23	15 40	1 45	29 18	15 52	23 14	23 10	8 25			n.a.
W29	11 52	12 31	3 3	19 37	2 16	2 0	1 46	4 55	1 13	18 21	1 26	23 5	0 22	12 40	0 23	15 40	1 45	29 18	15 52	23 14	23 10	8 22			n.a.
T 30	12 14	6 50	3 58	20 3	2 18	1 30	1 46	4 52	1 10	18 20	1 25	23 5	0 23	12 39	0 23	15 39	1 45	29 17	15 52	23 14	23 11	8 19			n.a.
F 31	12s35	0s44	4n37	20s28	2s20	1n 0	1n47	4s48	1s 7	18s19	1s25	23n 5	0n23	12n38	0s23	15n39	1s45	29s17	15s51	23s15	23s11	8n16			n.a.

Julian Day Number = 1571578.5, Delta T = 04h17m20s
Ecliptic obliquity = 23°44'45, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'16, Lahiri = - 9°37'15 Julian Calendar 1 Oct. 411 BCE == Greg. Calendar 26 Sept. 411 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

NOVEMBER 411 BCE (-410) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 18 51	3♏46'35	2♈10	22♏21	2♎47	20♓38	13♒40	16♋35	3°R54	17°R40	21°R52	11°R15	12♑ 6	29♌33	n.a.	S 1
S 2	2 22 47	4°47'35	16°46	23°44	4° 2	20°41	13°43	16°35	3♉51	17♉38	21♒52	11♑ 5	12° 3	29°40	n.a.	S 2
M 3	2 26 44	5°48'37	1♉12	25° 5	5°16	20°45	13°47	16°R35	3°49	17°36	21°52	10°54	12° 0	29°46	n.a.	M 3
T 4	2 30 40	6°49'39	15°24	26°25	6°30	20°50	13°51	16°35	3°46	17°35	21°52	10°44	11°57	29°53	n.a.	T 4
W 5	2 34 37	7°50'42	29°14	27°43	7°45	20°55	13°56	16°35	3°44	17°33	21°52	10°35	11°54	29°59	n.a.	W 5
T 6	2 38 34	8°51'47	12♊40	28°59	9° 0	21° 2	14° 0	16°35	3°41	17°31	21°52	10°29	11°50	0♍ 6	n.a.	T 6
F 7	2 42 30	9°52'53	25°42	0♐13	10°14	21° 8	14° 4	16°34	3°39	17°30	21°51	10°26	11°47	0°13	n.a.	F 7
S 8	2 46 27	10°53'59	8♋21	1°23	11°29	21°16	14° 9	16°34	3°36	17°28	21°51	10°D24	11°44	0°20	n.a.	S 8
S 9	2 50 23	11°55'07	20°41	2°31	12°43	21°24	14°14	16°33	3°34	17°26	21°51	10°25	11°41	0°27	n.a.	S 9
M10	2 54 20	12°56'16	2♌45	3°34	13°58	21°33	14°19	16°32	3°31	17°25	21°51	10°26	11°38	0°33	n.a.	M10
T 11	2 58 16	13°57'25	14°39	4°33	15°13	21°43	14°25	16°31	3°29	17°23	21°D51	10°R26	11°35	0°40	n.a.	T 11
W12	3 2 13	14°58'36	26°29	5°28	16°27	21°53	14°30	16°30	3°26	17°21	21°51	10°25	11°31	0°47	n.a.	W12
T 13	3 6 10	15°59'47	8♍19	6°16	17°42	22° 4	14°36	16°29	3°24	17°20	21°51	10°22	11°28	0°53	n.a.	T 13
F 14	3 10 6	17° 1'00	20°15	6°58	18°57	22°15	14°42	16°28	3°22	17°18	21°51	10°17	11°25	1° 0	n.a.	F 14
S 15	3 14 3	18° 2'13	2♎21	7°33	20°12	22°27	14°48	16°26	3°19	17°16	21°51	10°10	11°22	1° 7	n.a.	S 15
S 16	3 17 59	19° 3'27	14°40	7°59	21°27	22°40	14°54	16°25	3°17	17°14	21°52	10° 1	11°19	1°13	n.a.	S 16
M17	3 21 56	20° 4'41	27°13	8°17	22°41	22°53	15° 0	16°23	3°14	17°13	21°52	9°51	11°15	1°20	n.a.	M17
T 18	3 25 52	21° 5'56	10♏ 3	8°R24	23°56	23° 7	15° 7	16°22	3°12	17°11	21°52	9°42	11°12	1°27	n.a.	T 18
W19	3 29 49	22° 7'12	23° 8	8°21	25°11	23°21	15°14	16°20	3°10	17° 9	21°52	9°33	11° 9	1°33	n.a.	W19
T 20	3 33 45	23° 8'28	6♐27	8° 6	26°26	23°36	15°20	16°18	3° 7	17° 8	21°52	9°27	11° 6	1°40	n.a.	T 20
F 21	3 37 42	24° 9'44	19°58	7°40	27°41	23°51	15°27	16°16	3° 5	17° 6	21°52	9°23	11° 3	1°47	n.a.	F 21
S 22	3 41 39	25°11'01	3♑39	7° 1	28°56	24° 7	15°35	16°14	3° 3	17° 4	21°53	9°D21	11° 0	1°54	n.a.	S 22
S 23	3 45 35	26°12'18	17°29	6°12	0♏11	24°24	15°42	16°12	3° 0	17° 3	21°53	9°21	10°56	2° 0	n.a.	S 23
M24	3 49 32	27°13'34	1♒26	5°12	1°26	24°41	15°50	16°10	2°58	17° 1	21°53	9°22	10°53	2° 7	n.a.	M24
T 25	3 53 28	28°14'51	15°28	4° 3	2°41	24°58	15°57	16° 7	2°56	16°59	21°54	9°24	10°50	2°14	n.a.	T 25
W26	3 57 25	29°16'07	29°34	2°48	3°56	25°16	16° 5	16° 5	2°54	16°58	21°54	9°R24	10°47	2°20	n.a.	W26
T 27	4 1 21	0♐17'23	13♓44	1°28	5°11	25°35	16°13	16° 2	2°51	16°56	21°54	9°24	10°44	2°27	n.a.	T 27
F 28	4 5 18	1°18'39	27°55	0° 6	6°26	25°54	16°21	16° 0	2°49	16°54	21°55	9°21	10°41	2°34	n.a.	F 28
S 29	4 9 14	2°19'54	12♈ 5	28♏45	7°41	26°13	16°29	15°57	2°47	16°53	21°55	9°17	10°37	2°40	n.a.	S 29
S 30	4 13 11	3♐21'09	26♈11	27♏28	8♏56	26♓33	16♒38	15♋54	2♉45	16♉51	21♒56	9♑11	10♑34	2♍47	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s56	5n26	4n59	20s52	2s22	0n30	1n47	4s44	1s 4	18s17	1s25	23n 5	0n23	12n37	0s23	15n38	1s45	29s17	15s51	23s16	23s11	8n13		n.a.
S 2	13 17	11 17	5 1	21 15	2 23	0 0	1 46	4 40	1 1	18 16	1 25	23 5	0 23	12 36	0 23	15 38	1 45	29 17	15 51	23 17	23 11	8 11		n.a.
M 3	13 38	16 28	4 44	21 36	2 23	0s30	1 46	4 36	0 58	18 15	1 25	23 5	0 23	12 35	0 23	15 38	1 45	29 17	15 50	23 18	23 12	8 8		n.a.
T 4	13 58	20 38	4 10	21 55	2 24	1 0	1 46	4 31	0 55	18 13	1 24	23 5	0 23	12 34	0 23	15 37	1 45	29 16	15 50	23 18	23 12	8 5		n.a.
W 5	14 18	23 31	3 21	22 13	2 23	1 30	1 46	4 26	0 52	18 12	1 24	23 5	0 23	12 33	0 23	15 37	1 45	29 16	15 50	23 19	23 12	8 2		n.a.
T 6	14 38	24 58	2 22	22 29	2 22	2 0	1 45	4 21	0 49	18 10	1 24	23 6	0 24	12 33	0 23	15 36	1 45	29 16	15 49	23 20	23 13	7 59		n.a.
F 7	14 58	24 58	1 18	22 44	2 20	2 30	1 45	4 16	0 46	18 9	1 24	23 6	0 24	12 32	0 23	15 36	1 45	29 15	15 49	23 20	23 13	7 56		n.a.
S 8	15 17	23 40	0 11	22 56	2 17	3 0	1 44	4 10	0 43	18 7	1 23	23 6	0 24	12 31	0 23	15 35	1 45	29 15	15 49	23 20	23 13	7 53		n.a.
S 9	15 36	21 14	0s55	23 6	2 13	3 30	1 44	4 4	0 41	18 6	1 23	23 6	0 24	12 30	0 23	15 35	1 45	29 15	15 48	23 20	23 13	7 50		n.a.
M10	15 55	17 54	1 57	23 14	2 9	4 0	1 43	3 58	0 38	18 4	1 23	23 6	0 24	12 29	0 23	15 34	1 45	29 15	15 48	23 20	23 14	7 47		n.a.
T 11	16 14	13 54	2 53	23 20	2 3	4 30	1 42	3 52	0 35	18 2	1 23	23 7	0 24	12 28	0 23	15 34	1 45	29 14	15 48	23 20	23 14	7 44		n.a.
W12	16 32	9 23	3 41	23 24	1 57	4 59	1 42	3 46	0 33	18 0	1 22	23 7	0 24	12 28	0 23	15 33	1 45	29 14	15 47	23 20	23 14	7 41		n.a.
T 13	16 50	4 32	4 20	23 25	1 49	5 29	1 41	3 39	0 30	17 58	1 22	23 7	0 25	12 27	0 23	15 33	1 45	29 14	15 47	23 20	23 15	7 39		n.a.
F 14	17 8	0s30	4 48	23 23	1 40	5 59	1 40	3 32	0 28	17 56	1 22	23 8	0 25	12 26	0 23	15 32	1 45	29 13	15 47	23 20	23 15	7 36		n.a.
S 15	17 25	5 34	5 3	23 19	1 30	6 28	1 39	3 25	0 25	17 54	1 22	23 8	0 25	12 25	0 23	15 32	1 45	29 13	15 46	23 21	23 15	7 33		n.a.
S 16	17 42	10 32	5 5	23 12	1 18	6 58	1 38	3 18	0 23	17 52	1 22	23 8	0 25	12 24	0 23	15 31	1 45	29 13	15 46	23 22	23 15	7 30		n.a.
M17	17 59	15 9	4 53	23 2	1 5	7 27	1 36	3 10	0 21	17 50	1 21	23 9	0 25	12 23	0 23	15 31	1 45	29 12	15 45	23 22	23 16	7 27		n.a.
T 18	18 16	19 12	4 25	22 49	0 50	7 56	1 35	3 3	0 18	17 48	1 21	23 9	0 25	12 23	0 23	15 30	1 45	29 12	15 45	23 23	23 16	7 24		n.a.
W19	18 32	22 23	3 43	22 33	0 35	8 25	1 34	2 55	0 16	17 46	1 21	23 9	0 25	12 22	0 23	15 30	1 45	29 11	15 45	23 24	23 16	7 21		n.a.
T 20	18 48	24 25	2 48	22 14	0 17	8 54	1 32	2 47	0 14	17 44	1 21	23 10	0 26	12 21	0 23	15 29	1 45	29 11	15 44	23 24	23 16	7 18		n.a.
F 21	19 3	25 4	1 43	21 51	0n 1	9 22	1 31	2 39	0 12	17 41	1 21	23 10	0 26	12 20	0 23	15 29	1 45	29 11	15 44	23 25	23 17	7 15		n.a.
S 22	19 18	24 12	0 31	21 26	0 20	9 50	1 30	2 31	0 10	17 39	1 20	23 10	0 26	12 19	0 23	15 29	1 45	29 10	15 44	23 25	23 17	7 12		n.a.
S 23	19 33	21 52	0n44	20 58	0 40	10 19	1 28	2 22	0 8	17 36	1 20	23 11	0 26	12 19	0 23	15 28	1 45	29 10	15 43	23 25	23 17	7 9		n.a.
M24	19 47	18 12	1 57	20 27	1 0	10 46	1 26	2 13	0 6	17 34	1 20	23 11	0 26	12 18	0 23	15 28	1 45	29 9	15 43	23 25	23 18	7 7		n.a.
T 25	20 1	13 29	3 3	19 55	1 20	11 14	1 25	2 5	0 4	17 31	1 20	23 12	0 26	12 17	0 23	15 27	1 45	29 9	15 43	23 24	23 18	7 4		n.a.
W26	20 15	8 2	3 59	19 21	1 40	11 41	1 23	1 56	0 2	17 29	1 20	23 12	0 27	12 16	0 23	15 27	1 45	29 9	15 42	23 24	23 18	7 1		n.a.
T 27	20 28	2 10	4 40	18 47	1 58	12 8	1 21	1 47	0n 0	17 26	1 19	23 13	0 27	12 16	0 23	15 26	1 45	29 8	15 42	23 24	23 18	6 58		n.a.
F 28	20 41	3n49	5 5	18 14	2 15	12 35	1 19	1 37	0 2	17 24	1 19	23 13	0 27	12 15	0 23	15 26	1 45	29 8	15 42	23 25	23 19	6 55		n.a.
S 29	20 54	9 35	5 10	17 42	2 30	13 2	1 18	1 28	0 4	17 21	1 19	23 13	0 27	12 14	0 23	15 25	1 45	29 7	15 41	23 25	23 19	6 52		n.a.
S 30	21s 6	14n50	4n57	17s12	2n43	13s28	1n16	1s18	0n 6	17s18	1s19	23n14	0n27	12n14	0s23	15n25	1s45	29s 7	15s41	23s25	23s19	6n49		n.a.

Julian Day Number = 1571609.5, Delta T = 04h17m19s
Ecliptic obliquity = 23°44'44, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'12, Lahiri = - 9°37'11 Julian Calendar 1 Nov. 411 BCE == Greg. Calendar 27 Oct. 411 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 411 BCE
geocentric

DECEMBER 411 BCE (-410) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 17 8	4♐22'24	10♉ 8	26°R16	10♏11	26♓53	16♒46	15°R51	2°R43	16°R49	21♒56	9°R 5	10♑31	2♍54	n.a.	M 1
T 2	4 21 4	5°23'39	23°53	25♏12	11°26	27°13	16°55	15♋48	2♉41	16♉48	21°57	9♑ 0	10°28	3° 0	n.a.	T 2
W 3	4 25 1	6°24'54	7♊23	24°17	12°41	27°34	17° 4	15°45	2°39	16°46	21°57	8°55	10°25	3° 7	n.a.	W 3
T 4	4 28 57	7°26'08	20°35	23°32	13°56	27°55	17°13	15°41	2°37	16°45	21°58	8°52	10°21	3°14	n.a.	T 4
F 5	4 32 54	8°27'22	3♋28	22°56	15°11	28°17	17°22	15°38	2°35	16°43	21°58	8°D51	10°18	3°21	n.a.	F 5
S 6	4 36 50	9°28'37	16° 3	22°31	16°26	28°39	17°31	15°35	2°33	16°41	21°59	8°51	10°15	3°27	n.a.	S 6
S 7	4 40 47	10°29'51	28°22	22°16	17°41	29° 2	17°41	15°31	2°31	16°40	21°59	8°52	10°12	3°34	n.a.	S 7
M 8	4 44 44	11°31'05	10♌28	22°D10	18°56	29°24	17°50	15°28	2°30	16°38	22° 0	8°54	10° 9	3°41	n.a.	M 8
T 9	4 48 40	12°32'18	22°24	22°13	20°11	29°47	18° 0	15°24	2°28	16°37	22° 1	8°56	10° 6	3°47	n.a.	T 9
W10	4 52 37	13°33'32	4♍15	22°25	21°26	0♈11	18°10	15°20	2°26	16°35	22° 1	8°57	10° 2	3°54	n.a.	W10
T 11	4 56 33	14°34'45	16° 6	22°44	22°41	0°34	18°19	15°17	2°24	16°34	22° 2	8°R57	9°59	4° 1	n.a.	T 11
F 12	5 0 30	15°35'58	28° 3	23°10	23°56	0°58	18°29	15°13	2°23	16°32	22° 3	8°57	9°56	4° 7	n.a.	F 12
S 13	5 4 26	16°37'11	10♎ 9	23°42	25°11	1°23	18°40	15° 9	2°21	16°31	22° 4	8°55	9°53	4°14	n.a.	S 13
S 14	5 8 23	17°38'23	22°29	24°19	26°27	1°47	18°50	15° 5	2°19	16°30	22° 4	8°52	9°50	4°21	n.a.	S 14
M15	5 12 19	18°39'35	5♏ 7	25° 2	27°42	2°12	19° 0	15° 1	2°18	16°28	22° 5	8°49	9°47	4°28	n.a.	M15
T 16	5 16 16	19°40'47	18° 5	25°49	28°57	2°38	19°11	14°57	2°16	16°27	22° 6	8°46	9°43	4°34	n.a.	T 16
W17	5 20 13	20°41'58	1♐23	26°41	0♐12	3° 3	19°21	14°52	2°15	16°25	22° 7	8°43	9°40	4°41	n.a.	W17
T 18	5 24 9	21°43'08	15° 1	27°36	1°27	3°29	19°32	14°48	2°14	16°24	22° 8	8°41	9°37	4°48	n.a.	T 18
F 19	5 28 6	22°44'18	28°57	28°34	2°42	3°55	19°43	14°44	2°12	16°23	22° 8	8°40	9°34	4°54	n.a.	F 19
S 20	5 32 2	23°45'27	13♑ 7	29°36	3°57	4°21	19°54	14°39	2°11	16°22	22° 9	8°D40	9°31	5° 1	n.a.	S 20
S 21	5 35 59	24°46'35	27°25	0♐40	5°12	4°48	20° 5	14°35	2°10	16°20	22°10	8°40	9°27	5° 8	n.a.	S 21
M22	5 39 55	25°47'42	11♒49	1°46	6°27	5°15	20°16	14°31	2° 8	16°19	22°11	8°41	9°24	5°14	n.a.	M22
T 23	5 43 52	26°48'48	26°13	2°55	7°42	5°42	20°27	14°26	2° 7	16°18	22°12	8°42	9°21	5°21	n.a.	T 23
W24	5 47 48	27°49'53	10♓32	4° 6	8°57	6° 9	20°39	14°22	2° 6	16°17	22°13	8°43	9°18	5°28	n.a.	W24
T 25	5 51 45	28°50'56	24°45	5°19	10°12	6°36	20°50	14°17	2° 5	16°15	22°14	8°R44	9°15	5°35	n.a.	T 25
F 26	5 55 42	29°51'57	8♈49	6°33	11°27	7° 4	21° 1	14°12	2° 4	16°14	22°15	8°44	9°12	5°41	n.a.	F 26
S 27	5 59 38	0♑52'58	22°43	7°49	12°42	7°32	21°13	14° 8	2° 3	16°13	22°16	8°43	9° 8	5°48	n.a.	S 27
S 28	6 3 35	1°53'57	6♉25	9° 6	13°57	8° 0	21°25	14° 3	2° 2	16°12	22°17	8°42	9° 5	5°55	n.a.	S 28
M29	6 7 31	2°54'55	19°55	10°25	15°12	8°29	21°37	13°58	2° 1	16°11	22°18	8°41	9° 2	6° 1	n.a.	M29
T 30	6 11 28	3°55'51	3♊12	11°45	16°27	8°57	21°49	13°53	2° 0	16°10	22°19	8°41	8°59	6° 8	n.a.	T 30
W31	6 15 24	4♑56'46	16♊16	13♐ 6	17♐42	9♈26	22♒ 1	13♋49	1♉59	16♉ 9	22♒20	8♑40	8♑56	6♍15	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	21s17	19n15	4n27	16s46	2n53	13s54	1n14	1s 9	0n 7	17s15	1s19	23n14	0n27	12n13	0s23	15n24	1s45	29s 6	15s41	23s26	23s19	6n46			n.a.
T 2	21 29	22 33	3 41	16 23	3 1	14 19	1 12	0 59	0 9	17 12	1 18	23 15	0 27	12 12	0 23	15 24	1 44	29 6	15 40	23 26	23 20	6 43			n.a.
W 3	21 39	24 30	2 43	16 4	3 7	14 44	1 10	0 49	0 11	17 10	1 18	23 15	0 27	12 11	0 23	15 24	1 44	29 5	15 40	23 26	23 20	6 40			n.a.
T 4	21 50	25 2	1 38	15 50	3 10	15 9	1 8	0 39	0 12	17 7	1 18	23 16	0 28	12 11	0 23	15 23	1 44	29 5	15 40	23 27	23 20	6 37			n.a.
F 5	22 0	24 11	0 29	15 39	3 11	15 33	1 5	0 29	0 14	17 4	1 18	23 17	0 28	12 10	0 23	15 23	1 44	29 4	15 39	23 27	23 20	6 34			n.a.
S 6	22 9	22 7	0s39	15 33	3 11	15 57	1 3	0 18	0 15	17 1	1 18	23 17	0 28	12 10	0 23	15 22	1 44	29 4	15 39	23 27	23 21	6 32			n.a.
S 7	22 18	19 2	1 45	15 32	3 9	16 21	1 1	0 8	0 17	16 57	1 17	23 18	0 28	12 9	0 23	15 22	1 44	29 3	15 39	23 27	23 21	6 29			n.a.
M 8	22 27	15 12	2 45	15 33	3 6	16 44	0 59	0n 2	0 18	16 54	1 17	23 18	0 28	12 8	0 23	15 22	1 44	29 3	15 38	23 27	23 21	6 26			n.a.
T 9	22 35	10 49	3 37	15 38	3 1	17 7	0 56	0 13	0 20	16 51	1 17	23 19	0 28	12 8	0 23	15 21	1 44	29 2	15 38	23 26	23 21	6 23			n.a.
W10	22 43	6 4	4 19	15 47	2 56	17 29	0 54	0 24	0 21	16 48	1 17	23 19	0 28	12 7	0 23	15 21	1 44	29 2	15 38	23 26	23 22	6 20			n.a.
T 11	22 50	1 6	4 50	15 58	2 49	17 51	0 52	0 35	0 23	16 45	1 17	23 20	0 29	12 7	0 23	15 20	1 44	29 1	15 37	23 26	23 22	6 17			n.a.
F 12	22 57	3s56	5 9	16 11	2 42	18 12	0 49	0 46	0 24	16 41	1 17	23 20	0 29	12 6	0 23	15 20	1 44	29 1	15 37	23 26	23 22	6 14			n.a.
S 13	23 4	8 53	5 15	16 26	2 35	18 33	0 47	0 57	0 25	16 38	1 16	23 21	0 29	12 5	0 23	15 20	1 44	29 0	15 37	23 26	23 22	6 11			n.a.
S 14	23 10	13 35	5 6	16 43	2 27	18 53	0 45	1 8	0 27	16 35	1 16	23 22	0 29	12 5	0 23	15 19	1 44	29 0	15 37	23 27	23 23	6 8			n.a.
M15	23 15	17 49	4 42	17 2	2 19	19 13	0 42	1 19	0 28	16 31	1 16	23 22	0 29	12 4	0 22	15 19	1 44	28 59	15 36	23 27	23 23	6 5			n.a.
T 16	23 20	21 20	4 4	17 21	2 10	19 32	0 40	1 30	0 29	16 28	1 16	23 23	0 29	12 4	0 22	15 18	1 44	28 58	15 36	23 27	23 23	6 2			n.a.
W17	23 25	23 49	3 12	17 42	2 1	19 51	0 37	1 42	0 30	16 24	1 16	23 23	0 29	12 3	0 22	15 18	1 44	28 58	15 36	23 27	23 23	5 59			n.a.
T 18	23 29	25 0	2 7	18 3	1 53	20 9	0 35	1 53	0 32	16 21	1 16	23 24	0 30	12 3	0 22	15 18	1 44	28 57	15 35	23 27	23 23	5 57			n.a.
F 19	23 33	24 38	0 53	18 25	1 44	20 26	0 32	2 5	0 33	16 17	1 15	23 25	0 30	12 2	0 22	15 17	1 44	28 57	15 35	23 27	23 24	5 54			n.a.
S 20	23 36	22 41	0n25	18 47	1 34	20 43	0 30	2 16	0 34	16 13	1 15	23 25	0 30	12 2	0 22	15 17	1 44	28 56	15 35	23 27	23 24	5 51			n.a.
S 21	23 38	19 16	1 42	19 10	1 25	21 0	0 27	2 28	0 35	16 10	1 15	23 26	0 30	12 2	0 22	15 17	1 44	28 56	15 35	23 27	23 24	5 48			n.a.
M22	23 41	14 41	2 53	19 32	1 16	21 15	0 25	2 40	0 36	16 6	1 15	23 26	0 30	12 1	0 22	15 16	1 44	28 55	15 34	23 27	23 24	5 45			n.a.
T 23	23 42	9 17	3 54	19 54	1 7	21 31	0 22	2 51	0 37	16 2	1 15	23 27	0 30	12 1	0 22	15 16	1 44	28 54	15 34	23 27	23 25	5 42			n.a.
W24	23 44	3 24	4 40	20 17	0 58	21 45	0 20	3 3	0 38	15 58	1 15	23 28	0 30	12 0	0 22	15 16	1 44	28 54	15 34	23 27	23 25	5 39			n.a.
T 25	23 44	2n35	5 8	20 39	0 50	21 59	0 17	3 15	0 39	15 55	1 15	23 28	0 30	12 0	0 22	15 16	1 44	28 53	15 33	23 27	23 25	5 36			n.a.
F 26	23 45	8 23	5 17	21 1	0 41	22 12	0 15	3 27	0 40	15 51	1 15	23 29	0 31	12 0	0 22	15 15	1 44	28 53	15 33	23 27	23 25	5 33			n.a.
S 27	23 45	13 41	5 8	21 22	0 32	22 25	0 12	3 39	0 41	15 47	1 14	23 30	0 31	11 59	0 22	15 15	1 44	28 52	15 33	23 27	23 26	5 30			n.a.
S 28	23 44	18 14	4 41	21 42	0 24	22 37	0 9	3 52	0 42	15 43	1 14	23 30	0 31	11 59	0 22	15 15	1 43	28 51	15 33	23 27	23 26	5 27			n.a.
M29	23 43	21 46	3 59	22 2	0 15	22 48	0 7	4 4	0 43	15 39	1 14	23 31	0 31	11 59	0 22	15 14	1 43	28 51	15 32	23 27	23 26	5 24			n.a.
T 30	23 41	24 5	3 4	22 22	0 7	22 58	0 4	4 16	0 44	15 35	1 14	23 31	0 31	11 59	0 22	15 14	1 43	28 50	15 32	23 27	23 26	5 22			n.a.
W31	23s39	25n 2	2n 1	22s41	0s 1	23s 8	0n 2	4n28	0n45	15s31	1s14	23n32	0n31	11n58	0s22	15n14	1s43	28s50	15s32	23s27	23s26	5n19			n.a.

Julian Day Number = 1571639.5, Delta T = 04h17m18s
Ecliptic obliquity = 23°44'43, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'08, Lahiri = - 9°37'07 Julian Calendar 1 Dec. 411 BCE == Greg. Calendar 26 Nov. 411 BCE

The year -410 astronomical counting style corresponds to year 411 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

JANUARY 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 19 21	5♑57'40	29♊ 6	14♐28	18♐57	9♈55	22♒13	13°R44	1°R59	16°R 8	22♒22	8°R40	8♑53	6♍21	n.a.	T 1
F 2	6 23 18	6°58'32	11♋43	15°52	20°12	10°24	22°25	13♋39	1♉58	16♉ 7	22°23	8°D40	8°49	6°28	n.a.	F 2
S 3	6 27 14	7°59'24	24° 7	17°16	21°27	10°53	22°37	13°34	1°57	16° 6	22°24	8♑40	8°46	6°35	n.a.	S 3
S 4	6 31 11	9° 0'14	6♌19	18°42	22°42	11°23	22°49	13°29	1°57	16° 5	22°25	8°R40	8°43	6°42	n.a.	S 4
M 5	6 35 7	10° 1'02	18°22	20° 8	23°57	11°52	23° 2	13°24	1°56	16° 4	22°26	8°40	8°40	6°48	n.a.	M 5
T 6	6 39 4	11° 1'50	0♍18	21°35	25°12	12°22	23°14	13°20	1°56	16° 4	22°27	8°40	8°37	6°55	n.a.	T 6
W 7	6 43 0	12° 2'36	12° 9	23° 3	26°27	12°52	23°27	13°15	1°55	16° 3	22°29	8°39	8°33	7° 2	n.a.	W 7
T 8	6 46 57	13° 3'21	24° 1	24°33	27°42	13°22	23°39	13°10	1°55	16° 2	22°30	8°39	8°30	7° 8	n.a.	T 8
F 9	6 50 53	14° 4'04	5♎56	26° 2	28°57	13°52	23°52	13° 5	1°55	16° 1	22°31	8°39	8°27	7°15	n.a.	F 9
S 10	6 54 50	15° 4'47	18° 0	27°33	0♑12	14°23	24° 5	13° 0	1°54	16° 0	22°32	8°D39	8°24	7°22	n.a.	S 10
S 11	6 58 47	16° 5'28	0♏18	29° 5	1°27	14°53	24°18	12°55	1°54	16° 0	22°34	8°39	8°21	7°29	n.a.	S 11
M12	7 2 43	17° 6'08	12°53	0♑38	2°42	15°24	24°31	12°50	1°54	15°59	22°35	8°40	8°18	7°35	n.a.	M12
T 13	7 6 40	18° 6'47	25°50	2°11	3°57	15°55	24°44	12°45	1°54	15°58	22°36	8°40	8°14	7°42	n.a.	T 13
W14	7 10 36	19° 7'24	9♐11	3°45	5°12	16°26	24°57	12°41	1°54	15°58	22°37	8°41	8°11	7°49	n.a.	W14
T 15	7 14 33	20° 8'00	22°56	5°21	6°27	16°57	25°10	12°36	1°D54	15°57	22°39	8°42	8° 8	7°55	n.a.	T 15
F 16	7 18 29	21° 8'34	7♑ 6	6°57	7°41	17°28	25°23	12°31	1°54	15°57	22°40	8°R43	8° 5	8° 2	n.a.	F 16
S 17	7 22 26	22° 9'07	21°36	8°34	8°56	18° 0	25°36	12°26	1°54	15°56	22°41	8°42	8° 2	8° 9	n.a.	S 17
S 18	7 26 22	23° 9'38	6♒21	10°12	10°11	18°31	25°49	12°21	1°54	15°56	22°43	8°41	7°59	8°15	n.a.	S 18
M19	7 30 19	24°10'07	21°14	11°50	11°26	19° 3	26° 3	12°17	1°54	15°55	22°44	8°40	7°55	8°22	n.a.	M19
T 20	7 34 16	25°10'35	6♓ 5	13°30	12°41	19°34	26°16	12°12	1°54	15°55	22°46	8°37	7°52	8°29	n.a.	T 20
W21	7 38 12	26°11'00	20°49	15°11	13°56	20° 6	26°29	12° 7	1°55	15°55	22°47	8°35	7°49	8°36	n.a.	W21
T 22	7 42 9	27°11'23	5♈18	16°52	15°11	20°38	26°43	12° 3	1°55	15°54	22°48	8°33	7°46	8°42	n.a.	T 22
F 23	7 46 5	28°11'44	19°29	18°35	16°25	21°10	26°57	11°58	1°56	15°54	22°50	8°32	7°43	8°49	n.a.	F 23
S 24	7 50 2	29°12'03	3♉21	20°18	17°40	21°42	27°10	11°53	1°56	15°54	22°51	8°D32	7°39	8°56	n.a.	S 24
S 25	7 53 58	0♒12'19	16°52	22° 3	18°55	22°15	27°24	11°49	1°57	15°54	22°53	8°33	7°36	9° 2	n.a.	S 25
M26	7 57 55	1°12'34	0♊ 5	23°48	20°10	22°47	27°37	11°44	1°57	15°53	22°54	8°34	7°33	9° 9	n.a.	M26
T 27	8 1 51	2°12'46	13° 2	25°35	21°24	23°20	27°51	11°40	1°58	15°53	22°56	8°36	7°30	9°16	n.a.	T 27
W28	8 5 48	3°12'57	25°44	27°22	22°39	23°52	28° 5	11°36	1°58	15°53	22°57	8°37	7°27	9°23	n.a.	W28
T 29	8 9 45	4°13'05	8♋13	29°11	23°54	24°25	28°19	11°31	1°59	15°53	22°58	8°R38	7°24	9°29	n.a.	T 29
F 30	8 13 41	5°13'11	20°32	1♒ 1	25° 9	24°58	28°33	11°27	2° 0	15°53	23° 0	8°37	7°20	9°36	n.a.	F 30
S 31	8 17 38	6♒13'15	2♌43	2♒51	26♑23	25♈31	28♒46	11♋23	2♉ 1	15°D53	23♒ 1	8♑35	7♑17	9♍43	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat	
T 1	23 s37	24n37	0n53	22 s58	0s 9	23 s17	0s 1	4n41	0n46	15 s27	1 s14	23n33	0n31	11n58	0s22	15n14	1 s43	28 s49	15 s32	23 s27	23 s27	5n16			n.a.	T 1
F 2	23 34	22 56	0s17	23 15	0 16	23 26	0 3	4 53	0 47	15 23	1 14	23 33	0 31	11 58	0 22	15 14	1 43	28 48	15 31	23 27	23 27	5 13			n.a.	F 2
S 3	23 30	20 10	1 25	23 31	0 24	23 34	0 6	5 5	0 48	15 18	1 14	23 34	0 31	11 58	0 22	15 13	1 43	28 48	15 31	23 27	23 27	5 10			n.a.	S 3
S 4	23 26	16 33	2 28	23 47	0 31	23 41	0 8	5 18	0 48	15 14	1 13	23 35	0 32	11 58	0 22	15 13	1 43	28 47	15 31	23 27	23 27	5 7			n.a.	S 4
M 5	23 22	12 18	3 23	24 1	0 38	23 47	0 11	5 30	0 49	15 10	1 13	23 35	0 32	11 57	0 22	15 13	1 43	28 46	15 31	23 27	23 27	5 4			n.a.	M 5
T 6	23 17	7 38	4 9	24 14	0 45	23 53	0 13	5 43	0 50	15 6	1 13	23 36	0 32	11 57	0 22	15 13	1 43	28 46	15 31	23 27	23 28	5 1			n.a.	T 6
W 7	23 11	2 43	4 44	24 25	0 52	23 57	0 16	5 55	0 51	15 1	1 13	23 36	0 32	11 57	0 22	15 13	1 43	28 45	15 30	23 27	23 28	4 58			n.a.	W 7
T 8	23 6	2s17	5 7	24 36	0 58	24 1	0 18	6 8	0 52	14 57	1 13	23 37	0 32	11 57	0 22	15 12	1 43	28 45	15 30	23 28	23 28	4 55			n.a.	T 8
F 9	22 59	7 13	5 17	24 45	1 4	24 5	0 20	6 21	0 52	14 53	1 13	23 38	0 32	11 57	0 22	15 12	1 43	28 44	15 30	23 28	23 28	4 52			n.a.	F 9
S 10	22 53	11 57	5 13	24 54	1 10	24 7	0 23	6 33	0 53	14 48	1 13	23 38	0 32	11 57	0 22	15 12	1 43	28 43	15 30	23 28	23 29	4 49			n.a.	S 10
S 11	22 46	16 19	4 55	25 0	1 16	24 9	0 25	6 46	0 54	14 44	1 13	23 39	0 32	11 57	0 22	15 12	1 43	28 43	15 30	23 28	23 29	4 47			n.a.	S 11
M12	22 38	20 4	4 22	25 6	1 21	24 10	0 27	6 58	0 55	14 39	1 13	23 39	0 32	11 57	0 22	15 12	1 43	28 42	15 29	23 27	23 29	4 44			n.a.	M12
T 13	22 30	22 57	3 36	25 10	1 26	24 11	0 30	7 11	0 55	14 35	1 12	23 40	0 33	11 57	0 22	15 12	1 43	28 41	15 29	23 27	23 29	4 41			n.a.	T 13
W14	22 22	24 41	2 36	25 13	1 31	24 10	0 32	7 24	0 56	14 30	1 12	23 40	0 33	11 57	0 22	15 12	1 43	28 41	15 29	23 27	23 29	4 38			n.a.	W14
T 15	22 13	24 59	1 26	25 14	1 36	24 9	0 34	7 37	0 57	14 26	1 12	23 41	0 33	11 57	0 22	15 11	1 42	28 40	15 29	23 27	23 30	4 35			n.a.	T 15
F 16	22 4	23 42	0 9	25 13	1 40	24 7	0 36	7 49	0 57	14 21	1 12	23 42	0 33	11 57	0 22	15 11	1 42	28 40	15 29	23 27	23 30	4 32			n.a.	F 16
S 17	21 54	20 49	1n11	25 11	1 44	24 5	0 39	8 2	0 58	14 17	1 12	23 42	0 33	11 57	0 22	15 11	1 42	28 39	15 28	23 27	23 30	4 29			n.a.	S 17
S 18	21 44	16 33	2 27	25 8	1 47	24 2	0 41	8 15	0 58	14 12	1 12	23 43	0 33	11 57	0 22	15 11	1 42	28 38	15 28	23 27	23 30	4 26			n.a.	S 18
M19	21 33	11 14	3 34	25 3	1 51	23 57	0 43	8 27	0 59	14 7	1 12	23 43	0 33	11 57	0 22	15 11	1 42	28 38	15 28	23 27	23 30	4 23			n.a.	M19
T 20	21 22	5 16	4 26	24 56	1 53	23 53	0 45	8 40	1 0	14 3	1 12	23 44	0 33	11 57	0 22	15 11	1 42	28 37	15 28	23 28	23 30	4 20			n.a.	T 20
W21	21 11	0n55	5 1	24 47	1 56	23 47	0 47	8 53	1 0	13 58	1 12	23 44	0 33	11 57	0 22	15 11	1 42	28 36	15 28	23 28	23 31	4 17			n.a.	W21
T 22	20 59	6 56	5 15	24 37	1 58	23 41	0 49	9 6	1 1	13 53	1 12	23 45	0 33	11 57	0 21	15 11	1 42	28 36	15 28	23 28	23 31	4 15			n.a.	T 22
F 23	20 47	12 29	5 10	24 25	2 0	23 34	0 51	9 18	1 1	13 49	1 12	23 45	0 34	11 58	0 21	15 11	1 42	28 35	15 28	23 28	23 31	4 12			n.a.	F 23
S 24	20 35	17 16	4 47	24 11	2 1	23 26	0 53	9 31	1 2	13 44	1 12	23 46	0 34	11 58	0 21	15 11	1 42	28 35	15 27	23 28	23 31	4 9			n.a.	S 24
S 25	20 22	21 2	4 8	23 55	2 2	23 17	0 55	9 44	1 2	13 39	1 12	23 46	0 34	11 58	0 21	15 11	1 42	28 34	15 27	23 28	23 31	4 6			n.a.	S 25
M26	20 9	23 38	3 17	23 38	2 3	23 8	0 56	9 57	1 3	13 34	1 11	23 47	0 34	11 58	0 21	15 11	1 42	28 33	15 27	23 28	23 32	4 3			n.a.	M26
T 27	19 55	24 54	2 16	23 18	2 3	22 58	0 58	10 9	1 3	13 29	1 11	23 47	0 34	11 58	0 21	15 11	1 42	28 33	15 27	23 28	23 32	4 0			n.a.	T 27
W28	19 41	24 51	1 10	22 57	2 2	22 48	1 0	10 22	1 4	13 24	1 11	23 48	0 34	11 59	0 21	15 11	1 42	28 32	15 27	23 28	23 32	3 57			n.a.	W28
T 29	19 27	23 31	0 2	22 34	2 2	22 37	1 2	10 35	1 4	13 19	1 11	23 48	0 34	11 59	0 21	15 11	1 42	28 31	15 27	23 28	23 32	3 54			n.a.	T 29
F 30	19 12	21 5	1s 5	22 9	2 0	22 25	1 3	10 47	1 5	13 14	1 11	23 49	0 34	11 59	0 21	15 11	1 42	28 31	15 27	23 28	23 32	3 51			n.a.	F 30
S 31	18 s57	17n43	2s 8	21 s41	1 s58	22 s12	1 s 5	11n 0	1n 5	13 s10	1 s11	23n49	0n34	12n 0	0s21	15n11	1 s41	28 s30	15 s27	23 s28	23 s33	3n48			n.a.	S 31

Julian Day Number = 1571670.5, Delta T = 04h17m17s
Ecliptic obliquity = 23°44'43, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°44'03, Lahiri = - 9°37'03 Julian Calendar 1 Jan. 410 BCE == Greg. Calendar 27 Dec. 411 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

FEBRUARY 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 21 34	7♒13'17	14♌46	4♒43	27♑38	26♈ 3	29♒ 0	11°R19	2♉ 2	15♉53	23♒ 3	8°R32	7♑14	9♍49	n.a.	S 1
M 2	8 25 31	8°13'17	26°44	6°36	28°53	26°36	29°14	11♋15	2° 3	15°53	23° 4	8♑27	7°11	9°56	n.a.	M 2
T 3	8 29 27	9°13'15	8♍37	8°29	0♒ 7	27°10	29°28	11°10	2° 4	15°53	23° 6	8°21	7° 8	10° 3	n.a.	T 3
W 4	8 33 24	10°13'11	20°29	10°24	1°22	27°43	29°42	11° 7	2° 5	15°53	23° 7	8°16	7° 5	10° 9	n.a.	W 4
T 5	8 37 20	11°13'05	2♎21	12°19	2°37	28°16	29°56	11° 3	2° 6	15°53	23° 9	8°10	7° 1	10°16	n.a.	T 5
F 6	8 41 17	12°12'58	14°17	14°16	3°51	28°49	0♓11	10°59	2° 7	15°54	23°10	8° 6	6°58	10°23	n.a.	F 6
S 7	8 45 14	13°12'48	26°19	16°13	5° 6	29°23	0°25	10°55	2° 8	15°54	23°12	8° 2	6°55	10°30	n.a.	S 7
S 8	8 49 10	14°12'37	8♏34	18°11	6°21	29°56	0°39	10°51	2° 9	15°54	23°13	8° 1	6°52	10°36	n.a.	S 8
M 9	8 53 7	15°12'24	21° 4	20° 9	7°35	0♉30	0°53	10°48	2°11	15°54	23°15	8°D 1	6°49	10°43	n.a.	M 9
T 10	8 57 3	16°12'09	3♐54	22° 7	8°50	1° 3	1° 7	10°44	2°12	15°55	23°16	8° 2	6°45	10°50	n.a.	T 10
W11	9 1 0	17°11'53	17° 9	24° 6	10° 4	1°37	1°21	10°41	2°13	15°55	23°18	8° 4	6°42	10°56	n.a.	W11
T 12	9 4 56	18°11'34	0♑51	26° 5	11°19	2°11	1°36	10°37	2°15	15°55	23°20	8° 5	6°39	11° 3	n.a.	T 12
F 13	9 8 53	19°11'14	15° 0	28° 3	12°34	2°45	1°50	10°34	2°16	15°56	23°21	8°R 5	6°36	11°10	n.a.	F 13
S 14	9 12 49	20°10'52	29°36	0♓ 1	13°48	3°18	2° 4	10°31	2°18	15°56	23°23	8° 3	6°33	11°17	n.a.	S 14
S 15	9 16 46	21°10'28	14♒33	1°58	15° 3	3°52	2°19	10°28	2°19	15°57	23°24	7°59	6°30	11°23	n.a.	S 15
M16	9 20 43	22°10'01	29°44	3°53	16°17	4°26	2°33	10°25	2°21	15°57	23°26	7°54	6°26	11°30	n.a.	M16
T 17	9 24 39	23° 9'32	14♓57	5°47	17°32	5° 1	2°47	10°22	2°23	15°58	23°27	7°47	6°23	11°37	n.a.	T 17
W18	9 28 36	24° 9'01	0♈ 4	7°39	18°46	5°35	3° 2	10°19	2°24	15°58	23°29	7°40	6°20	11°43	n.a.	W18
T 19	9 32 32	25° 8'28	14°53	9°28	20° 1	6° 9	3°16	10°16	2°26	15°59	23°30	7°33	6°17	11°50	n.a.	T 19
F 20	9 36 29	26° 7'52	29°20	11°15	21°15	6°43	3°30	10°14	2°28	16° 0	23°32	7°29	6°14	11°57	n.a.	F 20
S 21	9 40 25	27° 7'14	13♉19	12°58	22°30	7°17	3°45	10°11	2°30	16° 0	23°33	7°26	6°11	12° 4	n.a.	S 21
S 22	9 44 22	28° 6'34	26°53	14°37	23°44	7°52	3°59	10° 9	2°32	16° 1	23°35	7°D25	6° 7	12°10	n.a.	S 22
M23	9 48 18	29° 5'51	10♊ 1	16°12	24°59	8°26	4°14	10° 6	2°34	16° 2	23°36	7°25	6° 4	12°17	n.a.	M23
T 24	9 52 15	0♓ 5'05	22°49	17°43	26°13	9° 1	4°28	10° 4	2°36	16° 3	23°38	7°26	6° 1	12°24	n.a.	T 24
W25	9 56 11	1° 4'18	5♋18	19° 8	27°27	9°35	4°42	10° 2	2°38	16° 3	23°39	7°R27	5°58	12°30	n.a.	W25
T 26	10 0 8	2° 3'27	17°35	20°28	28°42	10°10	4°57	10° 0	2°40	16° 4	23°41	7°26	5°55	12°37	n.a.	T 26
F 27	10 4 5	3° 2'35	29°41	21°42	29°56	10°44	5°11	9°58	2°42	16° 5	23°42	7°24	5°51	12°44	n.a.	F 27
S 28	10 8 1	4♓ 1'40	11♌41	22♓51	1♓11	11♉19	5♓26	9♋56	2♉44	16♉ 6	23♒44	7♑19	5♑48	12♍51	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	18s42	13n40	3s 5	21s12	1s56	21s59	1s 6	11n12	1n 6	13s 5	1s11	23n50	0n34	12n 0	0s21	15n11	1s41	28s30	15s27	23s28	23s33	3n45			n.a.
M 2	18 27	9 7	3 53	20 41	1 53	21 45	1 8	11 25	1 6	13 0	1 11	23 50	0 34	12 0	0 21	15 11	1 41	28 29	15 27	23 28	23 33	3 42			n.a.
T 3	18 11	4 16	4 31	20 8	1 50	21 30	1 9	11 37	1 7	12 55	1 11	23 50	0 34	12 1	0 21	15 11	1 41	28 28	15 27	23 29	23 33	3 40			n.a.
W 4	17 54	0s43	4 57	19 33	1 46	21 15	1 10	11 50	1 7	12 50	1 11	23 51	0 34	12 1	0 21	15 11	1 41	28 28	15 26	23 29	23 33	3 37			n.a.
T 5	17 38	5 40	5 10	18 56	1 41	20 59	1 12	12 2	1 7	12 44	1 11	23 51	0 35	12 1	0 21	15 12	1 41	28 27	15 26	23 29	23 33	3 34			n.a.
F 6	17 21	10 27	5 10	18 17	1 36	20 43	1 13	12 15	1 8	12 39	1 11	23 52	0 35	12 2	0 21	15 12	1 41	28 27	15 26	23 30	23 34	3 31			n.a.
S 7	17 4	14 52	4 56	17 37	1 30	20 26	1 14	12 27	1 8	12 34	1 11	23 52	0 35	12 2	0 21	15 12	1 41	28 26	15 26	23 30	23 34	3 28			n.a.
S 8	16 47	18 46	4 29	16 54	1 24	20 8	1 15	12 40	1 9	12 29	1 11	23 52	0 35	12 3	0 21	15 12	1 41	28 26	15 26	23 30	23 34	3 25			n.a.
M 9	16 29	21 55	3 48	16 10	1 17	19 50	1 16	12 52	1 9	12 24	1 11	23 53	0 35	12 3	0 21	15 12	1 41	28 25	15 26	23 30	23 34	3 22			n.a.
T 10	16 11	24 4	2 55	15 24	1 9	19 31	1 17	13 4	1 9	12 19	1 11	23 53	0 35	12 4	0 21	15 12	1 41	28 24	15 26	23 30	23 34	3 19			n.a.
W11	15 53	24 58	1 51	14 37	1 1	19 12	1 18	13 16	1 10	12 14	1 11	23 53	0 35	12 4	0 21	15 12	1 41	28 24	15 26	23 30	23 34	3 16			n.a.
T 12	15 34	24 24	0 39	13 48	0 52	18 52	1 19	13 29	1 10	12 9	1 11	23 54	0 35	12 5	0 21	15 13	1 41	28 23	15 26	23 30	23 35	3 13			n.a.
F 13	15 16	22 16	0n38	12 58	0 42	18 32	1 20	13 41	1 10	12 3	1 11	23 54	0 35	12 5	0 21	15 13	1 41	28 23	15 26	23 30	23 35	3 11			n.a.
S 14	14 57	18 38	1 54	12 7	0 32	18 11	1 21	13 53	1 11	11 58	1 11	23 54	0 35	12 6	0 21	15 13	1 41	28 22	15 26	23 30	23 35	3 8			n.a.
S 15	14 37	13 44	3 4	11 15	0 22	17 50	1 22	14 5	1 11	11 53	1 11	23 55	0 35	12 6	0 21	15 13	1 40	28 22	15 26	23 30	23 35	3 5			n.a.
M16	14 18	7 55	4 3	10 22	0 11	17 28	1 22	14 17	1 11	11 48	1 11	23 55	0 35	12 7	0 21	15 13	1 40	28 21	15 26	23 30	23 35	3 2			n.a.
T 17	13 58	1 38	4 44	9 30	0n 1	17 5	1 23	14 29	1 12	11 42	1 11	23 55	0 35	12 8	0 21	15 14	1 40	28 21	15 26	23 31	23 35	2 59			n.a.
W18	13 38	4n41	5 5	8 37	0 13	16 42	1 23	14 41	1 12	11 37	1 11	23 56	0 35	12 8	0 21	15 14	1 40	28 20	15 26	23 31	23 35	2 56			n.a.
T 19	13 18	10 37	5 5	7 44	0 25	16 19	1 24	14 53	1 12	11 32	1 11	23 56	0 35	12 9	0 21	15 14	1 40	28 20	15 26	23 32	23 36	2 53			n.a.
F 20	12 58	15 49	4 46	6 52	0 38	15 55	1 24	15 4	1 13	11 27	1 11	23 56	0 35	12 10	0 21	15 14	1 40	28 19	15 26	23 32	23 36	2 50			n.a.
S 21	12 38	20 0	4 10	6 0	0 50	15 31	1 25	15 16	1 13	11 21	1 11	23 56	0 36	12 10	0 21	15 15	1 40	28 19	15 26	23 32	23 36	2 47			n.a.
S 22	12 17	22 58	3 21	5 10	1 3	15 7	1 25	15 28	1 13	11 16	1 11	23 57	0 36	12 11	0 21	15 15	1 40	28 18	15 26	23 32	23 36	2 44			n.a.
M23	11 56	24 35	2 22	4 21	1 16	14 42	1 25	15 39	1 13	11 11	1 11	23 57	0 36	12 12	0 21	15 15	1 40	28 17	15 26	23 32	23 36	2 41			n.a.
T 24	11 35	24 51	1 18	3 34	1 29	14 16	1 25	15 51	1 14	11 5	1 11	23 57	0 36	12 12	0 21	15 15	1 40	28 17	15 26	23 32	23 36	2 39			n.a.
W25	11 14	23 50	0 12	2 48	1 41	13 51	1 25	16 2	1 14	11 0	1 11	23 57	0 36	12 13	0 21	15 16	1 40	28 17	15 26	23 32	23 37	2 36			n.a.
T 26	10 53	21 41	0s54	2 5	1 54	13 24	1 25	16 13	1 14	10 55	1 11	23 57	0 36	12 14	0 21	15 16	1 40	28 16	15 26	23 32	23 37	2 33			n.a.
F 27	10 31	18 35	1 56	1 25	2 5	12 58	1 25	16 25	1 14	10 49	1 11	23 58	0 36	12 15	0 21	15 16	1 40	28 16	15 27	23 32	23 37	2 30			n.a.
S 28	10s 9	14n44	2s53	0s47	2n17	12s31	1s25	16n36	1n15	10s44	1s11	23n58	0n36	12n15	0s21	15n17	1s40	28s15	15s27	23s32	23s37	2n27			n.a.

Julian Day Number = 1571701.5, Delta T = 04h17m15s
Ecliptic obliquity = 23°44'43, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'59, Lahiri = - 9°36'59 Julian Calendar 1 Feb. 410 BCE == Greg. Calendar 27 Jan. 410 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

MARCH 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 11 58	5♓ 0'43	23♌36	23♓53	2♓25	11♉54	5♓40	9°R54	2♉46	16♉ 7	23♒46	7°R11	5♑45	12♍57	n.a.	S 1
M 2	10 15 54	5°59'43	5♍29	24°49	3°39	12°29	5°54	9♋52	2°48	16° 8	23°47	7♑ 1	5°42	13° 4	n.a.	M 2
T 3	10 19 51	6°58'42	17°21	25°38	4°53	13° 3	6° 9	9°51	2°51	16° 9	23°49	6°50	5°39	13°11	n.a.	T 3
W 4	10 23 47	7°57'38	29°14	26°21	6° 8	13°38	6°23	9°49	2°53	16°10	23°50	6°38	5°36	13°17	n.a.	W 4
T 5	10 27 44	8°56'32	11♎ 9	26°56	7°22	14°13	6°38	9°48	2°55	16°11	23°52	6°27	5°32	13°24	n.a.	T 5
F 6	10 31 40	9°55'24	23° 8	27°25	8°36	14°48	6°52	9°47	2°58	16°12	23°53	6°17	5°29	13°31	n.a.	F 6
S 7	10 35 37	10°54'15	5♏14	27°47	9°51	15°23	7° 7	9°45	3° 0	16°13	23°54	6° 9	5°26	13°38	n.a.	S 7
S 8	10 39 33	11°53'03	17°29	28° 2	11° 5	15°58	7°21	9°44	3° 2	16°14	23°56	6° 4	5°23	13°44	n.a.	S 8
M 9	10 43 30	12°51'50	29°58	28°11	12°19	16°33	7°35	9°43	3° 5	16°16	23°57	6° 1	5°20	13°51	n.a.	M 9
T 10	10 47 27	13°50'35	12♐44	28°R12	13°33	17° 8	7°50	9°43	3° 7	16°17	23°59	6°D 0	5°16	13°58	n.a.	T 10
W11	10 51 23	14°49'18	25°52	28° 8	14°47	17°43	8° 4	9°42	3°10	16°18	24° 0	6° 0	5°13	14° 4	n.a.	W11
T 12	10 55 20	15°48'00	9♑24	27°57	16° 2	18°18	8°18	9°41	3°13	16°19	24° 2	6°R 1	5°10	14°11	n.a.	T 12
F 13	10 59 16	16°46'39	23°25	27°40	17°16	18°53	8°33	9°41	3°15	16°21	24° 3	6° 0	5° 7	14°18	n.a.	F 13
S 14	11 3 13	17°45'17	7♒53	27°18	18°30	19°29	8°47	9°40	3°18	16°22	24° 5	5°56	5° 4	14°25	n.a.	S 14
S 15	11 7 9	18°43'53	22°46	26°52	19°44	20° 4	9° 2	9°40	3°21	16°23	24° 6	5°50	5° 1	14°31	n.a.	S 15
M16	11 11 6	19°42'27	7♓57	26°20	20°58	20°39	9°16	9°40	3°23	16°25	24° 8	5°42	4°57	14°38	n.a.	M16
T 17	11 15 2	20°40'59	23°16	25°46	22°12	21°14	9°30	9°D40	3°26	16°26	24° 9	5°32	4°54	14°45	n.a.	T 17
W18	11 18 59	21°39'29	8♈32	25° 8	23°27	21°50	9°44	9°40	3°29	16°28	24°10	5°21	4°51	14°51	n.a.	W18
T 19	11 22 56	22°37'56	23°34	24°28	24°41	22°25	9°59	9°40	3°32	16°29	24°12	5°11	4°48	14°58	n.a.	T 19
F 20	11 26 52	23°36'22	8♉13	23°46	25°55	23° 1	10°13	9°40	3°35	16°31	24°13	5° 3	4°45	15° 5	n.a.	F 20
S 21	11 30 49	24°34'46	22°24	23° 4	27° 9	23°36	10°27	9°40	3°37	16°32	24°14	4°57	4°42	15°12	n.a.	S 21
S 22	11 34 45	25°33'07	6♊ 5	22°22	28°23	24°12	10°41	9°41	3°40	16°34	24°16	4°54	4°38	15°18	n.a.	S 22
M23	11 38 42	26°31'26	19°17	21°41	29°37	24°47	10°55	9°41	3°43	16°35	24°17	4°53	4°35	15°25	n.a.	M23
T 24	11 42 38	27°29'44	2♋ 5	21° 1	0♈51	25°23	11° 9	9°42	3°46	16°37	24°18	4°53	4°32	15°32	n.a.	T 24
W25	11 46 35	28°27'58	14°32	20°24	2° 5	25°58	11°24	9°43	3°49	16°38	24°20	4°53	4°29	15°38	n.a.	W25
T 26	11 50 31	29°26'11	26°44	19°49	3°19	26°34	11°38	9°44	3°52	16°40	24°21	4°51	4°26	15°45	n.a.	T 26
F 27	11 54 28	0♈24'22	8♌45	19°18	4°33	27°10	11°52	9°45	3°55	16°42	24°22	4°48	4°22	15°52	n.a.	F 27
S 28	11 58 25	1°22'30	20°39	18°50	5°47	27°45	12° 6	9°46	3°58	16°43	24°24	4°41	4°19	15°59	n.a.	S 28
S 29	12 2 21	2°20'36	2♍31	18°27	7° 1	28°21	12°20	9°47	4° 1	16°45	24°25	4°32	4°16	16° 5	n.a.	S 29
M30	12 6 18	3°18'41	14°22	18° 8	8°15	28°57	12°34	9°48	4° 5	16°47	24°26	4°21	4°13	16°12	n.a.	M30
T 31	12 10 14	4♈16'43	26♍15	17♓53	9♈29	29♉32	12♓47	9♋50	4♉ 8	16♉48	24♒27	4♑ 7	4♑10	16♍19	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	9s48	10n21	3s41	0s12	2n28	12s 4	1s25	16n47	1n15	10s39	1s11	23n58	0n36	12n16	0s21	15n17	1s40	28s15	15s27	23s33	23s37	2n24		n.a.
M 2	9 26	5 36	4 19	0n20	2 38	11 37	1 25	16 58	1 15	10 33	1 11	23 58	0 36	12 17	0 20	15 17	1 40	28 14	15 27	23 33	23 37	2 21		n.a.
T 3	9 4	0 40	4 46	0 48	2 47	11 9	1 25	17 9	1 15	10 28	1 11	23 58	0 36	12 18	0 20	15 18	1 39	28 14	15 27	23 34	23 37	2 18		n.a.
W 4	8 41	4s17	5 1	1 13	2 56	10 41	1 24	17 20	1 15	10 22	1 11	23 59	0 36	12 18	0 20	15 18	1 39	28 13	15 27	23 35	23 38	2 15		n.a.
T 5	8 19	9 5	5 2	1 34	3 4	10 12	1 24	17 31	1 16	10 17	1 11	23 59	0 36	12 19	0 20	15 18	1 39	28 13	15 27	23 35	23 38	2 13		n.a.
F 6	7 57	13 35	4 50	1 52	3 10	9 44	1 23	17 41	1 16	10 12	1 11	23 59	0 36	12 20	0 20	15 19	1 39	28 12	15 27	23 36	23 38	2 10		n.a.
S 7	7 34	17 35	4 25	2 6	3 16	9 15	1 23	17 52	1 16	10 6	1 11	23 59	0 36	12 21	0 20	15 19	1 39	28 12	15 27	23 36	23 38	2 7		n.a.
S 8	7 12	20 54	3 48	2 16	3 20	8 46	1 22	18 3	1 16	10 1	1 11	23 59	0 36	12 22	0 20	15 20	1 39	28 12	15 27	23 36	23 38	2 4		n.a.
M 9	6 49	23 19	2 59	2 22	3 23	8 17	1 21	18 13	1 16	9 55	1 11	23 59	0 36	12 23	0 20	15 20	1 39	28 11	15 28	23 36	23 38	2 1		n.a.
T 10	6 26	24 36	2 0	2 24	3 24	7 47	1 21	18 23	1 17	9 50	1 11	23 59	0 36	12 24	0 20	15 20	1 39	28 11	15 28	23 36	23 38	1 58		n.a.
W11	6 3	24 34	0 54	2 22	3 25	7 17	1 20	18 34	1 17	9 45	1 11	23 59	0 36	12 25	0 20	15 21	1 39	28 10	15 28	23 36	23 38	1 55		n.a.
T 12	5 40	23 6	0n18	2 17	3 23	6 48	1 19	18 44	1 17	9 39	1 11	23 59	0 36	12 25	0 20	15 21	1 39	28 10	15 28	23 36	23 39	1 52		n.a.
F 13	5 17	20 11	1 31	2 7	3 21	6 17	1 18	18 54	1 17	9 34	1 11	24 0	0 36	12 26	0 20	15 22	1 39	28 10	15 28	23 36	23 39	1 49		n.a.
S 14	4 54	15 57	2 40	1 55	3 16	5 47	1 17	19 4	1 17	9 28	1 11	24 0	0 36	12 27	0 20	15 22	1 39	28 9	15 28	23 37	23 39	1 47		n.a.
S 15	4 31	10 38	3 41	1 38	3 10	5 17	1 16	19 14	1 17	9 23	1 11	24 0	0 36	12 28	0 20	15 22	1 39	28 9	15 28	23 37	23 39	1 44		n.a.
M16	4 8	4 34	4 27	1 19	3 3	4 46	1 15	19 23	1 18	9 18	1 11	24 0	0 37	12 29	0 20	15 23	1 39	28 9	15 29	23 37	23 39	1 41		n.a.
T 17	3 44	1n47	4 54	0 57	2 54	4 16	1 14	19 33	1 18	9 12	1 11	24 0	0 37	12 30	0 20	15 23	1 39	28 8	15 29	23 38	23 39	1 38		n.a.
W18	3 21	8 1	5 1	0 33	2 44	3 45	1 13	19 42	1 18	9 7	1 11	24 0	0 37	12 31	0 20	15 24	1 39	28 8	15 29	23 38	23 39	1 35		n.a.
T 19	2 58	13 41	4 46	0 6	2 32	3 14	1 12	19 52	1 18	9 1	1 11	24 0	0 37	12 32	0 20	15 24	1 39	28 8	15 29	23 39	23 39	1 32		n.a.
F 20	2 34	18 24	4 13	0s22	2 20	2 43	1 10	20 1	1 18	8 56	1 11	24 0	0 37	12 33	0 20	15 25	1 39	28 7	15 29	23 39	23 40	1 29		n.a.
S 21	2 11	21 54	3 25	0 52	2 6	2 12	1 9	20 10	1 18	8 51	1 11	24 0	0 37	12 34	0 20	15 25	1 38	28 7	15 29	23 39	23 40	1 26		n.a.
S 22	1 47	24 0	2 26	1 22	1 51	1 41	1 8	20 19	1 18	8 45	1 11	24 0	0 37	12 35	0 20	15 26	1 38	28 7	15 30	23 39	23 40	1 24		n.a.
M23	1 24	24 40	1 22	1 52	1 36	1 10	1 6	20 28	1 18	8 40	1 12	24 0	0 37	12 36	0 20	15 26	1 38	28 6	15 30	23 39	23 40	1 21		n.a.
T 24	1 0	23 59	0 15	2 23	1 20	0 39	1 5	20 37	1 19	8 34	1 12	24 0	0 37	12 37	0 20	15 27	1 38	28 6	15 30	23 39	23 40	1 18		n.a.
W25	0 37	22 6	0s51	2 53	1 4	0 7	1 3	20 46	1 19	8 29	1 12	24 0	0 37	12 38	0 20	15 27	1 38	28 6	15 30	23 39	23 40	1 15		n.a.
T 26	0 14	19 14	1 53	3 22	0 47	0n24	1 1	20 55	1 19	8 24	1 12	24 0	0 37	12 39	0 20	15 28	1 38	28 5	15 30	23 39	23 40	1 12		n.a.
F 27	0n10	15 35	2 49	3 49	0 30	0 55	1 0	21 3	1 19	8 18	1 12	24 0	0 37	12 40	0 20	15 28	1 38	28 5	15 31	23 39	23 40	1 9		n.a.
S 28	0 33	11 22	3 37	4 15	0 14	1 26	0 58	21 11	1 19	8 13	1 12	24 0	0 37	12 41	0 20	15 29	1 38	28 5	15 31	23 40	23 40	1 6		n.a.
S 29	0 57	6 45	4 15	4 40	0s 2	1 57	0 56	21 20	1 19	8 8	1 12	24 0	0 37	12 43	0 20	15 29	1 38	28 5	15 31	23 40	23 41	1 3		n.a.
M30	1 20	1 54	4 42	5 2	0 18	2 29	0 55	21 28	1 19	8 2	1 12	23 59	0 37	12 44	0 20	15 30	1 38	28 4	15 31	23 40	23 41	1 1		n.a.
T 31	1n43	3s 1	4s57	5s22	0s34	3n 0	0s53	21n36	1n19	7s57	1s12	23n59	0n37	12n45	0s20	15n30	1s38	28s 4	15s32	23s41	23s41	0n58		n.a.

Julian Day Number = 1571729.5, Delta T = 04h17m14s
Ecliptic obliquity = 23°44'43, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'55, Lahiri = - 9°36'55 Julian Calendar 1 March 410 BCE == Greg. Calendar 24 Feb. 410 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

APRIL 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 14 11	5♈14'44	8♎11	17°R43	10♈42	0♊ 8	13♓ 1	9♋51	4♉11	16♉50	24♒29	3°R53	4♑ 7	16♍25	n.a.	W 1
T 2	12 18 7	6°12'43	20°12	17♓38	11°56	0°44	13°15	9°53	4°14	16°52	24°30	3♑39	4° 3	16°32	n.a.	T 2
F 3	12 22 4	7°10'41	2♏19	17°D38	13°10	1°20	13°29	9°55	4°17	16°54	24°31	3°27	4° 0	16°39	n.a.	F 3
S 4	12 26 0	8° 8'36	14°33	17°42	14°24	1°55	13°43	9°56	4°20	16°56	24°32	3°18	3°57	16°46	n.a.	S 4
S 5	12 29 57	9° 6'31	26°56	17°52	15°38	2°31	13°56	9°58	4°24	16°57	24°33	3°11	3°54	16°52	n.a.	S 5
M 6	12 33 53	10° 4'24	9♐31	18° 6	16°52	3° 7	14°10	10° 0	4°27	16°59	24°34	3° 7	3°51	16°59	n.a.	M 6
T 7	12 37 50	11° 2'15	22°20	18°24	18° 6	3°43	14°24	10° 3	4°30	17° 1	24°36	3° 5	3°47	17° 6	n.a.	T 7
W 8	12 41 47	12° 0'06	5♑27	18°47	19°19	4°19	14°37	10° 5	4°34	17° 3	24°37	3° 5	3°44	17°12	n.a.	W 8
T 9	12 45 43	12°57'54	18°54	19°14	20°33	4°55	14°51	10° 7	4°37	17° 5	24°38	3° 5	3°41	17°19	n.a.	T 9
F 10	12 49 40	13°55'42	2♒46	19°46	21°47	5°31	15° 4	10°10	4°40	17° 7	24°39	3° 4	3°38	17°26	n.a.	F 10
S 11	12 53 36	14°53'28	17° 1	20°21	23° 1	6° 7	15°18	10°12	4°43	17° 9	24°40	3° 1	3°35	17°33	n.a.	S 11
S 12	12 57 33	15°51'14	1♓39	21° 0	24°14	6°43	15°31	10°15	4°47	17°11	24°41	2°55	3°32	17°39	n.a.	S 12
M13	13 1 29	16°48'57	16°36	21°43	25°28	7°19	15°44	10°17	4°50	17°13	24°42	2°47	3°28	17°46	n.a.	M13
T 14	13 5 26	17°46'40	1♈44	22°30	26°42	7°55	15°58	10°20	4°54	17°15	24°43	2°38	3°25	17°53	n.a.	T 14
W15	13 9 22	18°44'21	16°52	23°20	27°56	8°31	16°11	10°23	4°57	17°17	24°44	2°27	3°22	17°59	n.a.	W15
T 16	13 13 19	19°42'00	1♉51	24°14	29° 9	9° 7	16°24	10°26	5° 0	17°19	24°45	2°17	3°19	18° 6	n.a.	T 16
F 17	13 17 16	20°39'39	16°31	25°11	0♉23	9°43	16°37	10°29	5° 4	17°21	24°46	2° 9	3°16	18°13	n.a.	F 17
S 18	13 21 12	21°37'16	0♊46	26°11	1°37	10°20	16°50	10°32	5° 7	17°23	24°47	2° 3	3°13	18°20	n.a.	S 18
S 19	13 25 9	22°34'51	14°32	27°14	2°50	10°56	17° 3	10°36	5°11	17°25	24°48	2° 0	3° 9	18°26	n.a.	S 19
M20	13 29 5	23°32'25	27°50	28°20	4° 4	11°32	17°16	10°39	5°14	17°27	24°49	1°D59	3° 6	18°33	n.a.	M20
T 21	13 33 2	24°29'57	10♋42	29°29	5°18	12° 8	17°29	10°43	5°18	17°29	24°50	1°59	3° 3	18°40	n.a.	T 21
W22	13 36 58	25°27'28	23°12	0♈40	6°31	12°45	17°42	10°46	5°21	17°31	24°51	1°R59	3° 0	18°46	n.a.	W22
T 23	13 40 55	26°24'57	5♌25	1°55	7°45	13°21	17°55	10°50	5°25	17°33	24°51	1°59	2°57	18°53	n.a.	T 23
F 24	13 44 51	27°22'25	17°26	3°12	8°58	13°57	18° 7	10°54	5°28	17°35	24°52	1°57	2°53	19° 0	n.a.	F 24
S 25	13 48 48	28°19'51	29°20	4°32	10°12	14°33	18°20	10°57	5°32	17°37	24°53	1°52	2°50	19° 7	n.a.	S 25
S 26	13 52 45	29°17'16	11♍11	5°54	11°25	15°10	18°33	11° 1	5°35	17°40	24°54	1°46	2°47	19°13	n.a.	S 26
M27	13 56 41	0♉14'39	23° 3	7°20	12°39	15°46	18°45	11° 5	5°39	17°42	24°55	1°37	2°44	19°20	n.a.	M27
T 28	14 0 38	1°12'01	4♎59	8°47	13°52	16°23	18°58	11° 9	5°42	17°44	24°55	1°27	2°41	19°27	n.a.	T 28
W29	14 4 34	2° 9'23	17° 1	10°18	15° 6	16°59	19°10	11°14	5°46	17°46	24°56	1°16	2°38	19°34	n.a.	W29
T 30	14 8 31	3♉ 6'43	29♎10	11♈50	16♉19	17♊35	19♓22	11♋18	5♉49	17♉48	24♒57	1♑ 5	2♑34	19♍40	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n 7	7s51	4s59	5s39	0s49	3n31	0s51	21n44	1n19	7s52	1s12	23n59	0n37	12n46	0s20	15n31	1s38	28s 4	15s32	23s41	23s41	0n55		n.a.
T 2	2 30	12 25	4 47	5 54	1 3	4 2	0 49	21 51	1 19	7 46	1 12	23 59	0 37	12 47	0 20	15 32	1 38	28 4	15 32	23 42	23 41	0 52		n.a.
F 3	2 53	16 32	4 23	6 7	1 16	4 33	0 47	21 59	1 19	7 41	1 12	23 59	0 37	12 48	0 20	15 32	1 38	28 4	15 32	23 42	23 41	0 49		n.a.
S 4	3 16	20 0	3 46	6 17	1 29	5 3	0 45	22 6	1 19	7 36	1 12	23 59	0 37	12 49	0 20	15 33	1 38	28 3	15 33	23 42	23 41	0 46		n.a.
S 5	3 39	22 37	2 58	6 24	1 41	5 34	0 43	22 14	1 19	7 31	1 13	23 59	0 37	12 50	0 20	15 33	1 38	28 3	15 33	23 42	23 41	0 43		n.a.
M 6	4 2	24 9	2 1	6 29	1 52	6 5	0 41	22 21	1 20	7 25	1 13	23 59	0 37	12 51	0 20	15 34	1 38	28 3	15 33	23 42	23 41	0 40		n.a.
T 7	4 25	24 28	0 57	6 31	2 3	6 35	0 39	22 28	1 20	7 20	1 13	23 59	0 37	12 52	0 20	15 34	1 38	28 3	15 33	23 43	23 41	0 38		n.a.
W 8	4 48	23 25	0n13	6 31	2 12	7 5	0 37	22 35	1 20	7 15	1 13	23 58	0 37	12 54	0 20	15 35	1 38	28 3	15 34	23 43	23 41	0 35		n.a.
T 9	5 11	21 2	1 23	6 28	2 21	7 36	0 35	22 42	1 20	7 10	1 13	23 58	0 37	12 55	0 20	15 35	1 38	28 3	15 34	23 43	23 42	0 32		n.a.
F 10	5 34	17 22	2 30	6 23	2 29	8 6	0 32	22 48	1 20	7 4	1 13	23 58	0 37	12 56	0 20	15 36	1 38	28 2	15 34	23 43	23 42	0 29		n.a.
S 11	5 56	12 36	3 30	6 15	2 36	8 35	0 30	22 55	1 20	6 59	1 13	23 58	0 37	12 57	0 20	15 37	1 38	28 2	15 34	23 43	23 42	0 26		n.a.
S 12	6 19	7 0	4 18	6 6	2 42	9 5	0 28	23 1	1 20	6 54	1 13	23 58	0 37	12 58	0 20	15 37	1 38	28 2	15 35	23 43	23 42	0 23		n.a.
M13	6 41	0 55	4 49	5 53	2 48	9 34	0 26	23 7	1 20	6 49	1 13	23 58	0 37	12 59	0 20	15 38	1 37	28 2	15 35	23 43	23 42	0 20		n.a.
T 14	7 4	5n17	5 1	5 39	2 53	10 4	0 23	23 13	1 20	6 44	1 13	23 57	0 37	13 1	0 20	15 38	1 37	28 2	15 35	23 43	23 42	0 18		n.a.
W15	7 26	11 11	4 52	5 22	2 57	10 32	0 21	23 19	1 20	6 39	1 14	23 57	0 37	13 2	0 20	15 39	1 37	28 2	15 36	23 43	23 42	0 15		n.a.
T 16	7 48	16 22	4 23	5 4	3 0	11 1	0 19	23 25	1 20	6 34	1 14	23 57	0 37	13 3	0 20	15 40	1 37	28 2	15 36	23 44	23 42	0 12		n.a.
F 17	8 10	20 26	3 36	4 43	3 2	11 30	0 16	23 31	1 20	6 29	1 14	23 57	0 37	13 4	0 20	15 40	1 37	28 2	15 36	23 44	23 42	0 9		n.a.
S 18	8 32	23 8	2 38	4 20	3 4	11 58	0 14	23 36	1 20	6 24	1 14	23 57	0 37	13 5	0 20	15 41	1 37	28 2	15 37	23 44	23 42	0 6		n.a.
S 19	8 54	24 21	1 31	3 56	3 5	12 26	0 12	23 41	1 20	6 19	1 14	23 56	0 37	13 6	0 20	15 41	1 37	28 2	15 37	23 44	23 42	0 3		n.a.
M20	9 15	24 6	0 22	3 30	3 5	12 53	0 9	23 46	1 20	6 14	1 14	23 56	0 38	13 8	0 20	15 42	1 37	28 2	15 37	23 44	23 42	0 1		n.a.
T 21	9 37	22 32	0s46	3 1	3 4	13 21	0 7	23 51	1 20	6 9	1 14	23 56	0 38	13 9	0 20	15 43	1 37	28 2	15 37	23 44	23 43	0s 2		n.a.
W22	9 58	19 55	1 50	2 31	3 3	13 48	0 5	23 56	1 20	6 4	1 14	23 56	0 38	13 10	0 20	15 43	1 37	28 2	15 38	23 44	23 43	0 5		n.a.
T 23	10 19	16 27	2 48	2 0	3 1	14 14	0 2	24 1	1 20	5 59	1 15	23 55	0 38	13 11	0 20	15 44	1 37	28 2	15 38	23 44	23 43	0 8		n.a.
F 24	10 40	12 22	3 37	1 26	2 59	14 41	0n 0	24 5	1 20	5 54	1 15	23 55	0 38	13 12	0 20	15 45	1 37	28 2	15 38	23 44	23 43	0 11		n.a.
S 25	11 1	7 51	4 16	0 51	2 56	15 6	0 3	24 10	1 20	5 49	1 15	23 55	0 38	13 13	0 20	15 45	1 37	28 2	15 39	23 44	23 43	0 14		n.a.
S 26	11 22	3 5	4 44	0 15	2 52	15 32	0 5	24 14	1 20	5 44	1 15	23 54	0 38	13 15	0 20	15 46	1 37	28 2	15 39	23 44	23 43	0 17		n.a.
M27	11 42	1s47	5 0	0n23	2 47	15 57	0 8	24 18	1 20	5 39	1 15	23 54	0 38	13 16	0 20	15 46	1 37	28 2	15 39	23 44	23 43	0 19		n.a.
T 28	12 2	6 37	5 3	1 3	2 42	16 22	0 10	24 22	1 20	5 34	1 15	23 54	0 38	13 17	0 20	15 47	1 37	28 2	15 40	23 44	23 43	0 22		n.a.
W29	12 22	11 15	4 52	1 44	2 37	16 46	0 13	24 25	1 20	5 30	1 15	23 53	0 38	13 18	0 20	15 48	1 37	28 2	15 40	23 44	23 43	0 25		n.a.
T 30	12n42	15s29	4s28	2n26	2s31	17n10	0n15	24n29	1n20	5s25	1s16	23n53	0n38	13n19	0s20	15n48	1s37	28s 2	15s40	23s44	23s43	0s28		n.a.

Julian Day Number = 1571760.5, Delta T = 04h17m13s
Ecliptic obliquity = 23°44'43, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'51, Lahiri = - 9°36'51 Julian Calendar 1 Apr. 410 BCE == Greg. Calendar 27 March 410 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

MAY 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 12 27	4♉ 4'02	11♏28	13♈26	17♉33	18♊12	19♓34	11♋22	5♉53	17♉50	24♒58	0°R56	2♑31	19♍47	n.a.	F 1
S 2	14 16 24	5° 1'20	23°56	15° 3	18°46	18°48	19°47	11°26	5°56	17°53	24°58	0♑48	2°28	19°54	n.a.	S 2
S 3	14 20 20	5°58'37	6♐34	16°44	20° 0	19°25	19°59	11°31	6° 0	17°55	24°59	0°43	2°25	20° 0	n.a.	S 3
M 4	14 24 17	6°55'54	19°23	18°26	21°13	20° 1	20°11	11°36	6° 3	17°57	25° 0	0°41	2°22	20° 7	n.a.	M 4
T 5	14 28 14	7°53'10	2♑25	20°12	22°27	20°38	20°22	11°40	6° 7	17°59	25° 0	0°D40	2°19	20°14	n.a.	T 5
W 6	14 32 10	8°50'25	15°40	21°59	23°40	21°14	20°34	11°45	6°10	18° 1	25° 1	0°41	2°15	20°21	n.a.	W 6
T 7	14 36 7	9°47'40	29°12	23°49	24°53	21°51	20°46	11°50	6°14	18° 4	25° 1	0°42	2°12	20°27	n.a.	T 7
F 8	14 40 3	10°44'55	13♒ 1	25°42	26° 7	22°27	20°58	11°55	6°17	18° 6	25° 2	0°R42	2° 9	20°34	n.a.	F 8
S 9	14 44 0	11°42'08	27° 8	27°37	27°20	23° 4	21° 9	12° 0	6°21	18° 8	25° 2	0°41	2° 6	20°41	n.a.	S 9
S 10	14 47 56	12°39'22	11♓32	29°34	28°34	23°41	21°21	12° 5	6°24	18°10	25° 3	0°38	2° 3	20°47	n.a.	S 10
M11	14 51 53	13°36'35	26° 9	1♉33	29°47	24°17	21°32	12°10	6°28	18°13	25° 3	0°33	1°59	20°54	n.a.	M11
T 12	14 55 49	14°33'48	10♈54	3°34	1♊ 0	24°54	21°43	12°15	6°31	18°15	25° 4	0°27	1°56	21° 1	n.a.	T 12
W13	14 59 46	15°31'00	25°41	5°38	2°14	25°31	21°55	12°20	6°35	18°17	25° 4	0°20	1°53	21° 8	n.a.	W13
T 14	15 3 43	16°28'12	10♉21	7°43	3°27	26° 7	22° 6	12°25	6°38	18°19	25° 5	0°14	1°50	21°14	n.a.	T 14
F 15	15 7 39	17°25'23	24°48	9°49	4°40	26°44	22°17	12°31	6°42	18°22	25° 5	0° 9	1°47	21°21	n.a.	F 15
S 16	15 11 36	18°22'34	8♊54	11°57	5°54	27°21	22°28	12°36	6°45	18°24	25° 5	0° 5	1°44	21°28	n.a.	S 16
S 17	15 15 32	19°19'44	22°37	14° 7	7° 7	27°58	22°38	12°42	6°48	18°26	25° 6	0° 3	1°40	21°35	n.a.	S 17
M18	15 19 29	20°16'54	5♋54	16°17	8°20	28°34	22°49	12°47	6°52	18°28	25° 6	0°D 3	1°37	21°41	n.a.	M18
T 19	15 23 25	21°14'03	18°48	18°28	9°33	29°11	23° 0	12°53	6°55	18°30	25° 6	0° 4	1°34	21°48	n.a.	T 19
W20	15 27 22	22°11'11	1♌21	20°39	10°47	29°48	23°10	12°59	6°59	18°33	25° 7	0° 6	1°31	21°55	n.a.	W20
T 21	15 31 19	23° 8'19	13°37	22°50	12° 0	0♋25	23°21	13° 4	7° 2	18°35	25° 7	0° 7	1°28	22° 1	n.a.	T 21
F 22	15 35 15	24° 5'26	25°40	25° 1	13°13	1° 2	23°31	13°10	7° 6	18°37	25° 7	0°R 7	1°25	22° 8	n.a.	F 22
S 23	15 39 12	25° 2'33	7♍36	27°12	14°26	1°39	23°41	13°16	7° 9	18°39	25° 7	0° 7	1°21	22°15	n.a.	S 23
S 24	15 43 8	25°59'39	19°28	29°22	15°39	2°16	23°51	13°22	7°12	18°42	25° 8	0° 4	1°18	22°22	n.a.	S 24
M25	15 47 5	26°56'44	1♎23	1♊31	16°53	2°53	24° 1	13°28	7°16	18°44	25° 8	0° 1	1°15	22°28	n.a.	M25
T 26	15 51 1	27°53'49	13°22	3°39	18° 6	3°30	24°11	13°34	7°19	18°46	25° 8	29♐56	1°12	22°35	n.a.	T 26
W27	15 54 58	28°50'54	25°29	5°46	19°19	4° 7	24°21	13°40	7°22	18°48	25° 8	29°51	1° 9	22°42	n.a.	W27
T 28	15 58 54	29°47'59	7♏48	7°51	20°32	4°44	24°31	13°46	7°26	18°51	25° 8	29°45	1° 5	22°48	n.a.	T 28
F 29	16 2 51	0♊45'03	20°18	9°55	21°45	5°21	24°40	13°53	7°29	18°53	25° 8	29°41	1° 2	22°55	n.a.	F 29
S 30	16 6 48	1°42'08	3♐ 2	11°57	22°58	5°58	24°50	13°59	7°32	18°55	25° 8	29°38	0°59	23° 2	n.a.	S 30
S 31	16 10 44	2♊39'13	15♐59	13♊57	24♊11	6♋35	24♓59	14♋ 5	7♉36	18♉57	25♒ 8	29♐36	0♑56	23♍ 9	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n 2	19s 8	3s52	3n 9	2s24	17n34	0n18	24n32	1n20	5s20	1s16	23n53	0n38	13n21	0s20	15n49	1s37	28s 2	15s41	23s45	23s43	0s31		n.a.
S 2	13 22	21 57	3 3	3 54	2 17	17 57	0 20	24 35	1 20	5 16	1 16	23 52	0 38	13 22	0 20	15 50	1 37	28 2	15 41	23 45	23 43	0 34		n.a.
S 3	13 41	23 44	2 6	4 40	2 9	18 19	0 22	24 38	1 20	5 11	1 16	23 52	0 38	13 23	0 20	15 50	1 37	28 2	15 41	23 45	23 43	0 36		n.a.
M 4	14 0	24 19	1 0	5 27	2 1	18 42	0 25	24 41	1 20	5 6	1 16	23 52	0 38	13 24	0 19	15 51	1 37	28 2	15 42	23 45	23 43	0 39		n.a.
T 5	14 19	23 34	0n 9	6 15	1 52	19 3	0 27	24 44	1 20	5 2	1 16	23 51	0 38	13 25	0 19	15 51	1 37	28 2	15 42	23 45	23 43	0 42		n.a.
W 6	14 38	21 29	1 20	7 4	1 43	19 24	0 30	24 46	1 19	4 57	1 17	23 51	0 38	13 26	0 19	15 52	1 37	28 2	15 43	23 45	23 44	0 45		n.a.
T 7	14 56	18 11	2 27	7 54	1 34	19 45	0 32	24 49	1 19	4 53	1 17	23 51	0 38	13 28	0 19	15 53	1 37	28 3	15 43	23 45	23 44	0 48		n.a.
F 8	15 14	13 48	3 28	8 45	1 24	20 5	0 34	24 51	1 19	4 48	1 17	23 50	0 38	13 29	0 19	15 53	1 37	28 3	15 43	23 45	23 44	0 51		n.a.
S 9	15 32	8 36	4 17	9 36	1 14	20 25	0 37	24 53	1 19	4 44	1 17	23 50	0 38	13 30	0 19	15 54	1 37	28 3	15 44	23 45	23 44	0 53		n.a.
S 10	15 50	2 51	4 51	10 28	1 4	20 44	0 39	24 55	1 19	4 39	1 17	23 49	0 38	13 31	0 19	15 55	1 37	28 3	15 44	23 45	23 44	0 56		n.a.
M11	16 8	3n 8	5 7	11 20	0 53	21 2	0 41	24 56	1 19	4 35	1 17	23 49	0 38	13 32	0 19	15 55	1 37	28 3	15 44	23 45	23 44	0 59		n.a.
T 12	16 25	9 0	5 3	12 12	0 42	21 20	0 44	24 58	1 19	4 30	1 18	23 48	0 38	13 34	0 19	15 56	1 37	28 3	15 45	23 45	23 44	1 2		n.a.
W13	16 42	14 22	4 38	13 4	0 32	21 37	0 46	24 59	1 19	4 26	1 18	23 48	0 38	13 35	0 19	15 57	1 37	28 4	15 45	23 45	23 44	1 5		n.a.
T 14	16 58	18 50	3 56	13 56	0 21	21 54	0 48	25 0	1 19	4 22	1 18	23 47	0 38	13 36	0 19	15 57	1 37	28 4	15 45	23 45	23 44	1 7		n.a.
F 15	17 15	22 6	2 59	14 47	0 10	22 10	0 50	25 1	1 19	4 18	1 18	23 47	0 38	13 37	0 19	15 58	1 37	28 4	15 46	23 45	23 44	1 10		n.a.
S 16	17 31	23 55	1 52	15 38	0n 1	22 26	0 53	25 2	1 19	4 13	1 18	23 46	0 38	13 38	0 19	15 58	1 37	28 4	15 46	23 45	23 44	1 13		n.a.
S 17	17 47	24 12	0 40	16 28	0 12	22 41	0 55	25 2	1 19	4 9	1 18	23 46	0 38	13 39	0 19	15 59	1 37	28 4	15 47	23 45	23 44	1 16		n.a.
M18	18 3	23 5	0s32	17 16	0 22	22 55	0 57	25 3	1 19	4 5	1 19	23 45	0 38	13 40	0 19	16 0	1 37	28 5	15 47	23 45	23 44	1 19		n.a.
T 19	18 18	20 45	1 40	18 4	0 32	23 8	0 59	25 3	1 19	4 1	1 19	23 45	0 38	13 42	0 19	16 0	1 37	28 5	15 47	23 45	23 44	1 21		n.a.
W20	18 33	17 29	2 42	18 49	0 42	23 21	1 1	25 3	1 18	3 57	1 19	23 44	0 38	13 43	0 19	16 1	1 37	28 5	15 48	23 45	23 44	1 24		n.a.
T 21	18 48	13 31	3 35	19 33	0 52	23 34	1 3	25 3	1 18	3 53	1 19	23 44	0 39	13 44	0 19	16 2	1 37	28 5	15 48	23 45	23 44	1 27		n.a.
F 22	19 2	9 6	4 17	20 15	1 0	23 45	1 5	25 3	1 18	3 49	1 19	23 43	0 39	13 45	0 19	16 2	1 37	28 6	15 48	23 45	23 44	1 30		n.a.
S 23	19 16	4 23	4 48	20 54	1 9	23 56	1 7	25 2	1 18	3 45	1 20	23 43	0 39	13 46	0 19	16 3	1 37	28 6	15 49	23 45	23 44	1 33		n.a.
S 24	19 30	0s28	5 6	21 31	1 17	24 6	1 9	25 2	1 18	3 41	1 20	23 42	0 39	13 47	0 19	16 3	1 37	28 6	15 49	23 45	23 44	1 35		n.a.
M25	19 43	5 18	5 11	22 6	1 24	24 16	1 11	25 1	1 18	3 38	1 20	23 42	0 39	13 48	0 19	16 4	1 37	28 6	15 50	23 45	23 44	1 38		n.a.
T 26	19 57	9 59	5 3	22 38	1 30	24 25	1 13	25 0	1 18	3 34	1 20	23 41	0 39	13 49	0 19	16 5	1 37	28 7	15 50	23 45	23 44	1 41		n.a.
W27	20 9	14 20	4 41	23 7	1 36	24 33	1 14	24 59	1 18	3 30	1 21	23 41	0 39	13 51	0 19	16 5	1 37	28 7	15 50	23 45	23 44	1 44		n.a.
T 28	20 22	18 9	4 6	23 34	1 41	24 40	1 16	24 57	1 18	3 26	1 21	23 40	0 39	13 52	0 19	16 6	1 37	28 7	15 51	23 45	23 44	1 47		n.a.
F 29	20 34	21 14	3 18	23 58	1 46	24 47	1 18	24 56	1 18	3 23	1 21	23 39	0 39	13 53	0 19	16 6	1 37	28 8	15 51	23 45	23 44	1 49		n.a.
S 30	20 46	23 19	2 20	24 19	1 50	24 53	1 19	24 54	1 17	3 19	1 21	23 39	0 39	13 54	0 19	16 7	1 37	28 8	15 51	23 45	23 44	1 52		n.a.
S 31	20n57	24s13	1s14	24n38	1n53	24n58	1n21	24n52	1n17	3s16	1s21	23n38	0n39	13n55	0s19	16n 8	1s37	28s 8	15s52	23s45	23s44	1s55		n.a.

Julian Day Number = 1571790.5, Delta T = 04h17m12s
Ecliptic obliquity = 23°44'42, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'47, Lahiri = - 9°36'47 Julian Calendar 1 May 410 BCE == Greg. Calendar 26 Apr. 410 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

JUNE 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 14 41	3♊36'17	29♐ 9	15♊56	25♊24	7♋12	25♓ 8	14♋12	7♉39	18♉59	25°R 8	29°D35	0♏53	23♍15	n.a.	M 1
T 2	16 18 37	4°33'22	12♏32	17°52	26°37	7°49	25°17	14°18	7°42	19° 1	25♒ 8	29♐36	0°50	23°22	n.a.	T 2
W 3	16 22 34	5°30'27	26° 7	19°47	27°50	8°26	25°26	14°25	7°45	19° 4	25° 8	29°37	0°46	23°29	n.a.	W 3
T 4	16 26 30	6°27'33	9♒53	21°40	29° 3	9° 3	25°35	14°31	7°48	19° 6	25° 8	29°38	0°43	23°36	n.a.	T 4
F 5	16 30 27	7°24'38	23°51	23°31	0♋16	9°40	25°43	14°38	7°52	19° 8	25° 8	29°39	0°40	23°42	n.a.	F 5
S 6	16 34 23	8°21'45	7♓58	25°19	1°29	10°18	25°52	14°44	7°55	19°10	25° 8	29°R40	0°37	23°49	n.a.	S 6
S 7	16 38 20	9°18'51	22°13	27° 6	2°42	10°55	26° 0	14°51	7°58	19°12	25° 8	29°39	0°34	23°56	n.a.	S 7
M 8	16 42 17	10°15'59	6♈33	28°51	3°55	11°32	26° 9	14°58	8° 1	19°14	25° 8	29°38	0°30	24° 2	n.a.	M 8
T 9	16 46 13	11°13'07	20°55	0♋34	5° 8	12° 9	26°17	15° 4	8° 4	19°16	25° 7	29°36	0°27	24° 9	n.a.	T 9
W10	16 50 10	12°10'15	5♉16	2°14	6°21	12°47	26°25	15°11	8° 7	19°19	25° 7	29°34	0°24	24°16	n.a.	W10
T 11	16 54 6	13° 7'25	19°29	3°53	7°34	13°24	26°33	15°18	8°10	19°21	25° 7	29°32	0°21	24°23	n.a.	T 11
F 12	16 58 3	14° 4'34	3♊31	5°30	8°47	14° 1	26°40	15°25	8°13	19°23	25° 7	29°30	0°18	24°29	n.a.	F 12
S 13	17 1 59	15° 1'45	17°18	7° 5	9°59	14°39	26°48	15°32	8°16	19°25	25° 7	29°29	0°15	24°36	n.a.	S 13
S 14	17 5 56	15°58'55	0♋47	8°38	11°12	15°16	26°55	15°39	8°19	19°27	25° 6	29°D29	0°11	24°43	n.a.	S 14
M15	17 9 53	16°56'07	13°56	10° 8	12°25	15°53	27° 3	15°46	8°22	19°29	25° 6	29°29	0° 8	24°49	n.a.	M15
T 16	17 13 49	17°53'18	26°46	11°37	13°38	16°31	27°10	15°53	8°25	19°31	25° 6	29°30	0° 5	24°56	n.a.	T 16
W17	17 17 46	18°50'30	9♌17	13° 4	14°51	17° 8	27°17	16° 0	8°28	19°33	25° 5	29°31	0° 2	25° 3	n.a.	W17
T 18	17 21 42	19°47'42	21°33	14°29	16° 4	17°46	27°24	16° 7	8°31	19°35	25° 5	29°32	29♐59	25°10	n.a.	T 18
F 19	17 25 39	20°44'55	3♍38	15°51	17°16	18°23	27°30	16°14	8°34	19°37	25° 4	29°33	29°56	25°16	n.a.	F 19
S 20	17 29 35	21°42'08	15°35	17°12	18°29	19° 1	27°37	16°21	8°36	19°39	25° 4	29°33	29°52	25°23	n.a.	S 20
S 21	17 33 32	22°39'21	27°28	18°30	19°42	19°39	27°43	16°29	8°39	19°41	25° 4	29°R33	29°49	25°30	n.a.	S 21
M22	17 37 28	23°36'35	9♎23	19°46	20°54	20°16	27°50	16°36	8°42	19°43	25° 3	29°33	29°46	25°37	n.a.	M22
T 23	17 41 25	24°33'50	21°24	20°59	22° 7	20°54	27°56	16°43	8°44	19°45	25° 3	29°32	29°43	25°43	n.a.	T 23
W24	17 45 22	25°31'05	3♏35	22°11	23°20	21°31	28° 2	16°50	8°47	19°47	25° 2	29°32	29°40	25°50	n.a.	W24
T 25	17 49 18	26°28'20	15°59	23°19	24°32	22° 9	28° 7	16°58	8°50	19°49	25° 2	29°31	29°36	25°57	n.a.	T 25
F 26	17 53 15	27°25'37	28°39	24°26	25°45	22°47	28°13	17° 5	8°52	19°50	25° 1	29°31	29°33	26° 3	n.a.	F 26
S 27	17 57 11	28°22'54	11♐37	25°29	26°57	23°24	28°18	17°12	8°55	19°52	25° 1	29°31	29°30	26°10	n.a.	S 27
S 28	18 1 8	29°20'12	24°53	26°30	28°10	24° 2	28°23	17°20	8°57	19°54	25° 0	29°31	29°27	26°17	n.a.	S 28
M29	18 5 4	0♋17'31	8♏26	27°29	29°22	24°40	28°29	17°27	9° 0	19°56	24°59	29°31	29°24	26°24	n.a.	M29
T 30	18 9 1	1♋14'51	22♏15	28♋24	0♌35	25♋18	28♓33	17♋34	9♉ 2	19♉58	24♒59	29♐31	29♐21	26♍30	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n 9	23s47	0s 2	24n54	1n55	25n 2	1n22	24n50	1n17	3s12	1s22	23n37	0n39	13n56	0s19	16n 8	1s37	28s 9	15s52	23s45	23s45	1s58		n.a.
T 2	21 19	21 59	1n11	25 7	1 57	25 6	1 24	24 48	1 17	3 9	1 22	23 37	0 39	13 57	0 19	16 9	1 37	28 9	15 53	23 45	23 45	2 1		n.a.
W 3	21 30	18 54	2 21	25 18	1 58	25 9	1 25	24 45	1 17	3 5	1 22	23 36	0 39	13 58	0 19	16 9	1 37	28 9	15 53	23 45	23 45	2 3		n.a.
T 4	21 40	14 44	3 24	25 26	1 58	25 11	1 27	24 43	1 17	3 2	1 22	23 35	0 39	13 59	0 19	16 10	1 37	28 10	15 53	23 45	23 45	2 6		n.a.
F 5	21 49	9 44	4 16	25 32	1 58	25 13	1 28	24 40	1 17	2 59	1 23	23 35	0 39	14 0	0 19	16 11	1 37	28 10	15 54	23 45	23 45	2 9		n.a.
S 6	21 59	4 10	4 53	25 36	1 57	25 13	1 29	24 37	1 17	2 56	1 23	23 34	0 39	14 1	0 19	16 11	1 37	28 11	15 54	23 45	23 45	2 12		n.a.
S 7	22 8	1n38	5 12	25 38	1 55	25 13	1 30	24 34	1 16	2 52	1 23	23 33	0 39	14 2	0 19	16 12	1 37	28 11	15 54	23 45	23 45	2 15		n.a.
M 8	22 16	7 24	5 13	25 37	1 53	25 13	1 31	24 30	1 16	2 49	1 23	23 33	0 39	14 3	0 19	16 12	1 37	28 11	15 55	23 45	23 45	2 17		n.a.
T 9	22 25	12 47	4 53	25 35	1 50	25 11	1 32	24 27	1 16	2 46	1 23	23 32	0 39	14 4	0 19	16 13	1 37	28 12	15 55	23 45	23 45	2 20		n.a.
W10	22 32	17 27	4 16	25 30	1 47	25 9	1 33	24 23	1 16	2 43	1 24	23 31	0 39	14 5	0 19	16 13	1 37	28 12	15 56	23 45	23 45	2 23		n.a.
T 11	22 40	21 5	3 23	25 24	1 43	25 6	1 34	24 19	1 16	2 40	1 24	23 30	0 39	14 6	0 19	16 14	1 37	28 13	15 56	23 45	23 45	2 26		n.a.
F 12	22 47	23 23	2 18	25 16	1 38	25 2	1 35	24 15	1 16	2 37	1 24	23 30	0 39	14 7	0 19	16 15	1 37	28 13	15 56	23 45	23 45	2 28		n.a.
S 13	22 54	24 14	1 7	25 6	1 33	24 57	1 36	24 11	1 16	2 35	1 24	23 29	0 40	14 8	0 19	16 15	1 37	28 13	15 57	23 45	23 45	2 31		n.a.
S 14	23 0	23 37	0s 7	24 55	1 28	24 52	1 37	24 6	1 15	2 32	1 25	23 28	0 40	14 9	0 19	16 16	1 37	28 14	15 57	23 45	23 45	2 34		n.a.
M15	23 6	21 42	1 19	24 43	1 22	24 46	1 37	24 2	1 15	2 29	1 25	23 27	0 40	14 10	0 19	16 16	1 37	28 14	15 57	23 45	23 45	2 37		n.a.
T 16	23 11	18 42	2 25	24 29	1 15	24 40	1 38	23 57	1 15	2 26	1 25	23 27	0 40	14 11	0 19	16 17	1 37	28 15	15 58	23 45	23 45	2 39		n.a.
W17	23 16	14 54	3 23	24 14	1 8	24 32	1 38	23 52	1 15	2 24	1 25	23 26	0 40	14 12	0 19	16 17	1 37	28 15	15 58	23 45	23 45	2 42		n.a.
T 18	23 21	10 33	4 10	23 57	1 1	24 24	1 39	23 47	1 15	2 21	1 26	23 25	0 40	14 13	0 19	16 18	1 37	28 16	15 58	23 45	23 45	2 45		n.a.
F 19	23 25	5 53	4 45	23 40	0 53	24 15	1 39	23 42	1 15	2 19	1 26	23 24	0 40	14 14	0 19	16 18	1 37	28 16	15 59	23 45	23 45	2 48		n.a.
S 20	23 29	1 2	5 7	23 22	0 45	24 5	1 39	23 36	1 14	2 17	1 26	23 23	0 40	14 15	0 19	16 19	1 37	28 17	15 59	23 45	23 45	2 50		n.a.
S 21	23 32	3s49	5 16	23 3	0 36	23 55	1 40	23 31	1 14	2 14	1 27	23 23	0 40	14 16	0 19	16 19	1 37	28 17	15 59	23 45	23 45	2 53		n.a.
M22	23 35	8 32	5 12	22 43	0 27	23 44	1 40	23 25	1 14	2 12	1 27	23 22	0 40	14 16	0 19	16 20	1 37	28 18	16 0	23 45	23 45	2 56		n.a.
T 23	23 38	12 59	4 54	22 23	0 18	23 33	1 40	23 19	1 14	2 10	1 27	23 21	0 40	14 17	0 19	16 20	1 37	28 18	16 0	23 45	23 45	2 59		n.a.
W24	23 40	16 58	4 23	22 2	0 8	23 20	1 40	23 13	1 14	2 8	1 27	23 20	0 40	14 18	0 19	16 21	1 37	28 19	16 0	23 45	23 45	3 2		n.a.
T 25	23 42	20 19	3 38	21 40	0s 2	23 7	1 40	23 6	1 14	2 6	1 28	23 19	0 40	14 19	0 19	16 21	1 37	28 19	16 1	23 45	23 45	3 4		n.a.
F 26	23 43	22 45	2 43	21 18	0 12	22 54	1 39	23 0	1 13	2 4	1 28	23 18	0 40	14 20	0 19	16 22	1 37	28 19	16 1	23 45	23 45	3 7		n.a.
S 27	23 44	24 5	1 38	20 56	0 23	22 39	1 39	22 53	1 13	2 2	1 28	23 17	0 40	14 21	0 19	16 22	1 37	28 20	16 1	23 45	23 45	3 10		n.a.
S 28	23 45	24 4	0 26	20 34	0 34	22 24	1 39	22 46	1 13	2 0	1 28	23 16	0 40	14 22	0 19	16 23	1 37	28 21	16 2	23 45	23 45	3 12		n.a.
M29	23 45	22 39	0n49	20 12	0 45	22 9	1 38	22 39	1 13	1 58	1 29	23 16	0 40	14 22	0 19	16 23	1 37	28 21	16 2	23 45	23 45	3 15		n.a.
T 30	23n44	19s52	2n 3	19n49	0s57	21n53	1n38	22n32	1n13	1s56	1s29	23n15	0n41	14n23	0s19	16n24	1s37	28s22	16s 2	23s45	23s45	3s18		n.a.

Julian Day Number = 1571821.5, Delta T = 04h17m11s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'43, Lahiri = - 9°36'42 Julian Calendar 1 June 410 BCE == Greg. Calendar 27 May 410 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

JULY 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 12 57	2♋12'12	6♒16	29♋16	1♌47	25♋56	28♓38	17♋42	9♉ 5	19♉59	24°R58	29°R31	29♐17	26♍37	n.a.	W 1
T 2	18 16 54	3° 9'34	20°27	0♌ 5	3° 0	26°33	28°43	17°49	9° 7	20° 1	24♒58	29♐30	29°14	26°44	n.a.	T 2
F 3	18 20 51	4° 6'58	4♓43	0°50	4°12	27°11	28°47	17°57	9°10	20° 3	24°57	29°30	29°11	26°51	n.a.	F 3
S 4	18 24 47	5° 4'22	19° 0	1°32	5°24	27°49	28°51	18° 4	9°12	20° 5	24°56	29°29	29° 8	26°57	n.a.	S 4
S 5	18 28 44	6° 1'49	3♈17	2°10	6°37	28°27	28°55	18°12	9°14	20° 6	24°55	29°D29	29° 5	27° 4	n.a.	S 5
M 6	18 32 40	6°59'16	17°29	2°45	7°49	29° 5	28°59	18°19	9°16	20° 8	24°55	29°29	29° 2	27°11	n.a.	M 6
T 7	18 36 37	7°56'46	1♉34	3°15	9° 1	29°43	29° 3	18°27	9°19	20°10	24°54	29°30	28°58	27°17	n.a.	T 7
W 8	18 40 33	8°54'17	15°31	3°41	10°14	0♌21	29° 6	18°34	9°21	20°11	24°53	29°31	28°55	27°24	n.a.	W 8
T 9	18 44 30	9°51'49	29°18	4° 3	11°26	0°59	29°10	18°42	9°23	20°13	24°52	29°31	28°52	27°31	n.a.	T 9
F 10	18 48 26	10°49'23	12♊53	4°19	12°38	1°37	29°13	18°50	9°25	20°14	24°52	29°32	28°49	27°38	n.a.	F 10
S 11	18 52 23	11°46'58	26°15	4°31	13°50	2°15	29°16	18°57	9°27	20°16	24°51	29°R33	28°46	27°44	n.a.	S 11
S 12	18 56 20	12°44'35	9♋23	4°38	15° 2	2°54	29°19	19° 5	9°29	20°18	24°50	29°32	28°42	27°51	n.a.	S 12
M13	19 0 16	13°42'13	22°16	4°R39	16°14	3°32	29°21	19°12	9°31	20°19	24°49	29°32	28°39	27°58	n.a.	M13
T 14	19 4 13	14°39'52	4♌55	4°35	17°26	4°10	29°23	19°20	9°33	20°21	24°48	29°30	28°36	28° 5	n.a.	T 14
W15	19 8 9	15°37'33	17°21	4°26	18°38	4°48	29°26	19°28	9°35	20°22	24°47	29°28	28°33	28°11	n.a.	W15
T 16	19 12 6	16°35'15	29°33	4°11	19°50	5°26	29°28	19°35	9°37	20°23	24°46	29°25	28°30	28°18	n.a.	T 16
F 17	19 16 2	17°32'58	11♍36	3°50	21° 2	6° 5	29°29	19°43	9°38	20°25	24°46	29°23	28°27	28°25	n.a.	F 17
S 18	19 19 59	18°30'43	23°32	3°23	22°14	6°43	29°31	19°51	9°40	20°26	24°45	29°20	28°23	28°31	n.a.	S 18
S 19	19 23 55	19°28'28	5♎25	2°52	23°26	7°21	29°32	19°58	9°42	20°28	24°44	29°19	28°20	28°38	n.a.	S 19
M20	19 27 52	20°26'15	17°19	2°15	24°38	8° 0	29°34	20° 6	9°44	20°29	24°43	29°D18	28°17	28°45	n.a.	M20
T 21	19 31 49	21°24'04	29°18	1°33	25°50	8°38	29°35	20°13	9°45	20°30	24°42	29°18	28°14	28°52	n.a.	T 21
W22	19 35 45	22°21'53	11♏28	0°47	27° 2	9°17	29°35	20°21	9°47	20°31	24°41	29°19	28°11	28°58	n.a.	W22
T 23	19 39 42	23°19'44	23°53	29♋58	28°13	9°55	29°36	20°29	9°48	20°33	24°40	29°21	28° 8	29° 5	n.a.	T 23
F 24	19 43 38	24°17'37	6♐36	29° 6	29°25	10°34	29°36	20°36	9°50	20°34	24°39	29°22	28° 4	29°12	n.a.	F 24
S 25	19 47 35	25°15'31	19°42	28°12	0♍37	11°12	29°37	20°44	9°51	20°35	24°38	29°24	28° 1	29°19	n.a.	S 25
S 26	19 51 31	26°13'27	3♑10	27°17	1°48	11°51	29°R37	20°52	9°52	20°36	24°37	29°R24	27°58	29°25	n.a.	S 26
M27	19 55 28	27°11'24	17° 2	26°23	3° 0	12°29	29°36	20°59	9°54	20°37	24°36	29°23	27°55	29°32	n.a.	M27
T 28	19 59 24	28° 9'22	1♒15	25°30	4°11	13° 8	29°36	21° 7	9°55	20°38	24°35	29°20	27°52	29°39	n.a.	T 28
W29	20 3 21	29° 7'23	15°44	24°39	5°23	13°46	29°35	21°14	9°56	20°39	24°34	29°17	27°48	29°45	n.a.	W29
T 30	20 7 18	0♌ 5'25	0♓23	23°52	6°34	14°25	29°35	21°22	9°58	20°41	24°33	29°13	27°45	29°52	n.a.	T 30
F 31	20 11 14	1♌ 3'29	15♓ 4	23♋11	7♍46	15♌ 4	29♓34	21♋29	9♉59	20♉42	24♒31	29♐ 8	27♐42	29♍59	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23n44	15s53	3n10	19n27	1s 8	21n36	1n37	22n25	1n12	1s55	1s29	23n14	0n41	14n24	0s19	16n24	1s37	28s22	16s 3	23s45	23s45	3s21			n.a.
T 2	23 42	10 58	4 6	19 5	1 20	21 18	1 37	22 17	1 12	1 53	1 30	23 13	0 41	14 25	0 19	16 25	1 37	28 23	16 3	23 45	23 45	3 23			n.a.
F 3	23 41	5 27	4 48	18 43	1 32	21 0	1 36	22 10	1 12	1 52	1 30	23 12	0 41	14 25	0 19	16 25	1 37	28 23	16 3	23 45	23 45	3 26			n.a.
S 4	23 39	0n22	5 11	18 22	1 45	20 42	1 35	22 2	1 12	1 50	1 30	23 11	0 41	14 26	0 19	16 25	1 37	28 24	16 4	23 45	23 45	3 29			n.a.
S 5	23 36	6 8	5 16	18 2	1 57	20 23	1 34	21 54	1 12	1 49	1 30	23 10	0 41	14 27	0 19	16 26	1 37	28 24	16 4	23 45	23 44	3 32			n.a.
M 6	23 33	11 34	5 1	17 42	2 9	20 3	1 33	21 46	1 11	1 47	1 31	23 9	0 41	14 28	0 19	16 26	1 37	28 25	16 4	23 45	23 44	3 34			n.a.
T 7	23 30	16 21	4 29	17 23	2 22	19 43	1 32	21 38	1 11	1 46	1 31	23 8	0 41	14 28	0 19	16 27	1 38	28 25	16 5	23 45	23 44	3 37			n.a.
W 8	23 26	20 12	3 40	17 5	2 34	19 22	1 31	21 29	1 11	1 45	1 31	23 7	0 41	14 29	0 19	16 27	1 38	28 26	16 5	23 45	23 44	3 40			n.a.
T 9	23 22	22 51	2 40	16 48	2 46	19 1	1 30	21 21	1 11	1 44	1 32	23 6	0 41	14 30	0 19	16 27	1 38	28 26	16 5	23 45	23 44	3 43			n.a.
F 10	23 18	24 8	1 31	16 32	2 59	18 39	1 29	21 12	1 11	1 43	1 32	23 5	0 41	14 30	0 19	16 28	1 38	28 27	16 5	23 45	23 44	3 45			n.a.
S 11	23 13	24 0	0 18	16 18	3 10	18 17	1 27	21 3	1 10	1 42	1 32	23 4	0 41	14 31	0 19	16 28	1 38	28 27	16 6	23 45	23 44	3 48			n.a.
S 12	23 8	22 30	0s54	16 5	3 22	17 54	1 26	20 54	1 10	1 41	1 32	23 3	0 41	14 32	0 19	16 29	1 38	28 28	16 6	23 45	23 44	3 51			n.a.
M13	23 2	19 52	2 2	15 54	3 33	17 31	1 24	20 45	1 10	1 41	1 33	23 2	0 41	14 32	0 19	16 29	1 38	28 29	16 6	23 45	23 44	3 53			n.a.
T 14	22 56	16 19	3 3	15 44	3 44	17 7	1 23	20 35	1 10	1 40	1 33	23 1	0 42	14 33	0 19	16 29	1 38	28 29	16 6	23 45	23 44	3 56			n.a.
W15	22 49	12 7	3 54	15 37	3 54	16 43	1 21	20 26	1 9	1 39	1 33	23 0	0 42	14 33	0 20	16 30	1 38	28 30	16 7	23 45	23 44	3 59			n.a.
T 16	22 42	7 31	4 33	15 31	4 3	16 18	1 19	20 16	1 9	1 39	1 34	22 59	0 42	14 34	0 20	16 30	1 38	28 30	16 7	23 45	23 44	4 2			n.a.
F 17	22 35	2 41	5 0	15 28	4 11	15 53	1 17	20 6	1 9	1 38	1 34	22 58	0 42	14 35	0 20	16 30	1 38	28 31	16 7	23 45	23 44	4 4			n.a.
S 18	22 27	2s11	5 13	15 27	4 19	15 28	1 16	19 56	1 9	1 38	1 34	22 57	0 42	14 35	0 20	16 31	1 38	28 31	16 7	23 45	23 44	4 7			n.a.
S 19	22 19	6 57	5 13	15 28	4 25	15 2	1 14	19 46	1 8	1 38	1 35	22 56	0 42	14 36	0 20	16 31	1 38	28 32	16 8	23 45	23 44	4 10			n.a.
M20	22 10	11 29	4 59	15 32	4 29	14 36	1 11	19 36	1 8	1 37	1 35	22 55	0 42	14 36	0 20	16 31	1 38	28 32	16 8	23 45	23 44	4 12			n.a.
T 21	22 1	15 36	4 33	15 38	4 33	14 9	1 9	19 25	1 8	1 37	1 35	22 54	0 42	14 37	0 20	16 32	1 38	28 33	16 8	23 45	23 44	4 15			n.a.
W22	21 52	19 10	3 54	15 47	4 34	13 42	1 7	19 15	1 8	1 37	1 35	22 53	0 42	14 37	0 20	16 32	1 38	28 33	16 8	23 45	23 44	4 18			n.a.
T 23	21 42	21 56	3 3	15 57	4 34	13 15	1 5	19 4	1 7	1 37	1 36	22 51	0 42	14 38	0 20	16 32	1 38	28 34	16 9	23 45	23 44	4 20			n.a.
F 24	21 32	23 41	2 2	16 10	4 32	12 48	1 2	18 53	1 7	1 37	1 36	22 50	0 42	14 38	0 20	16 33	1 38	28 35	16 9	23 45	23 44	4 23			n.a.
S 25	21 21	24 13	0 53	16 25	4 28	12 20	1 0	18 42	1 7	1 38	1 36	22 49	0 42	14 39	0 20	16 33	1 38	28 35	16 9	23 45	23 44	4 26			n.a.
S 26	21 10	23 22	0n21	16 41	4 22	11 52	0 58	18 31	1 7	1 38	1 37	22 48	0 43	14 39	0 20	16 33	1 38	28 36	16 9	23 45	23 44	4 28			n.a.
M27	20 59	21 4	1 35	17 0	4 14	11 23	0 55	18 20	1 6	1 38	1 37	22 47	0 43	14 39	0 20	16 33	1 38	28 36	16 9	23 45	23 44	4 31			n.a.
T 28	20 48	17 27	2 46	17 19	4 4	10 54	0 52	18 9	1 6	1 39	1 37	22 46	0 43	14 40	0 20	16 34	1 38	28 37	16 10	23 45	23 44	4 34			n.a.
W29	20 36	12 43	3 47	17 39	3 53	10 25	0 50	17 57	1 6	1 39	1 37	22 45	0 43	14 40	0 20	16 34	1 38	28 37	16 10	23 45	23 44	4 36			n.a.
T 30	20 23	7 13	4 33	18 0	3 39	9 56	0 47	17 45	1 6	1 40	1 38	22 44	0 43	14 41	0 20	16 34	1 38	28 38	16 10	23 45	23 44	4 39			n.a.
F 31	20n11	1s19	5n 2	18n22	3s25	9n27	0n44	17n34	1n 5	1s40	1s38	22n43	0n43	14n41	0s20	16n34	1s38	28s38	16s10	23s45	23s43	4s42			n.a.

Julian Day Number = 1571851.5, Delta T = 04h17m10s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'39, Lahiri = - 9°36'38 Julian Calendar 1 July 410 BCE == Greg. Calendar 26 June 410 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

AUGUST 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 15 11	2♌ 1'35	29♓42	22°R34	8♍57	15♌43	29°R33	21♋37	10♉ 0	20♉43	24°R30	29°R 4	27♐39	0♎ 6	n.a.	S 1
S 2	20 19 7	2°59'44	14♈10	22♋ 5	10° 8	16°21	29♓31	21°45	10° 1	20°43	24♒29	29♐ 2	27°36	0°12	n.a.	S 2
M 3	20 23 4	3°57'54	28°25	21°43	11°19	17° 0	29°30	21°52	10° 2	20°44	24°28	29°D 0	27°33	0°19	n.a.	M 3
T 4	20 27 0	4°56'07	12♉24	21°29	12°30	17°39	29°28	22° 0	10° 3	20°45	24°27	29° 0	27°29	0°26	n.a.	T 4
W 5	20 30 57	5°54'22	26° 6	21°D23	13°42	18°18	29°26	22° 7	10° 4	20°46	24°26	29° 1	27°26	0°32	n.a.	W 5
T 6	20 34 53	6°52'39	9♊33	21°26	14°53	18°57	29°24	22°15	10° 4	20°47	24°25	29° 3	27°23	0°39	n.a.	T 6
F 7	20 38 50	7°50'58	22°45	21°38	16° 4	19°36	29°21	22°22	10° 5	20°48	24°24	29°R 4	27°20	0°46	n.a.	F 7
S 8	20 42 47	8°49'19	5♋44	21°58	17°15	20°15	29°19	22°29	10° 6	20°49	24°22	29° 4	27°17	0°53	n.a.	S 8
S 9	20 46 43	9°47'43	18°30	22°28	18°26	20°54	29°16	22°37	10° 7	20°49	24°21	29° 2	27°14	0°59	n.a.	S 9
M10	20 50 40	10°46'08	1♌ 6	23° 6	19°36	21°33	29°13	22°44	10° 7	20°50	24°20	28°58	27°10	1° 6	n.a.	M10
T 11	20 54 36	11°44'36	13°31	23°52	20°47	22°12	29°10	22°52	10° 8	20°51	24°19	28°53	27° 7	1°13	n.a.	T 11
W12	20 58 33	12°43'05	25°46	24°46	21°58	22°51	29° 7	22°59	10° 9	20°51	24°18	28°45	27° 4	1°20	n.a.	W12
T 13	21 2 29	13°41'37	7♍52	25°48	23° 9	23°30	29° 3	23° 6	10° 9	20°52	24°17	28°37	27° 1	1°26	n.a.	T 13
F 14	21 6 26	14°40'10	19°51	26°56	24°19	24°10	28°59	23°14	10° 9	20°52	24°15	28°28	26°58	1°33	n.a.	F 14
S 15	21 10 22	15°38'45	1♎45	28°11	25°30	24°49	28°55	23°21	10°10	20°53	24°14	28°20	26°54	1°40	n.a.	S 15
S 16	21 14 19	16°37'22	13°36	29°32	26°40	25°28	28°51	23°28	10°10	20°53	24°13	28°13	26°51	1°46	n.a.	S 16
M17	21 18 16	17°36'01	25°27	0♏57	27°51	26° 7	28°47	23°35	10°10	20°54	24°12	28° 9	26°48	1°53	n.a.	M17
T 18	21 22 12	18°34'42	7♏24	2°28	29° 1	26°47	28°43	23°42	10°11	20°54	24°11	28° 6	26°45	2° 0	n.a.	T 18
W19	21 26 9	19°33'24	19°31	4° 2	0♎11	27°26	28°38	23°50	10°11	20°55	24° 9	28°D 5	26°42	2° 7	n.a.	W19
T 20	21 30 5	20°32'09	1♐51	5°40	1°22	28° 6	28°33	23°57	10°11	20°55	24° 8	28° 6	26°39	2°13	n.a.	T 20
F 21	21 34 2	21°30'55	14°32	7°21	2°32	28°45	28°28	24° 4	10°11	20°55	24° 7	28° 7	26°35	2°20	n.a.	F 21
S 22	21 37 58	22°29'43	27°36	9° 4	3°42	29°25	28°23	24°11	10°R11	20°56	24° 6	28°R 8	26°32	2°27	n.a.	S 22
S 23	21 41 55	23°28'33	11♑ 7	10°49	4°52	0♍ 4	28°18	24°18	10°11	20°56	24° 4	28° 7	26°29	2°34	n.a.	S 23
M24	21 45 51	24°27'25	25° 7	12°36	6° 2	0°44	28°12	24°25	10°11	20°56	24° 3	28° 4	26°26	2°40	n.a.	M24
T 25	21 49 48	25°26'19	9♒33	14°24	7°11	1°23	28° 7	24°32	10°11	20°56	24° 2	27°59	26°23	2°47	n.a.	T 25
W26	21 53 45	26°25'15	24°21	16°12	8°21	2° 3	28° 1	24°39	10°11	20°57	24° 1	27°51	26°20	2°54	n.a.	W26
T 27	21 57 41	27°24'12	9♓24	18° 1	9°31	2°43	27°55	24°46	10°10	20°57	24° 0	27°43	26°16	3° 0	n.a.	T 27
F 28	22 1 38	28°23'12	24°31	19°51	10°40	3°22	27°49	24°52	10°10	20°57	23°58	27°33	26°13	3° 7	n.a.	F 28
S 29	22 5 34	29°22'15	9♈32	21°40	11°50	4° 2	27°43	24°59	10°10	20°57	23°57	27°25	26°10	3°14	n.a.	S 29
S 30	22 9 31	0♍21'19	24°19	23°29	12°59	4°42	27°36	25° 6	10° 9	20°R57	23°56	27°18	26° 7	3°21	n.a.	S 30
M31	22 13 27	1♍20'27	8♉46	25♌18	14♎ 9	5♍22	27♓30	25♋12	10♉ 9	20♉57	23♒55	27♐14	26♐ 4	3♎27	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n58	4n38	5n12	18n43	3s 9	8n57	0n41	17n22	1n 5	1s41	1s38	22n42	0n43	14n41	0s20	16n35	1s39	28s39	16s10	23s44	23s43	4s45		n.a.
S 2	19 44	10 16	5 1	19 4	2 52	8 27	0 38	17 10	1 5	1 42	1 39	22 40	0 43	14 42	0 20	16 35	1 39	28 40	16 10	23 44	23 43	4 47		n.a.
M 3	19 31	15 16	4 32	19 25	2 35	7 57	0 35	16 58	1 4	1 43	1 39	22 39	0 43	14 42	0 20	16 35	1 39	28 40	16 11	23 44	23 43	4 50		n.a.
T 4	19 17	19 21	3 47	19 45	2 17	7 27	0 32	16 45	1 4	1 44	1 39	22 38	0 43	14 42	0 20	16 35	1 39	28 41	16 11	23 44	23 43	4 53		n.a.
W 5	19 2	22 16	2 50	20 4	1 59	6 56	0 29	16 33	1 4	1 45	1 39	22 37	0 43	14 43	0 20	16 35	1 39	28 41	16 11	23 44	23 43	4 55		n.a.
T 6	18 47	23 53	1 44	20 22	1 40	6 25	0 26	16 20	1 4	1 46	1 40	22 36	0 44	14 43	0 20	16 35	1 39	28 42	16 11	23 44	23 43	4 58		n.a.
F 7	18 32	24 7	0 34	20 38	1 22	5 54	0 22	16 8	1 3	1 47	1 40	22 35	0 44	14 43	0 20	16 36	1 39	28 42	16 11	23 44	23 43	5 1		n.a.
S 8	18 17	23 1	0s36	20 52	1 4	5 23	0 19	15 55	1 3	1 48	1 40	22 34	0 44	14 43	0 20	16 36	1 39	28 43	16 11	23 44	23 43	5 3		n.a.
S 9	18 1	20 44	1 43	21 5	0 46	4 52	0 16	15 42	1 3	1 50	1 40	22 33	0 44	14 43	0 20	16 36	1 39	28 43	16 11	23 44	23 43	5 6		n.a.
M10	17 45	17 30	2 45	21 15	0 30	4 21	0 12	15 29	1 2	1 51	1 41	22 31	0 44	14 44	0 20	16 36	1 39	28 44	16 11	23 44	23 43	5 8		n.a.
T 11	17 29	13 31	3 37	21 23	0 13	3 50	0 9	15 16	1 2	1 53	1 41	22 30	0 44	14 44	0 20	16 36	1 39	28 44	16 11	23 44	23 43	5 11		n.a.
W12	17 12	9 3	4 18	21 29	0n 2	3 18	0 5	15 3	1 2	1 54	1 41	22 29	0 44	14 44	0 20	16 36	1 39	28 45	16 12	23 44	23 43	5 14		n.a.
T 13	16 56	4 17	4 48	21 32	0 16	2 47	0 2	14 49	1 2	1 56	1 41	22 28	0 44	14 44	0 20	16 36	1 39	28 45	16 12	23 44	23 43	5 16		n.a.
F 14	16 38	0s35	5 4	21 32	0 30	2 15	0s 2	14 36	1 1	1 58	1 42	22 27	0 44	14 44	0 20	16 37	1 39	28 46	16 12	23 44	23 43	5 19		n.a.
S 15	16 21	5 23	5 7	21 29	0 42	1 43	0 6	14 22	1 1	1 59	1 42	22 26	0 45	14 44	0 20	16 37	1 39	28 46	16 12	23 44	23 42	5 22		n.a.
S 16	16 3	9 58	4 56	21 23	0 54	1 12	0 9	14 9	1 1	2 1	1 42	22 25	0 45	14 45	0 20	16 37	1 39	28 47	16 12	23 44	23 42	5 24		n.a.
M17	15 45	14 12	4 33	21 15	1 4	0 40	0 13	13 55	1 0	2 3	1 42	22 23	0 45	14 45	0 20	16 37	1 39	28 47	16 12	23 44	23 42	5 27		n.a.
T 18	15 27	17 54	3 58	21 3	1 13	0 8	0 17	13 41	1 0	2 5	1 43	22 22	0 45	14 45	0 20	16 37	1 39	28 48	16 12	23 44	23 42	5 30		n.a.
W19	15 8	20 55	3 12	20 49	1 21	0s24	0 21	13 27	1 0	2 7	1 43	22 21	0 45	14 45	0 20	16 37	1 39	28 48	16 12	23 44	23 42	5 32		n.a.
T 20	14 50	23 1	2 16	20 31	1 29	0 55	0 25	13 13	0 59	2 9	1 43	22 20	0 45	14 45	0 20	16 37	1 39	28 49	16 12	23 44	23 42	5 35		n.a.
F 21	14 31	24 2	1 12	20 11	1 35	1 27	0 29	12 59	0 59	2 12	1 43	22 19	0 45	14 45	0 20	16 37	1 39	28 49	16 12	23 44	23 42	5 38		n.a.
S 22	14 11	23 46	0 3	19 49	1 40	1 59	0 33	12 44	0 59	2 14	1 43	22 18	0 45	14 45	0 20	16 37	1 40	28 50	16 12	23 44	23 42	5 40		n.a.
S 23	13 52	22 7	1n 9	19 24	1 44	2 31	0 36	12 30	0 58	2 16	1 44	22 17	0 45	14 45	0 20	16 37	1 40	28 50	16 12	23 44	23 42	5 43		n.a.
M24	13 32	19 6	2 19	18 57	1 47	3 2	0 40	12 15	0 58	2 18	1 44	22 15	0 46	14 45	0 20	16 37	1 40	28 51	16 12	23 44	23 42	5 45		n.a.
T 25	13 12	14 50	3 23	18 28	1 49	3 34	0 44	12 1	0 58	2 21	1 44	22 14	0 46	14 45	0 20	16 37	1 40	28 51	16 12	23 44	23 42	5 48		n.a.
W26	12 52	9 35	4 14	17 56	1 51	4 6	0 48	11 46	0 57	2 23	1 44	22 13	0 46	14 45	0 20	16 37	1 40	28 51	16 12	23 44	23 42	5 51		n.a.
T 27	12 32	3 42	4 49	17 23	1 52	4 37	0 52	11 31	0 57	2 26	1 44	22 12	0 46	14 45	0 20	16 37	1 40	28 52	16 12	23 43	23 41	5 53		n.a.
F 28	12 11	2n25	5 3	16 49	1 52	5 9	0 57	11 16	0 57	2 29	1 45	22 11	0 46	14 44	0 20	16 37	1 40	28 52	16 12	23 43	23 41	5 56		n.a.
S 29	11 50	8 22	4 57	16 13	1 51	5 40	1 1	11 2	0 56	2 31	1 45	22 10	0 46	14 44	0 20	16 37	1 40	28 53	16 12	23 43	23 41	5 58		n.a.
S 30	11 29	13 44	4 31	15 35	1 50	6 11	1 5	10 46	0 56	2 34	1 45	22 9	0 46	14 44	0 20	16 37	1 40	28 53	16 12	23 43	23 41	6 1		n.a.
M31	11n 8	18n12	3n48	14n57	1n48	6s42	1s 9	10n31	0n56	2s37	1s45	22n 8	0n46	14n44	0s20	16n37	1s40	28s54	16s12	23s43	23s41	6s 4		n.a.

Julian Day Number = 1571882.5, Delta T = 04h17m08s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'35, Lahiri = - 9°36'34 Julian Calendar 1 Aug. 410 BCE == Greg. Calendar 27 July 410 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

SEPTEMBER 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 17 24	2♍19'36	22♉49	27♌ 7	15♎18	6♍ 2	27°R23	25♋19	10°R 8	20°R57	23°R54	27°R12	26♐ 0	3♎34	n.a.	T 1
W 2	22 21 20	3°18'48	6♊29	28°55	16°27	6°41	27♓17	25°26	10♉ 8	20♉57	23♒52	27°D11	25°57	3°41	n.a.	W 2
T 3	22 25 17	4°18'03	19°47	0♍43	17°36	7°21	27°10	25°32	10° 7	20°57	23°51	27♐12	25°54	3°47	n.a.	T 3
F 4	22 29 13	5°17'20	2♋46	2°30	18°45	8° 1	27° 3	25°39	10° 7	20°57	23°50	27°R12	25°51	3°54	n.a.	F 4
S 5	22 33 10	6°16'40	15°29	4°16	19°54	8°41	26°56	25°45	10° 6	20°56	23°49	27°10	25°48	4° 1	n.a.	S 5
S 6	22 37 7	7°16'02	27°58	6° 2	21° 2	9°22	26°49	25°52	10° 5	20°56	23°48	27° 6	25°45	4° 8	n.a.	S 6
M 7	22 41 3	8°15'26	10♌18	7°47	22°11	10° 2	26°41	25°58	10° 5	20°56	23°47	27° 0	25°41	4°14	n.a.	M 7
T 8	22 45 0	9°14'52	22°30	9°31	23°19	10°42	26°34	26° 4	10° 4	20°56	23°45	26°50	25°38	4°21	n.a.	T 8
W 9	22 48 56	10°14'21	4♍34	11°14	24°28	11°22	26°26	26°10	10° 3	20°55	23°44	26°38	25°35	4°28	n.a.	W 9
T 10	22 52 53	11°13'51	16°33	12°57	25°36	12° 2	26°19	26°16	10° 2	20°55	23°43	26°24	25°32	4°35	n.a.	T 10
F 11	22 56 49	12°13'24	28°28	14°39	26°44	12°42	26°11	26°23	10° 1	20°55	23°42	26°10	25°29	4°41	n.a.	F 11
S 12	23 0 46	13°12'59	10♎20	16°20	27°52	13°23	26° 3	26°29	10° 0	20°54	23°41	25°57	25°25	4°48	n.a.	S 12
S 13	23 4 42	14°12'36	22°10	18° 1	29° 0	14° 3	25°56	26°35	9°59	20°54	23°40	25°45	25°22	4°55	n.a.	S 13
M14	23 8 39	15°12'15	4♏ 2	19°41	0♏ 8	14°44	25°48	26°40	9°58	20°53	23°38	25°36	25°19	5° 1	n.a.	M14
T 15	23 12 35	16°11'56	15°58	21°20	1°15	15°24	25°40	26°46	9°56	20°53	23°37	25°30	25°16	5° 8	n.a.	T 15
W16	23 16 32	17°11'39	28° 2	22°58	2°23	16° 4	25°32	26°52	9°55	20°52	23°36	25°27	25°13	5°15	n.a.	W16
T 17	23 20 29	18°11'24	10♐19	24°36	3°30	16°45	25°24	26°58	9°54	20°52	23°35	25°25	25°10	5°22	n.a.	T 17
F 18	23 24 25	19°11'10	22°54	26°13	4°38	17°26	25°16	27° 3	9°53	20°51	23°34	25°25	25° 6	5°28	n.a.	F 18
S 19	23 28 22	20°10'58	5♑51	27°50	5°45	18° 6	25° 8	27° 9	9°51	20°51	23°33	25°25	25° 3	5°35	n.a.	S 19
S 20	23 32 18	21°10'49	19°16	29°26	6°51	18°47	25° 0	27°15	9°50	20°50	23°32	25°24	25° 0	5°42	n.a.	S 20
M21	23 36 15	22°10'41	3♒10	1♎ 1	7°58	19°27	24°52	27°20	9°48	20°49	23°31	25°20	24°57	5°48	n.a.	M21
T 22	23 40 11	23°10'34	17°35	2°36	9° 5	20° 8	24°43	27°25	9°47	20°48	23°30	25°13	24°54	5°55	n.a.	T 22
W23	23 44 8	24°10'30	2♓26	4°10	10°11	20°49	24°35	27°31	9°45	20°48	23°29	25° 4	24°51	6° 2	n.a.	W23
T 24	23 48 4	25°10'27	17°38	5°44	11°17	21°30	24°27	27°36	9°44	20°47	23°28	24°54	24°47	6° 9	n.a.	T 24
F 25	23 52 1	26°10'26	2♈59	7°17	12°23	22°10	24°19	27°41	9°42	20°46	23°27	24°42	24°44	6°15	n.a.	F 25
S 26	23 55 58	27°10'28	18°17	8°50	13°29	22°51	24°11	27°46	9°41	20°45	23°26	24°31	24°41	6°22	n.a.	S 26
S 27	23 59 54	28°10'31	3♉22	10°22	14°35	23°32	24° 3	27°51	9°39	20°44	23°25	24°22	24°38	6°29	n.a.	S 27
M28	0 3 51	29°10'37	18° 6	11°53	15°40	24°13	23°55	27°56	9°37	20°43	23°24	24°16	24°35	6°36	n.a.	M28
T 29	0 7 47	0♎10'45	2♊22	13°24	16°45	24°54	23°47	28° 1	9°35	20°43	23°23	24°13	24°31	6°42	n.a.	T 29
W30	0 11 44	1♎10'55	16♊ 9	14♎55	17♏50	25♍35	23♓39	28♋ 6	9♉34	20♉42	23♒22	24♐12	24♐28	6♎49	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n47	21n29	2n52	14n17	1n46	7s13	1s13	10n16	0n55	2s39	1s45	22n 7	0n47	14n44	0s20	16n37	1s40	28s54	16s12	23s43	23s41	6s 6		n.a.
W 2	10 25	23 26	1 48	13 36	1 43	7 44	1 17	10 1	0 55	2 42	1 45	22 5	0 47	14 44	0 20	16 37	1 40	28 54	16 12	23 43	23 41	6 9		n.a.
T 3	10 3	24 0	0 39	12 55	1 40	8 14	1 21	9 46	0 54	2 45	1 46	22 4	0 47	14 44	0 20	16 37	1 40	28 55	16 12	23 43	23 41	6 11		n.a.
F 4	9 41	23 13	0s30	12 13	1 36	8 45	1 25	9 30	0 54	2 48	1 46	22 3	0 47	14 43	0 20	16 37	1 40	28 55	16 12	23 43	23 41	6 14		n.a.
S 5	9 19	21 15	1 35	11 30	1 32	9 15	1 29	9 15	0 54	2 51	1 46	22 2	0 47	14 43	0 20	16 37	1 40	28 55	16 12	23 43	23 41	6 17		n.a.
S 6	8 57	18 17	2 36	10 46	1 28	9 45	1 33	8 59	0 53	2 54	1 46	22 1	0 47	14 43	0 20	16 36	1 40	28 56	16 12	23 43	23 41	6 19		n.a.
M 7	8 35	14 34	3 27	10 3	1 23	10 15	1 38	8 43	0 53	2 57	1 46	22 0	0 47	14 43	0 20	16 36	1 40	28 56	16 12	23 43	23 40	6 22		n.a.
T 8	8 12	10 16	4 9	9 18	1 18	10 45	1 42	8 27	0 53	3 0	1 46	21 59	0 48	14 42	0 20	16 36	1 40	28 57	16 12	23 42	23 40	6 24		n.a.
W 9	7 49	5 38	4 39	8 34	1 13	11 14	1 46	8 12	0 52	3 3	1 46	21 58	0 48	14 42	0 20	16 36	1 40	28 57	16 12	23 42	23 40	6 27		n.a.
T 10	7 27	0 50	4 56	7 49	1 8	11 43	1 50	7 56	0 52	3 6	1 46	21 57	0 48	14 42	0 20	16 36	1 40	28 57	16 12	23 42	23 40	6 30		n.a.
F 11	7 4	3s57	5 0	7 4	1 2	12 12	1 54	7 40	0 51	3 9	1 46	21 56	0 48	14 41	0 20	16 36	1 41	28 57	16 11	23 41	23 40	6 32		n.a.
S 12	6 41	8 35	4 51	6 19	0 56	12 41	1 58	7 24	0 51	3 13	1 46	21 55	0 48	14 41	0 20	16 36	1 41	28 58	16 11	23 41	23 40	6 35		n.a.
S 13	6 17	12 54	4 29	5 34	0 50	13 9	2 2	7 8	0 51	3 16	1 46	21 54	0 48	14 41	0 20	16 36	1 41	28 58	16 11	23 41	23 40	6 37		n.a.
M14	5 54	16 43	3 56	4 49	0 44	13 37	2 6	6 52	0 50	3 19	1 47	21 53	0 48	14 40	0 20	16 35	1 41	28 58	16 11	23 40	23 40	6 40		n.a.
T 15	5 31	19 53	3 12	4 4	0 38	14 5	2 10	6 35	0 50	3 22	1 47	21 52	0 49	14 40	0 20	16 35	1 41	28 59	16 11	23 40	23 40	6 42		n.a.
W16	5 7	22 14	2 19	3 18	0 32	14 32	2 14	6 19	0 49	3 26	1 47	21 51	0 49	14 40	0 20	16 35	1 41	28 59	16 11	23 40	23 39	6 45		n.a.
T 17	4 44	23 35	1 19	2 33	0 25	15 0	2 17	6 3	0 49	3 29	1 47	21 50	0 49	14 39	0 20	16 35	1 41	28 59	16 11	23 40	23 39	6 48		n.a.
F 18	4 20	23 46	0 13	1 48	0 19	15 26	2 21	5 46	0 49	3 32	1 47	21 49	0 49	14 39	0 20	16 35	1 41	28 59	16 11	23 40	23 39	6 50		n.a.
S 19	3 56	22 42	0n55	1 3	0 12	15 53	2 25	5 30	0 48	3 35	1 47	21 48	0 49	14 38	0 20	16 34	1 41	29 0	16 10	23 40	23 39	6 53		n.a.
S 20	3 32	20 19	2 2	0 19	0 5	16 19	2 29	5 14	0 48	3 38	1 47	21 47	0 49	14 38	0 20	16 34	1 41	29 0	16 10	23 40	23 39	6 55		n.a.
M21	3 8	16 42	3 5	0s26	0s 1	16 45	2 33	4 57	0 47	3 42	1 47	21 46	0 49	14 37	0 20	16 34	1 41	29 0	16 10	23 40	23 39	6 58		n.a.
T 22	2 45	11 59	3 58	1 10	0 8	17 10	2 36	4 40	0 47	3 45	1 47	21 45	0 50	14 37	0 20	16 34	1 41	29 0	16 10	23 39	23 39	7 0		n.a.
W23	2 21	6 26	4 37	1 54	0 15	17 35	2 40	4 24	0 47	3 48	1 47	21 44	0 50	14 36	0 20	16 33	1 41	29 1	16 10	23 39	23 39	7 3		n.a.
T 24	1 56	0 23	4 58	2 38	0 22	17 59	2 43	4 7	0 46	3 51	1 47	21 43	0 50	14 36	0 20	16 33	1 41	29 1	16 10	23 39	23 38	7 5		n.a.
F 25	1 32	5n44	4 57	3 22	0 28	18 24	2 47	3 50	0 46	3 55	1 47	21 42	0 50	14 35	0 20	16 33	1 41	29 1	16 9	23 38	23 38	7 8		n.a.
S 26	1 8	11 29	4 35	4 5	0 35	18 47	2 50	3 34	0 45	3 58	1 46	21 42	0 50	14 35	0 20	16 33	1 41	29 1	16 9	23 38	23 38	7 10		n.a.
S 27	0 44	16 27	3 54	4 47	0 42	19 10	2 54	3 17	0 45	4 1	1 46	21 41	0 50	14 34	0 20	16 32	1 41	29 1	16 9	23 37	23 38	7 13		n.a.
M28	0 20	20 17	2 58	5 30	0 48	19 33	2 57	3 0	0 44	4 4	1 46	21 40	0 51	14 34	0 20	16 32	1 41	29 1	16 9	23 37	23 38	7 16		n.a.
T 29	0s 4	22 44	1 53	6 12	0 55	19 56	3 0	2 43	0 44	4 7	1 46	21 39	0 51	14 33	0 20	16 32	1 41	29 2	16 9	23 37	23 38	7 18		n.a.
W30	0s29	23n43	0n42	6s53	1s 1	20s17	3s 3	2n26	0n43	4s11	1s46	21n38	0n51	14n33	0s20	16n32	1s41	29s 2	16s 8	23s37	23s38	7s21		n.a.

Julian Day Number = 1571913.5, Delta T = 04h17m07s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'30, Lahiri = - 9°36'30 Julian Calendar 1 Sept. 410 BCE == Greg. Calendar 27 Aug. 410 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

OCTOBER 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 15 40	2♎11'08	29♊30	16♎25	18♏55	26♍16	23°R31	28♋10	9°R32	20°R41	23°R21	24°R11	24♐25	6♎56	n.a.	T 1
F 2	0 19 37	3°11'22	12♋26	17°55	19°59	26°57	23♓23	28°15	9♉30	20♉40	23♒20	24♐11	24°22	7° 2	n.a.	F 2
S 3	0 23 33	4°11'39	25° 3	19°24	21° 4	27°39	23°15	28°20	9°28	20°39	23°19	24°10	24°19	7° 9	n.a.	S 3
S 4	0 27 30	5°11'58	7♌25	20°53	22° 8	28°20	23° 7	28°24	9°26	20°38	23°19	24° 6	24°16	7°16	n.a.	S 4
M 5	0 31 27	6°12'19	19°35	22°21	23°11	29° 1	22°59	28°28	9°24	20°36	23°18	23°59	24°12	7°23	n.a.	M 5
T 6	0 35 23	7°12'42	1♍37	23°48	24°15	29°42	22°52	28°33	9°22	20°35	23°17	23°49	24° 9	7°29	n.a.	T 6
W 7	0 39 20	8°13'07	13°34	25°15	25°18	0♎24	22°44	28°37	9°20	20°34	23°16	23°37	24° 6	7°36	n.a.	W 7
T 8	0 43 16	9°13'34	25°27	26°42	26°21	1° 5	22°37	28°41	9°18	20°33	23°15	23°23	24° 3	7°43	n.a.	T 8
F 9	0 47 13	10°14'02	7♎19	28° 7	27°24	1°47	22°29	28°45	9°16	20°32	23°15	23° 9	24° 0	7°49	n.a.	F 9
S 10	0 51 9	11°14'32	19°11	29°32	28°26	2°28	22°22	28°49	9°14	20°31	23°14	22°55	23°57	7°56	n.a.	S 10
S 11	0 55 6	12°15'04	1♏ 4	0♏57	29°28	3°10	22°15	28°53	9°12	20°29	23°13	22°43	23°53	8° 3	n.a.	S 11
M12	0 59 2	13°15'38	13° 0	2°20	0♐30	3°51	22° 7	28°56	9° 9	20°28	23°12	22°34	23°50	8°10	n.a.	M12
T 13	1 2 59	14°16'13	25° 0	3°43	1°31	4°33	22° 0	29° 0	9° 7	20°27	23°12	22°28	23°47	8°16	n.a.	T 13
W14	1 6 55	15°16'50	7♐ 8	5° 5	2°32	5°14	21°54	29° 4	9° 5	20°25	23°11	22°24	23°44	8°23	n.a.	W14
T 15	1 10 52	16°17'28	19°27	6°25	3°33	5°56	21°47	29° 7	9° 3	20°24	23°10	22°D23	23°41	8°30	n.a.	T 15
F 16	1 14 49	17°18'08	2♑ 0	7°45	4°33	6°38	21°40	29°10	9° 0	20°23	23°10	22°23	23°37	8°36	n.a.	F 16
S 17	1 18 45	18°18'49	14°54	9° 3	5°33	7°20	21°34	29°14	8°58	20°21	23° 9	22°R24	23°34	8°43	n.a.	S 17
S 18	1 22 42	19°19'31	28°10	10°19	6°33	8° 1	21°27	29°17	8°56	20°20	23° 8	22°23	23°31	8°50	n.a.	S 18
M19	1 26 38	20°20'14	11♒54	11°34	7°32	8°43	21°21	29°20	8°53	20°19	23° 8	22°21	23°28	8°57	n.a.	M19
T 20	1 30 35	21°20'59	26° 5	12°47	8°30	9°25	21°15	29°23	8°51	20°17	23° 7	22°17	23°25	9° 3	n.a.	T 20
W21	1 34 31	22°21'44	10♓44	13°58	9°28	10° 7	21° 9	29°26	8°49	20°16	23° 7	22°10	23°22	9°10	n.a.	W21
T 22	1 38 28	23°22'31	25°45	15° 6	10°26	10°49	21° 4	29°28	8°46	20°14	23° 6	22° 2	23°18	9°17	n.a.	T 22
F 23	1 42 24	24°23'19	11♈ 0	16°11	11°23	11°31	20°58	29°31	8°44	20°13	23° 6	21°52	23°15	9°24	n.a.	F 23
S 24	1 46 21	25°24'08	26°19	17°13	12°20	12°13	20°53	29°34	8°41	20°11	23° 5	21°44	23°12	9°30	n.a.	S 24
S 25	1 50 18	26°24'59	11♉29	18°11	13°16	12°55	20°47	29°36	8°39	20°10	23° 5	21°36	23° 9	9°37	n.a.	S 25
M26	1 54 14	27°25'51	26°22	19° 6	14°11	13°37	20°42	29°38	8°36	20° 8	23° 4	21°32	23° 6	9°44	n.a.	M26
T 27	1 58 11	28°26'44	10♊50	19°55	15° 6	14°19	20°37	29°41	8°34	20° 7	23° 4	21°29	23° 2	9°50	n.a.	T 27
W28	2 2 7	29°27'39	24°49	20°39	16° 1	15° 2	20°32	29°43	8°31	20° 5	23° 4	21°D29	22°59	9°57	n.a.	W28
T 29	2 6 4	0♏28'36	8♋19	21°17	16°54	15°44	20°28	29°45	8°29	20° 3	23° 3	21°29	22°56	10° 4	n.a.	T 29
F 30	2 10 0	1°29'34	21°22	21°47	17°47	16°26	20°24	29°47	8°26	20° 2	23° 3	21°31	22°53	10°11	n.a.	F 30
S 31	2 13 57	2♏30'33	4♌ 2	22♏11	18♐40	17♎ 9	20♓19	29♋49	8♉24	20♉ 0	23♒ 3	21°R31	22♐50	10♎17	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	0s53	23n17	0s28	7s35	1s 8	20s39	3s 6	2n 9	0n43	4s14	1s46	21n37	0n51	14n32	0s20	16n31	1s41	29s 2	16s 8	23s37	23s38	7s23			n.a.
F 2	1 17	21 35	1 35	8 15	1 14	21 0	3 9	1 52	0 43	4 17	1 46	21 37	0 51	14 31	0 20	16 31	1 41	29 2	16 8	23 37	23 37	7 26			n.a.
S 3	1 41	18 51	2 35	8 55	1 20	21 20	3 12	1 35	0 42	4 20	1 46	21 36	0 51	14 31	0 20	16 31	1 41	29 2	16 8	23 37	23 37	7 28			n.a.
S 4	2 5	15 19	3 27	9 35	1 26	21 40	3 15	1 18	0 42	4 23	1 46	21 35	0 52	14 30	0 20	16 30	1 41	29 2	16 8	23 37	23 37	7 31			n.a.
M 5	2 30	11 12	4 9	10 14	1 32	21 59	3 18	1 1	0 41	4 26	1 46	21 34	0 52	14 30	0 20	16 30	1 42	29 2	16 7	23 36	23 37	7 33			n.a.
T 6	2 54	6 42	4 38	10 52	1 38	22 18	3 20	0 44	0 41	4 29	1 46	21 34	0 52	14 29	0 20	16 30	1 42	29 2	16 7	23 36	23 37	7 36			n.a.
W 7	3 18	2 0	4 56	11 30	1 44	22 36	3 23	0 27	0 40	4 32	1 45	21 33	0 52	14 28	0 20	16 29	1 42	29 2	16 7	23 35	23 37	7 38			n.a.
T 8	3 42	2s45	5 0	12 7	1 49	22 54	3 25	0 10	0 40	4 35	1 45	21 32	0 52	14 28	0 20	16 29	1 42	29 2	16 7	23 35	23 37	7 41			n.a.
F 9	4 6	7 23	4 51	12 43	1 55	23 11	3 27	0s 7	0 39	4 37	1 45	21 32	0 52	14 27	0 20	16 29	1 42	29 2	16 6	23 34	23 36	7 43			n.a.
S 10	4 30	11 45	4 30	13 19	2 0	23 28	3 29	0 24	0 39	4 40	1 45	21 31	0 53	14 26	0 20	16 28	1 42	29 2	16 6	23 33	23 36	7 46			n.a.
S 11	4 54	15 41	3 57	13 54	2 5	23 44	3 31	0 41	0 38	4 43	1 45	21 30	0 53	14 25	0 20	16 28	1 42	29 2	16 6	23 33	23 36	7 48			n.a.
M12	5 18	19 0	3 13	14 27	2 9	23 59	3 33	0 58	0 38	4 46	1 45	21 30	0 53	14 25	0 20	16 28	1 42	29 2	16 6	23 32	23 36	7 51			n.a.
T 13	5 42	21 31	2 20	15 0	2 14	24 14	3 35	1 15	0 37	4 48	1 44	21 29	0 53	14 24	0 20	16 27	1 42	29 2	16 5	23 32	23 36	7 53			n.a.
W14	6 6	23 6	1 20	15 32	2 18	24 28	3 37	1 33	0 37	4 51	1 44	21 29	0 53	14 23	0 20	16 27	1 42	29 2	16 5	23 31	23 36	7 56			n.a.
T 15	6 29	23 35	0 16	16 3	2 21	24 42	3 38	1 50	0 36	4 53	1 44	21 28	0 53	14 23	0 20	16 26	1 42	29 2	16 5	23 31	23 35	7 58			n.a.
F 16	6 53	22 53	0n51	16 33	2 24	24 55	3 40	2 7	0 36	4 56	1 44	21 28	0 54	14 22	0 20	16 26	1 42	29 2	16 4	23 31	23 35	8 1			n.a.
S 17	7 16	20 58	1 57	17 1	2 27	25 8	3 41	2 24	0 35	4 58	1 44	21 27	0 54	14 21	0 20	16 26	1 42	29 2	16 4	23 31	23 35	8 3			n.a.
S 18	7 39	17 52	2 59	17 28	2 30	25 19	3 42	2 41	0 35	5 0	1 43	21 27	0 54	14 20	0 20	16 25	1 42	29 2	16 4	23 31	23 35	8 6			n.a.
M19	8 3	13 43	3 52	17 54	2 32	25 31	3 43	2 58	0 34	5 3	1 43	21 26	0 54	14 20	0 20	16 25	1 42	29 2	16 4	23 31	23 35	8 8			n.a.
T 20	8 26	8 42	4 34	18 18	2 33	25 41	3 44	3 16	0 34	5 5	1 43	21 26	0 54	14 19	0 20	16 24	1 42	29 2	16 3	23 31	23 35	8 11			n.a.
W21	8 49	3 2	4 59	18 41	2 34	25 51	3 45	3 33	0 33	5 7	1 43	21 25	0 55	14 18	0 20	16 24	1 42	29 2	16 3	23 31	23 35	8 13			n.a.
T 22	9 12	2n56	5 4	19 2	2 34	26 1	3 45	3 50	0 33	5 9	1 42	21 25	0 55	14 17	0 20	16 24	1 42	29 2	16 3	23 30	23 34	8 15			n.a.
F 23	9 34	8 49	4 48	19 21	2 34	26 9	3 46	4 7	0 32	5 11	1 42	21 24	0 55	14 17	0 20	16 23	1 42	29 2	16 2	23 30	23 34	8 18			n.a.
S 24	9 57	14 10	4 11	19 38	2 33	26 17	3 46	4 24	0 32	5 13	1 42	21 24	0 55	14 16	0 20	16 23	1 42	29 2	16 2	23 29	23 34	8 20			n.a.
S 25	10 19	18 35	3 17	19 53	2 31	26 25	3 46	4 41	0 31	5 15	1 42	21 24	0 55	14 15	0 20	16 22	1 42	29 2	16 2	23 29	23 34	8 23			n.a.
M26	10 41	21 42	2 10	20 5	2 28	26 31	3 45	4 58	0 31	5 17	1 41	21 23	0 56	14 14	0 20	16 22	1 42	29 1	16 1	23 28	23 34	8 25			n.a.
T 27	11 3	23 18	0 57	20 15	2 24	26 38	3 45	5 15	0 30	5 18	1 41	21 23	0 56	14 13	0 20	16 21	1 42	29 1	16 1	23 28	23 34	8 28			n.a.
W28	11 25	23 21	0s18	20 23	2 20	26 43	3 45	5 32	0 30	5 20	1 41	21 23	0 56	14 13	0 20	16 21	1 42	29 1	16 1	23 28	23 33	8 30			n.a.
T 29	11 47	22 0	1 29	20 27	2 14	26 48	3 44	5 49	0 29	5 22	1 41	21 23	0 56	14 12	0 20	16 21	1 42	29 1	16 0	23 28	23 33	8 33			n.a.
F 30	12 9	19 30	2 34	20 29	2 6	26 52	3 43	6 6	0 29	5 23	1 40	21 22	0 56	14 11	0 20	16 20	1 42	29 1	16 0	23 28	23 33	8 35			n.a.
S 31	12s30	16n 7	3s29	20s26	1s58	26s56	3s42	6s23	0n28	5s25	1s40	21n22	0n56	14n10	0s20	16n20	1s42	29s 1	16s 0	23s28	23s33	8s38			n.a.

Julian Day Number = 1571943.5, Delta T = 04h17m06s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'26, Lahiri = - 9°36'26 Julian Calendar 1 Oct. 410 BCE == Greg. Calendar 26 Sept. 410 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

NOVEMBER 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 17 53	3♏31'33	16♌24	22♏25	19♐31	17♎51	20°R15	29♋50	8°R21	19°R59	23°R 2	21°R30	22♐47	10♎24	n.a.	S 1
M 2	2 21 50	4°32'35	28°32	22°R31	20°22	18°34	20♓11	29°52	8♉19	19♉57	23♒ 2	21♐27	22°43	10°31	n.a.	M 2
T 3	2 25 47	5°33'38	10♍30	22°26	21°12	19°16	20° 8	29°53	8°16	19°55	23° 2	21°22	22°40	10°37	n.a.	T 3
W 4	2 29 43	6°34'43	22°23	22°10	22° 2	19°59	20° 4	29°55	8°14	19°54	23° 2	21°15	22°37	10°44	n.a.	W 4
T 5	2 33 40	7°35'48	4♎14	21°44	22°50	20°41	20° 1	29°56	8°11	19°52	23° 1	21° 6	22°34	10°51	n.a.	T 5
F 6	2 37 36	8°36'55	16° 6	21° 6	23°38	21°24	19°58	29°57	8° 9	19°50	23° 1	20°57	22°31	10°58	n.a.	F 6
S 7	2 41 33	9°38'02	28° 0	20°17	24°25	22° 6	19°55	29°58	8° 6	19°49	23° 1	20°49	22°28	11° 4	n.a.	S 7
S 8	2 45 29	10°39'11	9♏59	19°17	25°11	22°49	19°53	29°59	8° 4	19°47	23° 1	20°42	22°24	11°11	n.a.	S 8
M 9	2 49 26	11°40'20	22° 3	18° 9	25°56	23°32	19°50	29°59	8° 1	19°45	23° 1	20°36	22°21	11°18	n.a.	M 9
T 10	2 53 22	12°41'30	4♐14	16°53	26°39	24°15	19°48	0♌ 1	7°58	19°44	23° 1	20°33	22°18	11°24	n.a.	T 10
W11	2 57 19	13°42'41	16°34	15°33	27°22	24°58	19°46	0° 1	7°56	19°42	23° 1	20°D31	22°15	11°31	n.a.	W11
T 12	3 1 16	14°43'53	29° 4	14°10	28° 4	25°40	19°44	0° 2	7°53	19°40	23°D 1	20°32	22°12	11°38	n.a.	T 12
F 13	3 5 12	15°45'04	11♑47	12°48	28°45	26°23	19°42	0° 2	7°51	19°39	23° 1	20°33	22° 8	11°45	n.a.	F 13
S 14	3 9 9	16°46'17	24°45	11°29	29°24	27° 6	19°41	0° 2	7°48	19°37	23° 1	20°35	22° 5	11°51	n.a.	S 14
S 15	3 13 5	17°47'29	8♒ 2	10°16	0♑ 2	27°49	19°40	0° 3	7°46	19°35	23° 1	20°36	22° 2	11°58	n.a.	S 15
M16	3 17 2	18°48'42	21°39	9°11	0°39	28°32	19°39	0°R 3	7°43	19°34	23° 1	20°R36	21°59	12° 5	n.a.	M16
T 17	3 20 58	19°49'55	5♓38	8°15	1°14	29°15	19°38	0° 3	7°41	19°32	23° 1	20°35	21°56	12°11	n.a.	T 17
W18	3 24 55	20°51'08	19°58	7°29	1°48	29°59	19°37	0° 2	7°39	19°30	23° 1	20°33	21°53	12°18	n.a.	W18
T 19	3 28 52	21°52'21	4♈37	6°55	2°21	0♏42	19°37	0° 2	7°36	19°28	23° 1	20°29	21°49	12°25	n.a.	T 19
F 20	3 32 48	22°53'34	19°29	6°31	2°52	1°25	19°D37	0° 2	7°34	19°27	23° 2	20°25	21°46	12°32	n.a.	F 20
S 21	3 36 45	23°54'47	4♉28	6°18	3°21	2° 8	19°37	0° 1	7°31	19°25	23° 2	20°21	21°43	12°38	n.a.	S 21
S 22	3 40 41	24°56'01	19°24	6°D15	3°48	2°51	19°37	0° 1	7°29	19°23	23° 2	20°18	21°40	12°45	n.a.	S 22
M23	3 44 38	25°57'15	4♊10	6°22	4°14	3°35	19°38	29♋59	7°26	19°22	23° 2	20°16	21°37	12°52	n.a.	M23
T 24	3 48 34	26°58'29	18°37	6°37	4°39	4°18	19°38	29°59	7°24	19°20	23° 2	20°D15	21°34	12°58	n.a.	T 24
W25	3 52 31	27°59'44	2♋40	7° 1	5° 1	5° 1	19°39	29°58	7°22	19°18	23° 3	20°16	21°30	13° 5	n.a.	W25
T 26	3 56 27	29° 0'59	16°17	7°31	5°21	5°45	19°40	29°57	7°19	19°17	23° 3	20°17	21°27	13°12	n.a.	T 26
F 27	4 0 24	0♐ 2'14	29°29	8° 8	5°40	6°28	19°42	29°56	7°17	19°15	23° 3	20°18	21°24	13°19	n.a.	F 27
S 28	4 4 21	1° 3'30	12♌16	8°51	5°56	7°12	19°43	29°55	7°15	19°13	23° 4	20°20	21°21	13°25	n.a.	S 28
S 29	4 8 17	2° 4'45	24°43	9°39	6°10	7°56	19°45	29°53	7°13	19°12	23° 4	20°21	21°18	13°32	n.a.	S 29
M30	4 12 14	3♐ 6'01	6♍54	10♏32	6♑22	8♏39	19♓47	29♋52	7♉10	19♉10	23♒ 5	20°R21	21♐14	13♎39	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	12s51	12n 7	4s12	20s21	1s48	26s59	3s40	6s40	0n27	5s26	1s40	21n22	0n57	14n 9	0s20	16n19	1s42	29s 0	15s59	23s28	23s33	8s40		n.a.
M 2	13 12	7 42	4 44	20 11	1 36	27 1	3 39	6 57	0 27	5 27	1 39	21 22	0 57	14 8	0 20	16 19	1 42	29 0	15 59	23 28	23 33	8 42		n.a.
T 3	13 33	3 4	5 2	19 57	1 23	27 3	3 37	7 14	0 26	5 28	1 39	21 22	0 57	14 8	0 20	16 18	1 42	29 0	15 59	23 28	23 32	8 45		n.a.
W 4	13 53	1s39	5 8	19 39	1 9	27 4	3 35	7 31	0 26	5 29	1 39	21 22	0 57	14 7	0 20	16 18	1 42	29 0	15 58	23 27	23 32	8 47		n.a.
T 5	14 13	6 17	5 0	19 16	0 53	27 5	3 32	7 47	0 25	5 30	1 38	21 22	0 57	14 6	0 20	16 18	1 42	28 59	15 58	23 27	23 32	8 50		n.a.
F 6	14 33	10 42	4 39	18 49	0 35	27 5	3 30	8 4	0 25	5 31	1 38	21 21	0 58	14 5	0 20	16 17	1 42	28 59	15 58	23 26	23 32	8 52		n.a.
S 7	14 53	14 43	4 6	18 18	0 16	27 4	3 27	8 21	0 24	5 32	1 38	21 21	0 58	14 4	0 20	16 17	1 42	28 59	15 57	23 25	23 32	8 55		n.a.
S 8	15 12	18 11	3 22	17 43	0n 3	27 3	3 24	8 37	0 23	5 33	1 38	21 21	0 58	14 4	0 20	16 16	1 42	28 59	15 57	23 25	23 31	8 57		n.a.
M 9	15 32	20 54	2 29	17 4	0 24	27 1	3 20	8 54	0 23	5 34	1 37	21 21	0 58	14 3	0 20	16 16	1 42	28 58	15 57	23 24	23 31	8 59		n.a.
T 10	15 51	22 42	1 28	16 23	0 44	26 59	3 17	9 10	0 22	5 34	1 37	21 21	0 58	14 2	0 20	16 15	1 42	28 58	15 56	23 24	23 31	9 2		n.a.
W11	16 9	23 25	0 22	15 41	1 4	26 56	3 13	9 27	0 22	5 35	1 37	21 22	0 59	14 1	0 20	16 15	1 42	28 58	15 56	23 24	23 31	9 4		n.a.
T 12	16 28	22 58	0n46	14 57	1 24	26 52	3 9	9 43	0 21	5 35	1 36	21 22	0 59	14 0	0 20	16 14	1 42	28 57	15 56	23 24	23 31	9 7		n.a.
F 13	16 46	21 20	1 53	14 15	1 42	26 48	3 4	9 59	0 21	5 36	1 36	21 22	0 59	13 59	0 20	16 14	1 42	28 57	15 55	23 24	23 30	9 9		n.a.
S 14	17 4	18 34	2 56	13 35	1 59	26 44	2 59	10 16	0 20	5 36	1 36	21 22	0 59	13 59	0 20	16 13	1 42	28 57	15 55	23 24	23 30	9 11		n.a.
S 15	17 21	14 47	3 51	12 59	2 13	26 39	2 54	10 32	0 19	5 36	1 35	21 22	0 59	13 58	0 20	16 13	1 42	28 56	15 55	23 24	23 30	9 14		n.a.
M16	17 38	10 9	4 34	12 26	2 25	26 33	2 49	10 48	0 19	5 36	1 35	21 22	1 0	13 57	0 20	16 12	1 42	28 56	15 54	23 24	23 30	9 16		n.a.
T 17	17 55	4 53	5 2	11 59	2 36	26 27	2 43	11 4	0 18	5 36	1 35	21 22	1 0	13 56	0 20	16 12	1 42	28 56	15 54	23 24	23 30	9 19		n.a.
W18	18 12	0n46	5 13	11 37	2 43	26 21	2 37	11 20	0 18	5 36	1 34	21 23	1 0	13 55	0 20	16 12	1 42	28 55	15 54	23 24	23 30	9 21		n.a.
T 19	18 28	6 29	5 4	11 20	2 49	26 14	2 30	11 36	0 17	5 36	1 34	21 23	1 0	13 55	0 20	16 11	1 42	28 55	15 53	23 24	23 29	9 23		n.a.
F 20	18 44	11 56	4 34	11 9	2 53	26 6	2 23	11 52	0 16	5 36	1 34	21 23	1 0	13 54	0 20	16 11	1 42	28 55	15 53	23 24	23 29	9 26		n.a.
S 21	18 59	16 42	3 45	11 3	2 55	25 58	2 16	12 7	0 16	5 35	1 33	21 23	1 1	13 53	0 20	16 10	1 42	28 54	15 53	23 23	23 29	9 28		n.a.
S 22	19 15	20 23	2 41	11 2	2 55	25 50	2 9	12 23	0 15	5 35	1 33	21 24	1 1	13 52	0 20	16 10	1 42	28 54	15 52	23 23	23 29	9 30		n.a.
M23	19 29	22 41	1 27	11 5	2 54	25 41	2 1	12 38	0 14	5 34	1 33	21 24	1 1	13 52	0 20	16 9	1 42	28 53	15 52	23 23	23 29	9 33		n.a.
T 24	19 44	23 24	0 9	11 12	2 51	25 32	1 52	12 54	0 14	5 34	1 32	21 25	1 1	13 51	0 20	16 9	1 42	28 53	15 52	23 23	23 28	9 35		n.a.
W25	19 58	22 35	1s 8	11 23	2 48	25 23	1 44	13 9	0 13	5 33	1 32	21 25	1 1	13 50	0 20	16 8	1 42	28 53	15 51	23 23	23 28	9 38		n.a.
T 26	20 12	20 27	2 19	11 37	2 44	25 13	1 35	13 25	0 13	5 32	1 32	21 25	1 2	13 49	0 20	16 8	1 42	28 52	15 51	23 23	23 28	9 40		n.a.
F 27	20 25	17 16	3 20	11 54	2 39	25 2	1 25	13 40	0 12	5 32	1 31	21 26	1 2	13 49	0 20	16 8	1 42	28 52	15 51	23 23	23 28	9 42		n.a.
S 28	20 38	13 21	4 9	12 13	2 33	24 52	1 15	13 55	0 11	5 31	1 31	21 26	1 2	13 48	0 20	16 7	1 42	28 51	15 50	23 23	23 27	9 45		n.a.
S 29	20 51	8 58	4 45	12 35	2 27	24 41	1 5	14 10	0 11	5 30	1 31	21 27	1 2	13 47	0 20	16 7	1 42	28 51	15 50	23 23	23 27	9 47		n.a.
M30	21s 3	4n20	5s 7	12s57	2n20	24s29	0s54	14s25	0n10	5s29	1s30	21n27	1n 2	13n46	0s20	16n 6	1s42	28s50	15s50	23s23	23s27	9s49		n.a.

Julian Day Number = 1571974.5, Delta T = 04h17m05s
Ecliptic obliquity = 23°44'41, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'22, Lahiri = - 9°36'22 Julian Calendar 1 Nov. 410 BCE == Greg. Calendar 27 Oct. 410 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 410 BCE
geocentric

DECEMBER 410 BCE (-409) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 16 10	4♐ 7'18	18♍54	11♏28	6♑32	9♏23	19♓49	29°R50	7°R 8	19°R 8	23♒ 5	20°R20	21♐11	13♎45	n.a.	T 1
W 2	4 20 7	5° 8'34	0♎47	12°29	6°39	10° 6	19°51	29♋48	7♉ 6	19♉ 7	23° 5	20♐19	21° 8	13°52	n.a.	W 2
T 3	4 24 3	6° 9'50	12°38	13°32	6°45	10°50	19°54	29°47	7° 4	19° 5	23° 6	20°17	21° 5	13°59	n.a.	T 3
F 4	4 28 0	7°11'07	24°30	14°38	6°47	11°34	19°56	29°45	7° 2	19° 3	23° 6	20°15	21° 2	14° 6	n.a.	F 4
S 5	4 31 56	8°12'23	6♏27	15°47	6°R48	12°18	19°59	29°43	7° 0	19° 2	23° 7	20°13	20°59	14°12	n.a.	S 5
S 6	4 35 53	9°13'40	18°32	16°58	6°46	13° 2	20° 2	29°40	6°58	19° 0	23° 8	20°11	20°55	14°19	n.a.	S 6
M 7	4 39 50	10°14'56	0♐47	18°11	6°41	13°46	20° 6	29°38	6°56	18°59	23° 8	20°10	20°52	14°26	n.a.	M 7
T 8	4 43 46	11°16'12	13°13	19°26	6°34	14°30	20° 9	29°36	6°54	18°57	23° 9	20° 9	20°49	14°32	n.a.	T 8
W 9	4 47 43	12°17'28	25°51	20°42	6°24	15°13	20°13	29°34	6°52	18°56	23° 9	20°D 9	20°46	14°39	n.a.	W 9
T 10	4 51 39	13°18'43	8♑41	22° 0	6°12	15°57	20°17	29°31	6°50	18°54	23°10	20°10	20°43	14°46	n.a.	T 10
F 11	4 55 36	14°19'57	21°44	23°19	5°58	16°42	20°21	29°28	6°48	18°53	23°11	20°10	20°40	14°53	n.a.	F 11
S 12	4 59 32	15°21'11	5♒ 1	24°40	5°40	17°26	20°25	29°26	6°46	18°51	23°11	20°11	20°36	14°59	n.a.	S 12
S 13	5 3 29	16°22'24	18°31	26° 1	5°21	18°10	20°30	29°23	6°44	18°50	23°12	20°11	20°33	15° 6	n.a.	S 13
M14	5 7 26	17°23'37	2♓14	27°24	4°59	18°54	20°34	29°20	6°43	18°48	23°13	20°12	20°30	15°13	n.a.	M14
T 15	5 11 22	18°24'48	16°10	28°47	4°35	19°38	20°39	29°17	6°41	18°47	23°14	20°R12	20°27	15°19	n.a.	T 15
W16	5 15 19	19°25'58	0♈19	0♐12	4° 9	20°22	20°44	29°14	6°39	18°45	23°14	20°12	20°24	15°26	n.a.	W16
T 17	5 19 15	20°27'07	14°37	1°37	3°40	21° 7	20°49	29°11	6°37	18°44	23°15	20°D12	20°20	15°33	n.a.	T 17
F 18	5 23 12	21°28'16	29° 3	3° 3	3°10	21°51	20°55	29° 8	6°36	18°42	23°16	20°12	20°17	15°40	n.a.	F 18
S 19	5 27 8	22°29'23	13♉33	4°30	2°38	22°35	21° 0	29° 4	6°34	18°41	23°17	20°12	20°14	15°46	n.a.	S 19
S 20	5 31 5	23°30'29	28° 1	5°58	2° 5	23°19	21° 6	29° 1	6°33	18°40	23°18	20°12	20°11	15°53	n.a.	S 20
M21	5 35 1	24°31'35	12♊22	7°26	1°31	24° 4	21°12	28°57	6°31	18°38	23°19	20°12	20° 8	16° 0	n.a.	M21
T 22	5 38 58	25°32'39	26°32	8°55	0°55	24°48	21°18	28°54	6°30	18°37	23°19	20°R12	20° 5	16° 6	n.a.	T 22
W23	5 42 55	26°33'43	10♋25	10°24	0°19	25°33	21°24	28°50	6°28	18°36	23°20	20°12	20° 1	16°13	n.a.	W23
T 24	5 46 51	27°34'46	23°58	11°55	29♐42	26°17	21°31	28°46	6°27	18°35	23°21	20°11	19°58	16°20	n.a.	T 24
F 25	5 50 48	28°35'47	7♌10	13°26	29° 4	27° 2	21°37	28°43	6°26	18°33	23°22	20°10	19°55	16°27	n.a.	F 25
S 26	5 54 44	29°36'48	20° 1	14°57	28°27	27°46	21°44	28°39	6°25	18°32	23°23	20° 9	19°52	16°33	n.a.	S 26
S 27	5 58 41	0♑37'48	2♍32	16°30	27°50	28°31	21°51	28°35	6°23	18°31	23°24	20° 8	19°49	16°40	n.a.	S 27
M28	6 2 37	1°38'48	14°48	18° 3	27°14	29°16	21°58	28°31	6°22	18°30	23°25	20° 7	19°46	16°47	n.a.	M28
T 29	6 6 34	2°39'46	26°50	19°36	26°38	0♐ 0	22° 5	28°27	6°21	18°29	23°26	20° 6	19°42	16°53	n.a.	T 29
W30	6 10 30	3°40'43	8♎45	21°11	26° 3	0°45	22°12	28°23	6°20	18°28	23°27	20°D 6	19°39	17° 0	n.a.	W30
T 31	6 14 27	4♑41'40	20♎36	22♐46	25♐30	1♐30	22♓20	28♋19	6♉19	18♉27	23♒28	20♐ 7	19♐36	17♎ 7	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	21s14	0s23	5s16	13s22	2n13	24s18	0s43	14s39	0n 9	5s28	1s30	21n28	1n 3	13n46	0s20	16n 6	1s42	28s50	15s49	23s23	23s27	9s52		n.a.	
W 2	21 26	5 3	5 11	13 47	2 5	24 6	0 31	14 54	0 9	5 26	1 30	21 28	1 3	13 45	0 20	16 5	1 42	28 49	15 49	23 23	23 27	9 54		n.a.	
T 3	21 37	9 31	4 52	14 14	1 58	23 53	0 19	15 8	0 8	5 25	1 29	21 29	1 3	13 44	0 20	16 5	1 42	28 49	15 49	23 23	23 26	9 56		n.a.	
F 4	21 47	13 39	4 21	14 41	1 50	23 41	0 7	15 23	0 7	5 24	1 29	21 30	1 3	13 44	0 20	16 5	1 42	28 48	15 48	23 23	23 26	9 59		n.a.	
S 5	21 57	17 17	3 39	15 9	1 42	23 28	0n 6	15 37	0 7	5 22	1 29	21 30	1 3	13 43	0 20	16 4	1 42	28 48	15 48	23 23	23 26	10 1		n.a.	
S 6	22 7	20 13	2 46	15 37	1 34	23 15	0 19	15 51	0 6	5 21	1 28	21 31	1 4	13 42	0 20	16 4	1 42	28 47	15 48	23 23	23 26	10 3		n.a.	
M 7	22 16	22 17	1 45	16 5	1 26	23 2	0 33	16 5	0 5	5 19	1 28	21 31	1 4	13 42	0 19	16 3	1 42	28 47	15 47	23 22	23 26	10 6		n.a.	
T 8	22 25	23 19	0 38	16 34	1 18	22 48	0 47	16 19	0 5	5 17	1 28	21 32	1 4	13 41	0 19	16 3	1 42	28 46	15 47	23 22	23 25	10 8		n.a.	
W 9	22 33	23 9	0n32	17 3	1 9	22 35	1 1	16 33	0 4	5 15	1 27	21 33	1 4	13 40	0 19	16 3	1 42	28 46	15 47	23 22	23 25	10 10		n.a.	
T 10	22 41	21 47	1 41	17 31	1 1	22 21	1 15	16 46	0 3	5 14	1 27	21 34	1 4	13 40	0 19	16 2	1 42	28 45	15 46	23 22	23 25	10 13		n.a.	
F 11	22 49	19 13	2 46	17 59	0 53	22 7	1 30	17 0	0 3	5 12	1 27	21 34	1 5	13 39	0 19	16 2	1 42	28 45	15 46	23 22	23 25	10 15		n.a.	
S 12	22 56	15 38	3 44	18 27	0 45	21 52	1 45	17 13	0 2	5 10	1 26	21 35	1 5	13 39	0 19	16 1	1 42	28 44	15 46	23 23	23 24	10 17		n.a.	
S 13	23 2	11 11	4 30	18 54	0 37	21 38	2 0	17 26	0 1	5 8	1 26	21 36	1 5	13 38	0 19	16 1	1 42	28 44	15 45	23 23	23 24	10 20		n.a.	
M14	23 8	6 7	5 2	19 21	0 29	21 23	2 16	17 39	0 1	5 5	1 26	21 37	1 5	13 37	0 19	16 1	1 42	28 43	15 45	23 23	23 24	10 22		n.a.	
T 15	23 14	0 40	5 17	19 48	0 21	21 9	2 31	17 52	0s 0	5 3	1 25	21 37	1 5	13 37	0 19	16 0	1 42	28 43	15 45	23 23	23 24	10 24		n.a.	
W16	23 19	4n53	5 12	20 14	0 13	20 54	2 47	18 5	0 1	5 1	1 25	21 38	1 5	13 36	0 19	16 0	1 41	28 42	15 44	23 23	23 23	10 27		n.a.	
T 17	23 24	10 16	4 49	20 39	0 6	20 40	3 2	18 17	0 2	4 59	1 25	21 39	1 6	13 36	0 19	16 0	1 41	28 42	15 44	23 23	23 23	10 29		n.a.	
F 18	23 28	15 7	4 7	21 4	0s 2	20 25	3 17	18 30	0 2	4 56	1 24	21 40	1 6	13 35	0 19	15 59	1 41	28 41	15 44	23 23	23 23	10 31		n.a.	
S 19	23 32	19 7	3 10	21 28	0 9	20 10	3 33	18 42	0 3	4 54	1 24	21 41	1 6	13 35	0 19	15 59	1 41	28 40	15 44	23 23	23 23	10 33		n.a.	
S 20	23 35	21 55	2 0	21 51	0 16	19 56	3 48	18 54	0 4	4 51	1 24	21 42	1 6	13 34	0 19	15 59	1 41	28 40	15 43	23 23	23 23	10 36		n.a.	
M21	23 38	23 17	0 43	22 13	0 23	19 42	4 2	19 6	0 4	4 48	1 23	21 43	1 6	13 34	0 19	15 58	1 41	28 39	15 43	23 23	23 22	10 38		n.a.	
T 22	23 40	23 7	0s35	22 34	0 30	19 28	4 17	19 18	0 5	4 46	1 23	21 43	1 6	13 33	0 19	15 58	1 41	28 39	15 43	23 23	23 22	10 40		n.a.	
W23	23 42	21 30	1 50	22 54	0 37	19 14	4 31	19 29	0 6	4 43	1 23	21 44	1 7	13 33	0 19	15 58	1 41	28 38	15 42	23 23	23 22	10 43		n.a.	
T 24	23 43	18 42	2 57	23 13	0 44	19 0	4 44	19 41	0 7	4 40	1 23	21 45	1 7	13 32	0 19	15 57	1 41	28 38	15 42	23 23	23 22	10 45		n.a.	
F 25	23 44	14 59	3 52	23 32	0 50	18 47	4 57	19 52	0 7	4 37	1 22	21 46	1 7	13 32	0 19	15 57	1 41	28 37	15 42	23 22	23 21	10 47		n.a.	
S 26	23 45	10 40	4 34	23 49	0 56	18 35	5 9	20 3	0 8	4 34	1 22	21 47	1 7	13 32	0 19	15 57	1 41	28 36	15 42	23 22	23 21	10 49		n.a.	
S 27	23 45	6 0	5 2	24 5	1 2	18 22	5 21	20 14	0 9	4 31	1 22	21 48	1 7	13 31	0 19	15 56	1 41	28 36	15 41	23 22	23 21	10 52		n.a.	
M28	23 44	1 13	5 15	24 19	1 8	18 11	5 32	20 24	0 10	4 28	1 21	21 49	1 7	13 31	0 19	15 56	1 41	28 35	15 41	23 22	23 21	10 54		n.a.	
T 29	23 43	3s32	5 14	24 33	1 13	18 0	5 43	20 35	0 10	4 25	1 21	21 50	1 8	13 31	0 19	15 56	1 41	28 35	15 41	23 22	23 20	10 56		n.a.	
W30	23 42	8 6	5 0	24 45	1 19	17 49	5 52	20 45	0 11	4 22	1 21	21 51	1 8	13 30	0 19	15 56	1 41	28 34	15 40	23 22	23 20	10 58		n.a.	
T 31	23s40	12s21	4s33	24s56	1s24	17s39	6n 1	20s55	0s12	4s19	1s21	21n52	1n 8	13n30	0s19	15n55	1s41	28s33	15s40	23s22	23s20	11s 1		n.a.	

Julian Day Number = 1572004.5, Delta T = 04h17m04s
Ecliptic obliquity = 23°44'40, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'18, Lahiri = - 9°36'17 Julian Calendar 1 Dec. 410 BCE == Greg. Calendar 26 Nov. 410 BCE

The year -409 astronomical counting style corresponds to year 410 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

JANUARY 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 18 24	5♉42'35	2♏29	24♐21	24°R58	2♐15	22♓28	28°R14	6°R18	18°R25	23♒29	20♐ 8	19♐33	17♎13	n.a.	F 1
S 2	6 22 20	6°43'30	14°28	25°58	24♐28	2°59	22°35	28♋10	6♉17	18♉24	23°31	20° 9	19°30	17°20	n.a.	S 2
S 3	6 26 17	7°44'24	26°37	27°35	23°59	3°44	22°43	28° 6	6°16	18°23	23°32	20°11	19°26	17°27	n.a.	S 3
M 4	6 30 13	8°45'16	9♐ 0	29°12	23°32	4°29	22°51	28° 1	6°15	18°22	23°33	20°12	19°23	17°34	n.a.	M 4
T 5	6 34 10	9°46'07	21°38	0♉51	23° 8	5°14	23° 0	27°57	6°15	18°22	23°34	20°R12	19°20	17°40	n.a.	T 5
W 6	6 38 6	10°46'57	4♉34	2°30	22°46	5°59	23° 8	27°52	6°14	18°21	23°35	20°12	19°17	17°47	n.a.	W 6
T 7	6 42 3	11°47'46	17°48	4°11	22°26	6°44	23°17	27°48	6°13	18°20	23°36	20°10	19°14	17°54	n.a.	T 7
F 8	6 46 0	12°48'33	1♒18	5°51	22° 8	7°29	23°25	27°43	6°13	18°19	23°38	20° 7	19°11	18° 0	n.a.	F 8
S 9	6 49 56	13°49'19	15° 2	7°33	21°53	8°14	23°34	27°39	6°12	18°18	23°39	20° 4	19° 7	18° 7	n.a.	S 9
S 10	6 53 53	14°50'03	28°57	9°16	21°40	8°59	23°43	27°34	6°12	18°17	23°40	20° 0	19° 4	18°14	n.a.	S 10
M11	6 57 49	15°50'45	13♓ 0	10°59	21°30	9°44	23°52	27°30	6°11	18°17	23°41	19°56	19° 1	18°21	n.a.	M11
T 12	7 1 46	16°51'25	27° 8	12°43	21°22	10°29	24° 1	27°25	6°11	18°16	23°42	19°54	18°58	18°27	n.a.	T 12
W13	7 5 42	17°52'03	11♈19	14°28	21°16	11°14	24°11	27°20	6°10	18°15	23°44	19°53	18°55	18°34	n.a.	W13
T 14	7 9 39	18°52'40	25°29	16°14	21°13	12° 0	24°20	27°15	6°10	18°14	23°45	19°D53	18°51	18°41	n.a.	T 14
F 15	7 13 35	19°53'14	9♉37	18° 1	21°D13	12°45	24°30	27°11	6°10	18°14	23°46	19°54	18°48	18°47	n.a.	F 15
S 16	7 17 32	20°53'47	23°41	19°48	21°15	13°30	24°40	27° 6	6°10	18°13	23°48	19°55	18°45	18°54	n.a.	S 16
S 17	7 21 29	21°54'18	7♊41	21°37	21°19	14°15	24°49	27° 1	6°10	18°13	23°49	19°57	18°42	19° 1	n.a.	S 17
M18	7 25 25	22°54'46	21°32	23°26	21°26	15° 0	24°59	26°56	6° 9	18°12	23°50	19°R57	18°39	19° 7	n.a.	M18
T 19	7 29 22	23°55'13	5♋15	25°16	21°34	15°46	25° 9	26°51	6°D 9	18°12	23°52	19°56	18°36	19°14	n.a.	T 19
W20	7 33 18	24°55'39	18°46	27° 7	21°45	16°31	25°20	26°47	6° 9	18°11	23°53	19°53	18°32	19°21	n.a.	W20
T 21	7 37 15	25°56'02	2♌ 3	28°59	21°59	17°16	25°30	26°42	6°10	18°11	23°54	19°49	18°29	19°28	n.a.	T 21
F 22	7 41 11	26°56'23	15° 4	0♒51	22°14	18° 2	25°40	26°37	6°10	18°10	23°56	19°43	18°26	19°34	n.a.	F 22
S 23	7 45 8	27°56'43	27°50	2°44	22°31	18°47	25°51	26°32	6°10	18°10	23°57	19°36	18°23	19°41	n.a.	S 23
S 24	7 49 4	28°57'01	10♍19	4°37	22°51	19°32	26° 1	26°27	6°10	18° 9	23°59	19°29	18°20	19°48	n.a.	S 24
M25	7 53 1	29°57'17	22°34	6°31	23°12	20°18	26°12	26°22	6°10	18° 9	24° 0	19°22	18°17	19°54	n.a.	M25
T 26	7 56 58	0♒57'32	4♎37	8°25	23°35	21° 3	26°23	26°18	6°11	18° 9	24° 1	19°17	18°13	20° 1	n.a.	T 26
W27	8 0 54	1°57'45	16°32	10°19	24° 0	21°49	26°34	26°13	6°11	18° 9	24° 3	19°14	18°10	20° 8	n.a.	W27
T 28	8 4 51	2°57'56	28°24	12°13	24°27	22°34	26°45	26° 8	6°12	18° 8	24° 4	19°D12	18° 7	20°15	n.a.	T 28
F 29	8 8 47	3°58'06	10♏16	14° 6	24°55	23°20	26°56	26° 3	6°12	18° 8	24° 6	19°13	18° 4	20°21	n.a.	F 29
S 30	8 12 44	4°58'14	22°14	15°59	25°25	24° 5	27° 7	25°59	6°13	18° 8	24° 7	19°14	18° 1	20°28	n.a.	S 30
S 31	8 16 40	5♒58'20	4♐23	17♒51	25♐56	24♐51	27♓19	25♋54	6♉13	18♉ 8	24♒ 9	19♐15	17♐57	20♎35	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s37	16s 9	3s54	25s 6	1s28	17s30	6n 9	21s 5	0s13	4s15	1s20	21n53	1n 8	13n30	0s19	15n55	1s41	28s33	15s40	23s22	23s20	11s 3		n.a.
S 2	23 34	19 19	3 5	25 14	1 33	17 22	6 16	21 14	0 13	4 12	1 20	21 54	1 8	13 29	0 19	15 55	1 41	28 32	15 40	23 22	23 19	11 5		n.a.
S 3	23 31	21 42	2 7	25 20	1 37	17 14	6 23	21 24	0 14	4 8	1 20	21 55	1 8	13 29	0 19	15 55	1 41	28 31	15 40	23 23	23 19	11 7		n.a.
M 4	23 27	23 6	1 2	25 25	1 41	17 7	6 29	21 33	0 15	4 5	1 19	21 56	1 9	13 29	0 19	15 54	1 41	28 31	15 39	23 23	23 19	11 10		n.a.
T 5	23 23	23 21	0n 8	25 29	1 45	17 1	6 34	21 42	0 16	4 1	1 19	21 57	1 9	13 29	0 19	15 54	1 41	28 30	15 39	23 23	23 19	11 12		n.a.
W 6	23 18	22 21	1 18	25 31	1 48	16 55	6 38	21 51	0 16	3 58	1 19	21 58	1 9	13 28	0 19	15 54	1 40	28 30	15 39	23 23	23 18	11 14		n.a.
T 7	23 13	20 8	2 26	25 31	1 51	16 51	6 41	21 59	0 17	3 54	1 19	21 59	1 9	13 28	0 19	15 54	1 40	28 29	15 39	23 22	23 18	11 16		n.a.
F 8	23 7	16 45	3 27	25 30	1 53	16 47	6 44	22 8	0 18	3 50	1 18	22 1	1 9	13 28	0 19	15 54	1 40	28 28	15 38	23 22	23 18	11 18		n.a.
S 9	23 1	12 26	4 17	25 27	1 56	16 44	6 46	22 16	0 19	3 47	1 18	22 2	1 9	13 28	0 19	15 53	1 40	28 28	15 38	23 22	23 18	11 21		n.a.
S 10	22 54	7 25	4 53	25 22	1 58	16 42	6 47	22 24	0 19	3 43	1 18	22 3	1 9	13 28	0 19	15 53	1 40	28 27	15 38	23 22	23 17	11 23		n.a.
M11	22 47	1 58	5 11	25 16	1 59	16 41	6 48	22 32	0 20	3 39	1 18	22 4	1 9	13 28	0 19	15 53	1 40	28 26	15 38	23 21	23 17	11 25		n.a.
T 12	22 40	3n36	5 11	25 7	2 0	16 40	6 48	22 39	0 21	3 35	1 17	22 5	1 10	13 27	0 19	15 53	1 40	28 26	15 38	23 21	23 17	11 27		n.a.
W13	22 32	9 0	4 52	24 57	2 1	16 40	6 48	22 46	0 22	3 31	1 17	22 6	1 10	13 27	0 19	15 53	1 40	28 25	15 37	23 21	23 16	11 29		n.a.
T 14	22 24	13 56	4 15	24 45	2 1	16 41	6 47	22 53	0 22	3 27	1 17	22 7	1 10	13 27	0 19	15 53	1 40	28 25	15 37	23 21	23 16	11 32		n.a.
F 15	22 15	18 5	3 23	24 31	2 1	16 42	6 46	23 0	0 23	3 23	1 17	22 8	1 10	13 27	0 19	15 53	1 40	28 24	15 37	23 21	23 16	11 34		n.a.
S 16	22 6	21 10	2 19	24 15	2 1	16 44	6 44	23 6	0 24	3 19	1 16	22 9	1 10	13 27	0 19	15 52	1 40	28 23	15 37	23 21	23 16	11 36		n.a.
S 17	21 56	22 58	1 7	23 57	2 0	16 47	6 41	23 13	0 25	3 15	1 16	22 10	1 10	13 27	0 19	15 52	1 40	28 23	15 37	23 21	23 15	11 38		n.a.
M18	21 46	23 20	0s 9	23 37	1 58	16 50	6 39	23 19	0 26	3 10	1 16	22 11	1 10	13 27	0 19	15 52	1 40	28 22	15 36	23 21	23 15	11 40		n.a.
T 19	21 36	22 16	1 23	23 15	1 56	16 54	6 35	23 25	0 26	3 6	1 16	22 12	1 10	13 27	0 19	15 52	1 40	28 21	15 36	23 21	23 15	11 43		n.a.
W20	21 25	19 56	2 31	22 51	1 53	16 58	6 32	23 30	0 27	3 2	1 15	22 13	1 10	13 27	0 18	15 52	1 40	28 21	15 36	23 21	23 15	11 45		n.a.
T 21	21 14	16 34	3 29	22 25	1 50	17 2	6 28	23 35	0 28	2 57	1 15	22 14	1 11	13 27	0 18	15 52	1 40	28 20	15 36	23 21	23 14	11 47		n.a.
F 22	21 2	12 27	4 15	21 57	1 46	17 7	6 24	23 40	0 29	2 53	1 15	22 15	1 11	13 27	0 18	15 52	1 40	28 19	15 36	23 20	23 14	11 49		n.a.
S 23	20 50	7 53	4 48	21 27	1 42	17 13	6 20	23 45	0 30	2 49	1 15	22 16	1 11	13 27	0 18	15 52	1 40	28 19	15 36	23 20	23 14	11 51		n.a.
S 24	20 38	3 5	5 6	20 55	1 37	17 18	6 15	23 50	0 30	2 44	1 14	22 17	1 11	13 27	0 18	15 52	1 39	28 18	15 36	23 19	23 13	11 53		n.a.
M25	20 25	1s44	5 9	20 21	1 31	17 24	6 10	23 54	0 31	2 40	1 14	22 18	1 11	13 28	0 18	15 52	1 39	28 18	15 35	23 19	23 13	11 56		n.a.
T 26	20 12	6 25	4 59	19 45	1 25	17 31	6 5	23 58	0 32	2 35	1 14	22 19	1 11	13 28	0 18	15 52	1 39	28 17	15 35	23 18	23 13	11 58		n.a.
W27	19 59	10 49	4 36	19 7	1 18	17 37	6 0	24 2	0 33	2 30	1 14	22 20	1 11	13 28	0 18	15 52	1 39	28 16	15 35	23 18	23 13	12 0		n.a.
T 28	19 45	14 46	4 1	18 28	1 10	17 44	5 54	24 5	0 34	2 26	1 14	22 21	1 11	13 28	0 18	15 52	1 39	28 16	15 35	23 18	23 12	12 2		n.a.
F 29	19 30	18 10	3 15	17 47	1 1	17 50	5 49	24 9	0 34	2 21	1 13	22 22	1 11	13 28	0 18	15 52	1 39	28 15	15 35	23 18	23 12	12 4		n.a.
S 30	19 16	20 50	2 21	17 5	0 52	17 57	5 43	24 12	0 35	2 16	1 13	22 23	1 11	13 28	0 18	15 52	1 39	28 15	15 35	23 18	23 12	12 6		n.a.
S 31	19s 1	22s36	1s20	16s21	0s43	18s 4	5n37	24s14	0s36	2s12	1s13	22n24	1n11	13n29	0s18	15n52	1s39	28s14	15s35	23s18	23s11	12s 9		n.a.

Julian Day Number = 1572035.5, Delta T = 04h17m03s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'14, Lahiri = - 9°36'13 Julian Calendar 1 Jan. 409 BCE == Greg. Calendar 27 Dec. 410 BCE

The year -408 astronomical counting style corresponds to year 409 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

FEBRUARY 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 20 37	6♒58'25	16♐49	19♒41	26♐29	25♐37	27♓30	25°R49	6♉14	18°R 8	24♒10	19°R16	17♐54	20♎41	n.a.	M 1
T 2	8 24 33	7°58'28	29°34	21°30	27° 3	26°22	27°42	25♋44	6°15	18♉ 8	24°12	19♐15	17°51	20°48	n.a.	T 2
W 3	8 28 30	8°58'29	12♑42	23°17	27°38	27° 8	27°53	25°40	6°15	18°D 8	24°13	19°13	17°48	20°55	n.a.	W 3
T 4	8 32 27	9°58'28	26°14	25° 1	28°15	27°54	28° 5	25°35	6°16	18° 8	24°15	19° 8	17°45	21° 1	n.a.	T 4
F 5	8 36 23	10°58'25	10♒ 7	26°42	28°53	28°39	28°17	25°31	6°17	18° 8	24°16	19° 1	17°42	21° 8	n.a.	F 5
S 6	8 40 20	11°58'20	24°18	28°19	29°32	29°25	28°28	25°26	6°18	18° 8	24°17	18°53	17°38	21°15	n.a.	S 6
S 7	8 44 16	12°58'13	8♓43	29°52	0♑13	0♑11	28°40	25°22	6°19	18° 8	24°19	18°44	17°35	21°22	n.a.	S 7
M 8	8 48 13	13°58'04	23°14	1♓20	0°54	0°56	28°52	25°17	6°20	18° 8	24°20	18°35	17°32	21°28	n.a.	M 8
T 9	8 52 9	14°57'52	7♈46	2°43	1°37	1°42	29° 4	25°13	6°21	18° 9	24°22	18°28	17°29	21°35	n.a.	T 9
W10	8 56 6	15°57'38	22°11	4° 1	2°20	2°28	29°17	25° 8	6°22	18° 9	24°24	18°24	17°26	21°42	n.a.	W10
T 11	9 0 2	16°57'22	6♉28	5°12	3° 5	3°13	29°29	25° 4	6°23	18° 9	24°25	18°21	17°23	21°48	n.a.	T 11
F 12	9 3 59	17°57'03	20°32	6°16	3°50	3°59	29°41	25° 0	6°24	18° 9	24°27	18°D21	17°19	21°55	n.a.	F 12
S 13	9 7 55	18°56'42	4♊24	7°14	4°36	4°45	29°54	24°56	6°26	18°10	24°28	18°22	17°16	22° 2	n.a.	S 13
S 14	9 11 52	19°56'19	18° 4	8° 4	5°23	5°31	0♈ 6	24°51	6°27	18°10	24°30	18°R22	17°13	22° 8	n.a.	S 14
M15	9 15 49	20°55'53	1♋33	8°46	6°11	6°17	0°19	24°47	6°28	18°11	24°31	18°21	17°10	22°15	n.a.	M15
T 16	9 19 45	21°55'25	14°50	9°21	7° 0	7° 2	0°31	24°43	6°30	18°11	24°33	18°18	17° 7	22°22	n.a.	T 16
W17	9 23 42	22°54'54	27°57	9°47	7°49	7°48	0°44	24°39	6°31	18°11	24°34	18°13	17° 3	22°29	n.a.	W17
T 18	9 27 38	23°54'21	10♌52	10° 6	8°40	8°34	0°56	24°35	6°33	18°12	24°36	18° 4	17° 0	22°35	n.a.	T 18
F 19	9 31 35	24°53'46	23°36	10°16	9°30	9°20	1° 9	24°32	6°34	18°12	24°37	17°54	16°57	22°42	n.a.	F 19
S 20	9 35 31	25°53'09	6♍ 8	10°R19	10°22	10° 6	1°22	24°28	6°36	18°13	24°39	17°41	16°54	22°49	n.a.	S 20
S 21	9 39 28	26°52'29	18°29	10°13	11°14	10°51	1°35	24°24	6°38	18°14	24°40	17°29	16°51	22°55	n.a.	S 21
M22	9 43 24	27°51'48	0♎39	10° 0	12° 7	11°37	1°48	24°21	6°39	18°14	24°42	17°17	16°48	23° 2	n.a.	M22
T 23	9 47 21	28°51'05	12°39	9°40	13° 1	12°23	2° 1	24°17	6°41	18°15	24°43	17° 7	16°44	23° 9	n.a.	T 23
W24	9 51 18	29°50'19	24°32	9°14	13°55	13° 9	2°14	24°14	6°43	18°16	24°45	16°59	16°41	23°15	n.a.	W24
T 25	9 55 14	0♓49'32	6♏22	8°41	14°49	13°55	2°27	24°10	6°45	18°16	24°46	16°54	16°38	23°22	n.a.	T 25
F 26	9 59 11	1°48'43	18°13	8° 4	15°44	14°41	2°40	24° 7	6°46	18°17	24°48	16°51	16°35	23°29	n.a.	F 26
S 27	10 3 7	2°47'51	0♐ 9	7°22	16°40	15°27	2°54	24° 4	6°48	18°18	24°49	16°D50	16°32	23°36	n.a.	S 27
S 28	10 7 4	3°46'59	12°17	6°37	17°36	16°12	3° 7	24° 0	6°50	18°19	24°51	16°R50	16°29	23°42	n.a.	S 28
M29	10 11 0	4♓46'04	24♐41	5♓49	18♑33	16♑58	3♈20	23♋57	6♉52	18♉20	24♒52	16♐50	16♐25	23♎49	n.a.	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s46	23s18	0s13	15s37	0s32	18s11	5n31	24s17	0s37	2s 7	1s13	22n25	1n12	13n29	0s18	15n52	1s39	28s13	15s35	23s18	23s11	12s11		n.a.
T 2	18 30	22 49	0n55	14 51	0 21	18 18	5 25	24 19	0 38	2 2	1 12	22 26	1 12	13 29	0 18	15 52	1 39	28 13	15 35	23 18	23 11	12 13		n.a.
W 3	18 15	21 5	2 3	14 5	0 10	18 25	5 18	24 21	0 38	1 57	1 12	22 27	1 12	13 29	0 18	15 52	1 39	28 12	15 35	23 18	23 11	12 15		n.a.
T 4	17 58	18 8	3 5	13 19	0n 2	18 32	5 12	24 23	0 39	1 52	1 12	22 28	1 12	13 30	0 18	15 52	1 39	28 11	15 34	23 18	23 10	12 17		n.a.
F 5	17 42	14 6	3 59	12 32	0 15	18 39	5 6	24 24	0 40	1 47	1 12	22 29	1 12	13 30	0 18	15 52	1 39	28 11	15 34	23 17	23 10	12 19		n.a.
S 6	17 25	9 13	4 38	11 46	0 28	18 46	4 59	24 25	0 41	1 43	1 12	22 30	1 12	13 30	0 18	15 52	1 39	28 10	15 34	23 16	23 10	12 21		n.a.
S 7	17 8	3 46	5 1	11 1	0 42	18 52	4 53	24 26	0 42	1 38	1 12	22 31	1 12	13 31	0 18	15 52	1 39	28 10	15 34	23 16	23 9	12 23		n.a.
M 8	16 51	1n56	5 4	10 16	0 55	18 59	4 46	24 27	0 42	1 33	1 11	22 32	1 12	13 31	0 18	15 53	1 38	28 9	15 34	23 15	23 9	12 26		n.a.
T 9	16 33	7 31	4 49	9 33	1 9	19 5	4 39	24 27	0 43	1 28	1 11	22 33	1 12	13 31	0 18	15 53	1 38	28 9	15 34	23 14	23 9	12 28		n.a.
W10	16 15	12 40	4 14	8 52	1 23	19 11	4 33	24 27	0 44	1 22	1 11	22 33	1 12	13 32	0 18	15 53	1 38	28 8	15 34	23 14	23 8	12 30		n.a.
T 11	15 57	17 3	3 25	8 13	1 37	19 17	4 26	24 27	0 45	1 17	1 11	22 34	1 12	13 32	0 18	15 53	1 38	28 7	15 34	23 14	23 8	12 32		n.a.
F 12	15 39	20 24	2 23	7 36	1 51	19 22	4 19	24 27	0 46	1 12	1 11	22 35	1 12	13 33	0 18	15 53	1 38	28 7	15 34	23 14	23 8	12 34		n.a.
S 13	15 20	22 30	1 14	7 2	2 5	19 28	4 12	24 26	0 46	1 7	1 10	22 36	1 12	13 33	0 18	15 53	1 38	28 6	15 34	23 14	23 8	12 36		n.a.
S 14	15 1	23 14	0 2	6 31	2 18	19 33	4 5	24 25	0 47	1 2	1 10	22 37	1 12	13 34	0 18	15 53	1 38	28 6	15 34	23 14	23 7	12 38		n.a.
M15	14 42	22 34	1s10	6 3	2 31	19 38	3 59	24 23	0 48	0 57	1 10	22 38	1 12	13 34	0 18	15 54	1 38	28 5	15 34	23 14	23 7	12 40		n.a.
T 16	14 23	20 39	2 16	5 39	2 43	19 42	3 52	24 22	0 49	0 51	1 10	22 38	1 12	13 35	0 18	15 54	1 38	28 5	15 34	23 13	23 7	12 42		n.a.
W17	14 3	17 40	3 14	5 19	2 54	19 46	3 45	24 20	0 50	0 46	1 10	22 39	1 12	13 35	0 18	15 54	1 38	28 4	15 34	23 13	23 6	12 44		n.a.
T 18	13 43	13 52	4 1	5 2	3 5	19 50	3 38	24 18	0 50	0 41	1 10	22 40	1 12	13 36	0 18	15 54	1 38	28 3	15 34	23 12	23 6	12 46		n.a.
F 19	13 23	9 29	4 36	4 50	3 14	19 53	3 31	24 16	0 51	0 36	1 9	22 41	1 12	13 36	0 18	15 54	1 38	28 3	15 34	23 11	23 6	12 48		n.a.
S 20	13 3	4 48	4 56	4 41	3 22	19 56	3 24	24 13	0 52	0 30	1 9	22 41	1 12	13 37	0 18	15 55	1 38	28 2	15 34	23 10	23 5	12 51		n.a.
S 21	12 43	0s 1	5 2	4 37	3 29	19 59	3 18	24 10	0 53	0 25	1 9	22 42	1 12	13 37	0 18	15 55	1 38	28 2	15 34	23 9	23 5	12 53		n.a.
M22	12 22	4 44	4 54	4 37	3 34	20 1	3 11	24 7	0 54	0 20	1 9	22 43	1 12	13 38	0 18	15 55	1 38	28 1	15 34	23 8	23 5	12 55		n.a.
T 23	12 1	9 14	4 33	4 41	3 38	20 3	3 4	24 4	0 54	0 14	1 9	22 43	1 12	13 38	0 18	15 55	1 38	28 1	15 34	23 7	23 4	12 57		n.a.
W24	11 40	13 20	4 0	4 49	3 40	20 4	2 57	24 0	0 55	0 9	1 9	22 44	1 12	13 39	0 18	15 56	1 37	28 0	15 34	23 6	23 4	12 59		n.a.
T 25	11 19	16 55	3 17	5 1	3 40	20 5	2 51	23 56	0 56	0 4	1 9	22 44	1 12	13 40	0 18	15 56	1 37	28 0	15 34	23 5	23 4	13 1		n.a.
F 26	10 58	19 48	2 26	5 16	3 39	20 5	2 44	23 52	0 57	0n 2	1 8	22 45	1 12	13 40	0 18	15 56	1 37	27 59	15 34	23 5	23 3	13 3		n.a.
S 27	10 36	21 52	1 27	5 35	3 36	20 5	2 37	23 47	0 57	0 7	1 8	22 46	1 12	13 41	0 18	15 56	1 37	27 59	15 34	23 5	23 3	13 5		n.a.
S 28	10 15	22 57	0 24	5 56	3 31	20 5	2 31	23 43	0 58	0 13	1 8	22 46	1 12	13 42	0 18	15 57	1 37	27 58	15 34	23 5	23 3	13 7		n.a.
M29	9s53	22s57	0n41	6s20	3n24	20s 4	2n24	23s38	0s59	0n18	1s 8	22n47	1n12	13n42	0s18	15n57	1s37	27s58	15s34	23s 5	23s 3	13s 9		n.a.

Julian Day Number = 1572066.5, Delta T = 04h17m01s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'09, Lahiri = - 9°36'09 Julian Calendar 1 Feb. 409 BCE == Greg. Calendar 27 Jan. 409 BCE

The year -408 astronomical counting style corresponds to year 409 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

MARCH 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 14 57	5♓45'07	7♉26	5°R 1	19♉30	17♉44	3♈33	23°R54	6♉54	18♉21	24♒54	16°R49	16♐22	23♎56	n.a.	T 1
W 2	10 18 53	6°44'09	20°37	4♓11	20°28	18°30	3°47	23♋51	6°56	18°21	24°55	16♐45	16°19	24° 2	n.a.	W 2
T 3	10 22 50	7°43'08	4♒15	3°22	21°26	19°16	4° 0	23°49	6°59	18°22	24°57	16°39	16°16	24° 9	n.a.	T 3
F 4	10 26 46	8°42'06	18°21	2°35	22°24	20° 2	4°14	23°46	7° 1	18°23	24°58	16°30	16°13	24°16	n.a.	F 4
S 5	10 30 43	9°41'01	2♓51	1°50	23°23	20°48	4°27	23°43	7° 3	18°24	25° 0	16°19	16° 9	24°22	n.a.	S 5
S 6	10 34 40	10°39'54	17°38	1° 7	24°22	21°34	4°41	23°41	7° 5	18°26	25° 1	16° 7	16° 6	24°29	n.a.	S 6
M 7	10 38 36	11°38'46	2♈35	0°29	25°22	22°20	4°55	23°38	7° 8	18°27	25° 3	15°56	16° 3	24°36	n.a.	M 7
T 8	10 42 33	12°37'35	17°31	29♒55	26°22	23° 5	5° 8	23°36	7°10	18°28	25° 4	15°47	16° 0	24°42	n.a.	T 8
W 9	10 46 29	13°36'21	2♉19	29°25	27°22	23°51	5°22	23°34	7°12	18°29	25° 6	15°40	15°57	24°49	n.a.	W 9
T 10	10 50 26	14°35'06	16°51	29° 0	28°22	24°37	5°36	23°32	7°15	18°30	25° 7	15°36	15°54	24°56	n.a.	T 10
F 11	10 54 22	15°33'48	1♊ 5	28°40	29°23	25°23	5°49	23°30	7°17	18°31	25° 9	15°35	15°50	25° 3	n.a.	F 11
S 12	10 58 19	16°32'28	14°58	28°25	0♒24	26° 9	6° 3	23°28	7°20	18°32	25°10	15°34	15°47	25° 9	n.a.	S 12
S 13	11 2 15	17°31'05	28°32	28°16	1°26	26°55	6°17	23°26	7°22	18°34	25°12	15°34	15°44	25°16	n.a.	S 13
M14	11 6 12	18°29'40	11♋49	28°D12	2°28	27°40	6°31	23°24	7°25	18°35	25°13	15°33	15°41	25°23	n.a.	M14
T 15	11 10 9	19°28'13	24°50	28°13	3°30	28°26	6°45	23°22	7°27	18°36	25°15	15°29	15°38	25°29	n.a.	T 15
W16	11 14 5	20°26'44	7♌39	28°20	4°32	29°12	6°59	23°21	7°30	18°38	25°16	15°23	15°34	25°36	n.a.	W16
T 17	11 18 2	21°25'12	20°15	28°31	5°34	29°58	7°13	23°19	7°33	18°39	25°17	15°14	15°31	25°43	n.a.	T 17
F 18	11 21 58	22°23'38	2♍42	28°47	6°37	0♒44	7°27	23°18	7°35	18°40	25°19	15° 2	15°28	25°49	n.a.	F 18
S 19	11 25 55	23°22'02	15° 0	29° 8	7°40	1°29	7°40	23°17	7°38	18°42	25°20	14°49	15°25	25°56	n.a.	S 19
S 20	11 29 51	24°20'24	27° 9	29°33	8°44	2°15	7°54	23°15	7°41	18°43	25°21	14°35	15°22	26° 3	n.a.	S 20
M21	11 33 48	25°18'44	9♎11	0♓ 3	9°47	3° 1	8° 8	23°14	7°43	18°45	25°23	14°22	15°19	26° 9	n.a.	M21
T 22	11 37 44	26°17'02	21° 6	0°37	10°51	3°46	8°23	23°13	7°46	18°46	25°24	14°11	15°15	26°16	n.a.	T 22
W23	11 41 41	27°15'19	2♏57	1°15	11°55	4°32	8°37	23°13	7°49	18°48	25°25	14° 2	15°12	26°23	n.a.	W23
T 24	11 45 37	28°13'33	14°45	1°56	12°59	5°18	8°51	23°12	7°52	18°49	25°27	13°56	15° 9	26°30	n.a.	T 24
F 25	11 49 34	29°11'46	26°36	2°41	14° 4	6° 3	9° 5	23°11	7°55	18°51	25°28	13°53	15° 6	26°36	n.a.	F 25
S 26	11 53 31	0♈ 9'58	8♐32	3°30	15° 8	6°49	9°19	23°11	7°58	18°52	25°29	13°D51	15° 3	26°43	n.a.	S 26
S 27	11 57 27	1° 8'08	20°38	4°22	16°13	7°35	9°33	23°10	8° 1	18°54	25°31	13°51	15° 0	26°50	n.a.	S 27
M28	12 1 24	2° 6'16	3♉ 0	5°17	17°18	8°20	9°47	23°10	8° 4	18°56	25°32	13°R51	14°56	26°56	n.a.	M28
T 29	12 5 20	3° 4'23	15°42	6°16	18°23	9° 6	10° 1	23°10	8° 7	18°57	25°33	13°51	14°53	27° 3	n.a.	T 29
W30	12 9 17	4° 2'28	28°49	7°17	19°29	9°52	10°15	23°10	8°10	18°59	25°35	13°48	14°50	27°10	n.a.	W30
T 31	12 13 13	5♈ 0'32	12♒26	8♓21	20♒34	10♒37	10♈29	23°D10	8♉13	19♉ 1	25♒36	13♐44	14♐47	27♎16	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	9s31	21s45	1n47	6s46	3n16	20s 2	2n18	23s32	1s 0	0n24	1s 8	22n47	1n12	13n43	0s17	15n57	1s37	27s57	15s35	23s 5	23s 2	13s11			n.a.
W 2	9 9	19 22	2 49	7 13	3 6	20 0	2 11	23 27	1 1	0 29	1 8	22 48	1 12	13 44	0 17	15 58	1 37	27 57	15 35	23 5	23 2	13 13			n.a.
T 3	8 47	15 50	3 43	7 41	2 54	19 57	2 5	23 21	1 1	0 35	1 8	22 48	1 12	13 45	0 17	15 58	1 37	27 56	15 35	23 4	23 2	13 15			n.a.
F 4	8 25	11 19	4 25	8 10	2 42	19 54	1 59	23 15	1 2	0 40	1 7	22 49	1 12	13 45	0 17	15 58	1 37	27 56	15 35	23 3	23 1	13 17			n.a.
S 5	8 2	6 3	4 52	8 39	2 29	19 51	1 52	23 9	1 3	0 46	1 7	22 49	1 12	13 46	0 17	15 59	1 37	27 56	15 35	23 2	23 1	13 19			n.a.
S 6	7 40	0 21	5 0	9 7	2 14	19 47	1 46	23 2	1 4	0 51	1 7	22 50	1 12	13 47	0 17	15 59	1 37	27 55	15 35	23 1	23 1	13 21			n.a.
M 7	7 17	5n26	4 48	9 35	1 59	19 42	1 40	22 56	1 4	0 57	1 7	22 50	1 12	13 48	0 17	15 59	1 37	27 55	15 35	22 59	23 0	13 23			n.a.
T 8	6 54	10 54	4 16	10 1	1 44	19 37	1 34	22 49	1 5	1 3	1 7	22 51	1 12	13 48	0 17	16 0	1 37	27 54	15 35	22 58	23 0	13 25			n.a.
W 9	6 32	15 40	3 27	10 27	1 28	19 31	1 28	22 41	1 6	1 8	1 7	22 51	1 12	13 49	0 17	16 0	1 37	27 54	15 35	22 58	23 0	13 27			n.a.
T 10	6 9	19 24	2 25	10 50	1 13	19 25	1 22	22 34	1 7	1 14	1 7	22 51	1 12	13 50	0 17	16 0	1 37	27 53	15 35	22 57	22 59	13 29			n.a.
F 11	5 46	21 52	1 16	11 12	0 57	19 18	1 16	22 26	1 7	1 19	1 7	22 52	1 12	13 51	0 17	16 1	1 37	27 53	15 36	22 57	22 59	13 31			n.a.
S 12	5 23	22 56	0 3	11 32	0 41	19 11	1 10	22 18	1 8	1 25	1 7	22 52	1 12	13 52	0 17	16 1	1 36	27 53	15 36	22 57	22 58	13 33			n.a.
S 13	5 0	22 36	1s 8	11 49	0 26	19 3	1 4	22 10	1 9	1 31	1 6	22 52	1 12	13 52	0 17	16 2	1 36	27 52	15 36	22 57	22 58	13 35			n.a.
M14	4 36	20 59	2 14	12 5	0 11	18 55	0 58	22 2	1 10	1 36	1 6	22 53	1 12	13 53	0 17	16 2	1 36	27 52	15 36	22 57	22 58	13 37			n.a.
T 15	4 13	18 18	3 11	12 18	0s 4	18 46	0 53	21 53	1 10	1 42	1 6	22 53	1 12	13 54	0 17	16 2	1 36	27 52	15 36	22 57	22 57	13 39			n.a.
W16	3 50	14 45	3 58	12 29	0 18	18 37	0 47	21 44	1 11	1 48	1 6	22 53	1 12	13 55	0 17	16 3	1 36	27 51	15 36	22 56	22 57	13 41			n.a.
T 17	3 27	10 37	4 33	12 38	0 32	18 27	0 42	21 35	1 12	1 53	1 6	22 53	1 12	13 56	0 17	16 3	1 36	27 51	15 37	22 55	22 57	13 43			n.a.
F 18	3 3	6 5	4 53	12 44	0 45	18 16	0 36	21 26	1 13	1 59	1 6	22 53	1 12	13 57	0 17	16 4	1 36	27 51	15 37	22 54	22 56	13 45			n.a.
S 19	2 40	1 23	5 0	12 49	0 57	18 5	0 31	21 16	1 13	2 5	1 6	22 54	1 12	13 58	0 17	16 4	1 36	27 50	15 37	22 52	22 56	13 47			n.a.
S 20	2 17	3s19	4 53	12 51	1 9	17 54	0 26	21 7	1 14	2 10	1 6	22 54	1 12	13 59	0 17	16 5	1 36	27 50	15 37	22 50	22 56	13 49			n.a.
M21	1 53	7 51	4 33	12 50	1 20	17 42	0 20	20 57	1 15	2 16	1 6	22 54	1 12	14 0	0 17	16 5	1 36	27 50	15 37	22 49	22 55	13 51			n.a.
T 22	1 30	12 3	4 1	12 48	1 30	17 29	0 15	20 47	1 16	2 22	1 6	22 54	1 12	14 1	0 17	16 5	1 36	27 49	15 37	22 48	22 55	13 53			n.a.
W23	1 6	15 45	3 19	12 44	1 40	17 16	0 10	20 36	1 16	2 27	1 6	22 54	1 12	14 2	0 17	16 6	1 36	27 49	15 38	22 47	22 55	13 55			n.a.
T 24	0 43	18 49	2 28	12 37	1 49	17 3	0 5	20 26	1 17	2 33	1 5	22 54	1 12	14 2	0 17	16 6	1 36	27 49	15 38	22 46	22 54	13 57			n.a.
F 25	0 19	21 6	1 30	12 28	1 58	16 49	0 1	20 15	1 18	2 39	1 5	22 54	1 12	14 3	0 17	16 7	1 36	27 48	15 38	22 45	22 54	13 58			n.a.
S 26	0n 4	22 28	0 28	12 18	2 5	16 34	0s 4	20 4	1 18	2 44	1 5	22 54	1 12	14 4	0 17	16 7	1 36	27 48	15 38	22 45	22 54	14 0			n.a.
S 27	0 27	22 49	0n36	12 5	2 12	16 19	0 9	19 53	1 19	2 50	1 5	22 55	1 12	14 5	0 17	16 8	1 36	27 48	15 38	22 45	22 53	14 2			n.a.
M28	0 51	22 3	1 40	11 50	2 19	16 3	0 13	19 41	1 20	2 56	1 5	22 55	1 12	14 6	0 17	16 8	1 36	27 48	15 39	22 45	22 53	14 4			n.a.
T 29	1 14	20 9	2 41	11 34	2 24	15 47	0 18	19 30	1 20	3 1	1 5	22 55	1 12	14 7	0 17	16 9	1 36	27 47	15 39	22 45	22 53	14 6			n.a.
W30	1 38	17 9	3 35	11 15	2 30	15 31	0 22	19 18	1 21	3 7	1 5	22 55	1 12	14 8	0 17	16 9	1 36	27 47	15 39	22 45	22 52	14 8			n.a.
T 31	2n 1	13s 8	4n20	10s55	2s34	15s14	0s26	19s 6	1s22	3n13	1s 5	22n54	1n12	14n 9	0s17	16n10	1s36	27s47	15s39	22s44	22s52	14s10			n.a.

Julian Day Number = 1572095.5, Delta T = 04h17m00s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'05, Lahiri = - 9°36'05 Julian Calendar 1 March 409 BCE == Greg. Calendar 25 Feb. 409 BCE

The year -408 astronomical counting style corresponds to year 409 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

APRIL 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 17 10	5♈58'34	26♒31	9♓28	21♒40	11♒23	10♈44	23♋10	8♉16	19♉ 2	25♒37	13°R37	14♐44	27♎23	n.a.	F 1
S 2	12 21 6	6°56'34	11♓ 5	10°37	22°46	12° 8	10°58	23°10	8°19	19° 4	25°38	13♐28	14°40	27°30	n.a.	S 2
S 3	12 25 3	7°54'33	26° 1	11°49	23°52	12°54	11°12	23°10	8°22	19° 6	25°39	13°18	14°37	27°36	n.a.	S 3
M 4	12 29 0	8°52'31	11♈10	13° 4	24°58	13°39	11°26	23°11	8°25	19° 8	25°41	13° 8	14°34	27°43	n.a.	M 4
T 5	12 32 56	9°50'26	26°23	14°21	26° 4	14°24	11°40	23°11	8°28	19°10	25°42	13° 0	14°31	27°50	n.a.	T 5
W 6	12 36 53	10°48'21	11♉29	15°40	27°11	15°10	11°54	23°12	8°32	19°11	25°43	12°55	14°28	27°56	n.a.	W 6
T 7	12 40 49	11°46'13	26°19	17° 1	28°17	15°55	12° 9	23°13	8°35	19°13	25°44	12°51	14°25	28° 3	n.a.	T 7
F 8	12 44 46	12°44'03	10♊47	18°25	29°24	16°40	12°23	23°13	8°38	19°15	25°45	12°D50	14°21	28°10	n.a.	F 8
S 9	12 48 42	13°41'52	24°51	19°51	0♓31	17°26	12°37	23°14	8°41	19°17	25°46	12°51	14°18	28°17	n.a.	S 9
S 10	12 52 39	14°39'39	8♋30	21°19	1°38	18°11	12°51	23°15	8°45	19°19	25°47	12°R51	14°15	28°23	n.a.	S 10
M11	12 56 35	15°37'24	21°46	22°50	2°45	18°56	13° 5	23°17	8°48	19°21	25°48	12°51	14°12	28°30	n.a.	M11
T 12	13 0 32	16°35'07	4♌42	24°22	3°52	19°41	13°19	23°18	8°51	19°23	25°49	12°50	14° 9	28°37	n.a.	T 12
W13	13 4 29	17°32'49	17°21	25°57	4°59	20°26	13°33	23°19	8°55	19°25	25°51	12°46	14° 6	28°43	n.a.	W13
T 14	13 8 25	18°30'28	29°47	27°34	6° 7	21°11	13°48	23°21	8°58	19°27	25°52	12°40	14° 2	28°50	n.a.	T 14
F 15	13 12 22	19°28'06	12♍ 1	29°13	7°14	21°57	14° 2	23°22	9° 1	19°29	25°53	12°32	13°59	28°57	n.a.	F 15
S 16	13 16 18	20°25'43	24° 7	0♈54	8°22	22°42	14°16	23°24	9° 5	19°31	25°54	12°23	13°56	29° 3	n.a.	S 16
S 17	13 20 15	21°23'18	6♎ 7	2°37	9°30	23°26	14°30	23°26	9° 8	19°33	25°55	12°13	13°53	29°10	n.a.	S 17
M18	13 24 11	22°20'51	18° 1	4°22	10°38	24°11	14°44	23°27	9°11	19°35	25°55	12° 4	13°50	29°17	n.a.	M18
T 19	13 28 8	23°18'23	29°53	6° 9	11°46	24°56	14°58	23°29	9°15	19°37	25°56	11°56	13°46	29°23	n.a.	T 19
W20	13 32 4	24°15'55	11♏42	7°59	12°54	25°41	15°12	23°32	9°18	19°39	25°57	11°50	13°43	29°30	n.a.	W20
T 21	13 36 1	25°13'24	23°32	9°51	14° 2	26°26	15°26	23°34	9°22	19°41	25°58	11°46	13°40	29°37	n.a.	T 21
F 22	13 39 57	26°10'53	5♐25	11°44	15°10	27°11	15°40	23°36	9°25	19°43	25°59	11°44	13°37	29°43	n.a.	F 22
S 23	13 43 54	27° 8'21	17°25	13°40	16°19	27°55	15°54	23°38	9°29	19°45	26° 0	11°D44	13°34	29°50	n.a.	S 23
S 24	13 47 51	28° 5'48	29°34	15°38	17°27	28°40	16° 8	23°41	9°32	19°47	26° 1	11°45	13°31	29°57	n.a.	S 24
M25	13 51 47	29° 3'14	11♑57	17°38	18°36	29°25	16°22	23°43	9°36	19°49	26° 2	11°47	13°27	0♏ 3	n.a.	M25
T 26	13 55 44	0♉ 0'39	24°39	19°39	19°44	0♓ 9	16°36	23°46	9°39	19°51	26° 2	11°R48	13°24	0°10	n.a.	T 26
W27	13 59 40	0°58'03	7♒43	21°43	20°53	0°54	16°50	23°49	9°43	19°53	26° 3	11°48	13°21	0°17	n.a.	W27
T 28	14 3 37	1°55'26	21°14	23°48	22° 2	1°38	17° 4	23°52	9°46	19°56	26° 4	11°46	13°18	0°24	n.a.	T 28
F 29	14 7 33	2°52'49	5♓12	25°55	23°11	2°23	17°18	23°54	9°50	19°58	26° 5	11°43	13°15	0°30	n.a.	F 29
S 30	14 11 30	3♉50'11	19♓38	28♈ 3	24♓20	3♓ 7	17♈32	23♋57	9♉53	20♉ 0	26♒ 5	11♐38	13♐11	0♏37	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n24	8s17	4n50	10s33	2s38	14s57	0s31	18s54	1s22	3n18	1s 5	22n54	1n12	14n10	0s17	16n10	1s35	27s47	15s40	22s43	22s51	14s12		n.a.
S 2	2 47	2 50	5 3	10 9	2 41	14 39	0 35	18 42	1 23	3 24	1 5	22 54	1 12	14 11	0 17	16 11	1 35	27 46	15 40	22 42	22 51	14 14		n.a.
S 3	3 11	2n55	4 56	9 44	2 43	14 21	0 39	18 30	1 24	3 30	1 5	22 54	1 12	14 12	0 17	16 11	1 35	27 46	15 40	22 41	22 51	14 16		n.a.
M 4	3 34	8 34	4 28	9 16	2 45	14 2	0 43	18 17	1 24	3 35	1 5	22 54	1 12	14 14	0 17	16 12	1 35	27 46	15 40	22 40	22 50	14 18		n.a.
T 5	3 57	13 44	3 41	8 47	2 46	13 43	0 47	18 4	1 25	3 41	1 5	22 54	1 12	14 15	0 17	16 12	1 35	27 46	15 41	22 39	22 50	14 19		n.a.
W 6	4 20	17 59	2 39	8 17	2 47	13 24	0 50	17 51	1 26	3 47	1 5	22 54	1 12	14 16	0 17	16 13	1 35	27 46	15 41	22 38	22 50	14 21		n.a.
T 7	4 43	20 59	1 27	7 45	2 47	13 4	0 54	17 38	1 26	3 52	1 5	22 54	1 12	14 17	0 17	16 14	1 35	27 45	15 41	22 38	22 49	14 23		n.a.
F 8	5 6	22 32	0 11	7 11	2 46	12 43	0 57	17 25	1 27	3 58	1 4	22 54	1 12	14 18	0 17	16 14	1 35	27 45	15 41	22 38	22 49	14 25		n.a.
S 9	5 28	22 35	1s 4	6 35	2 45	12 23	1 1	17 12	1 27	4 4	1 4	22 53	1 11	14 19	0 17	16 15	1 35	27 45	15 42	22 38	22 48	14 27		n.a.
S 10	5 51	21 15	2 13	5 59	2 43	12 2	1 4	16 58	1 28	4 9	1 4	22 53	1 11	14 20	0 17	16 15	1 35	27 45	15 42	22 38	22 48	14 29		n.a.
M11	6 14	18 47	3 13	5 20	2 41	11 40	1 7	16 44	1 29	4 15	1 4	22 53	1 11	14 21	0 17	16 16	1 35	27 45	15 42	22 38	22 48	14 31		n.a.
T 12	6 36	15 26	4 1	4 40	2 38	11 19	1 11	16 31	1 29	4 20	1 4	22 53	1 11	14 22	0 17	16 16	1 35	27 45	15 42	22 38	22 47	14 33		n.a.
W13	6 58	11 26	4 37	3 59	2 34	10 56	1 14	16 17	1 30	4 26	1 4	22 52	1 11	14 23	0 17	16 17	1 35	27 45	15 43	22 37	22 47	14 34		n.a.
T 14	7 21	7 3	4 58	3 16	2 30	10 34	1 17	16 3	1 30	4 32	1 4	22 52	1 11	14 24	0 17	16 17	1 35	27 45	15 43	22 36	22 47	14 36		n.a.
F 15	7 43	2 26	5 6	2 32	2 25	10 11	1 19	15 48	1 31	4 37	1 4	22 52	1 11	14 25	0 17	16 18	1 35	27 44	15 43	22 35	22 46	14 38		n.a.
S 16	8 5	2s13	5 0	1 46	2 20	9 48	1 22	15 34	1 32	4 43	1 4	22 51	1 11	14 26	0 17	16 19	1 35	27 44	15 44	22 34	22 46	14 40		n.a.
S 17	8 27	6 44	4 40	1 0	2 14	9 25	1 25	15 19	1 32	4 48	1 4	22 51	1 11	14 28	0 17	16 19	1 35	27 44	15 44	22 33	22 45	14 42		n.a.
M18	8 48	10 58	4 8	0 12	2 8	9 1	1 27	15 5	1 33	4 54	1 4	22 51	1 11	14 29	0 17	16 20	1 35	27 44	15 44	22 31	22 45	14 44		n.a.
T 19	9 10	14 47	3 26	0n38	2 1	8 37	1 30	14 50	1 33	4 59	1 4	22 50	1 11	14 30	0 17	16 20	1 35	27 44	15 45	22 30	22 45	14 46		n.a.
W20	9 31	17 59	2 35	1 28	1 53	8 13	1 32	14 35	1 34	5 5	1 4	22 50	1 11	14 31	0 17	16 21	1 35	27 44	15 45	22 30	22 44	14 47		n.a.
T 21	9 53	20 27	1 37	2 20	1 46	7 48	1 34	14 20	1 34	5 10	1 4	22 49	1 11	14 32	0 17	16 22	1 35	27 44	15 45	22 29	22 44	14 49		n.a.
F 22	10 14	22 2	0 34	3 12	1 37	7 24	1 36	14 5	1 35	5 16	1 4	22 49	1 11	14 33	0 17	16 22	1 35	27 44	15 46	22 29	22 43	14 51		n.a.
S 23	10 35	22 38	0n31	4 6	1 29	6 59	1 38	13 50	1 35	5 21	1 4	22 49	1 11	14 34	0 17	16 23	1 35	27 44	15 46	22 29	22 43	14 53		n.a.
S 24	10 56	22 9	1 35	5 0	1 20	6 33	1 40	13 35	1 36	5 27	1 4	22 48	1 11	14 35	0 17	16 23	1 35	27 44	15 46	22 29	22 43	14 55		n.a.
M25	11 17	20 36	2 37	5 56	1 10	6 8	1 42	13 19	1 36	5 32	1 4	22 48	1 11	14 36	0 17	16 24	1 35	27 44	15 46	22 29	22 42	14 56		n.a.
T 26	11 37	18 0	3 32	6 51	1 0	5 42	1 44	13 4	1 37	5 38	1 4	22 47	1 11	14 38	0 17	16 25	1 35	27 44	15 47	22 29	22 42	14 58		n.a.
W27	11 57	14 25	4 18	7 47	0 50	5 16	1 46	12 48	1 37	5 43	1 4	22 47	1 11	14 39	0 17	16 25	1 35	27 44	15 47	22 29	22 41	15 0		n.a.
T 28	12 18	10 0	4 51	8 44	0 40	4 50	1 47	12 33	1 38	5 48	1 4	22 46	1 11	14 40	0 17	16 26	1 35	27 44	15 47	22 29	22 41	15 2		n.a.
F 29	12 38	4 56	5 9	9 41	0 29	4 24	1 49	12 17	1 38	5 54	1 4	22 45	1 11	14 41	0 17	16 26	1 35	27 44	15 48	22 29	22 41	15 4		n.a.
S 30	12n57	0n33	5n 8	10n37	0s19	3s57	1s50	12s 1	1s39	5n59	1s 4	22n45	1n11	14n42	0s17	16n27	1s35	27s44	15s48	22s28	22s40	15s 5		n.a.

Julian Day Number = 1572126.5, Delta T = 04h16m59s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°43'01, Lahiri = - 9°36'01 Julian Calendar 1 Apr. 409 BCE == Greg. Calendar 27 March 409 BCE

The year -408 astronomical counting style corresponds to year 409 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

MAY 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 15 26	4♉47'32	4♈27	0♉12	25♓29	3♓51	17♈45	24♋ 1	9♉57	20♉ 2	26♒ 6	11°R33	13♐ 8	0♏44	n.a.	S 1
M 2	14 19 23	5°44'52	19°33	2°22	26°38	4°36	17°59	24° 4	10° 0	20° 4	26° 7	11♐28	13° 5	0°50	n.a.	M 2
T 3	14 23 20	6°42'12	4♉47	4°33	27°47	5°20	18°13	24° 7	10° 4	20° 6	26° 7	11°24	13° 2	0°57	n.a.	T 3
W 4	14 27 16	7°39'31	19°58	6°45	28°57	6° 4	18°27	24°10	10° 7	20° 9	26° 8	11°21	12°59	1° 4	n.a.	W 4
T 5	14 31 13	8°36'49	4♊58	8°57	0♈ 6	6°48	18°40	24°14	10°11	20°11	26° 9	11°D19	12°56	1°10	n.a.	T 5
F 6	14 35 9	9°34'06	19°37	11° 8	1°16	7°32	18°54	24°18	10°14	20°13	26° 9	11°19	12°52	1°17	n.a.	F 6
S 7	14 39 6	10°31'22	3♋52	13°20	2°25	8°16	19° 8	24°21	10°18	20°15	26°10	11°20	12°49	1°24	n.a.	S 7
S 8	14 43 2	11°28'37	17°40	15°31	3°35	9° 0	19°21	24°25	10°21	20°17	26°10	11°22	12°46	1°30	n.a.	S 8
M 9	14 46 59	12°25'51	1♌ 3	17°41	4°44	9°44	19°35	24°29	10°25	20°20	26°11	11°23	12°43	1°37	n.a.	M 9
T 10	14 50 56	13°23'04	14° 1	19°50	5°54	10°28	19°48	24°33	10°28	20°22	26°11	11°R24	12°40	1°44	n.a.	T 10
W11	14 54 52	14°20'16	26°40	21°57	7° 4	11°11	20° 2	24°37	10°32	20°24	26°12	11°23	12°37	1°50	n.a.	W11
T 12	14 58 49	15°17'27	9♍ 1	24° 4	8°14	11°55	20°15	24°41	10°35	20°26	26°12	11°21	12°33	1°57	n.a.	T 12
F 13	15 2 45	16°14'37	21°10	26° 8	9°24	12°38	20°29	24°45	10°39	20°29	26°13	11°18	12°30	2° 4	n.a.	F 13
S 14	15 6 42	17°11'47	3♎10	28°11	10°34	13°22	20°42	24°49	10°42	20°31	26°13	11°15	12°27	2°10	n.a.	S 14
S 15	15 10 38	18° 8'55	15° 3	0♊12	11°44	14° 5	20°55	24°53	10°46	20°33	26°14	11°11	12°24	2°17	n.a.	S 15
M16	15 14 35	19° 6'04	26°54	2°11	12°54	14°49	21° 9	24°58	10°49	20°35	26°14	11° 7	12°21	2°24	n.a.	M16
T 17	15 18 31	20° 3'11	8♏44	4° 8	14° 4	15°32	21°22	25° 2	10°53	20°37	26°14	11° 4	12°17	2°30	n.a.	T 17
W18	15 22 28	21° 0'19	20°35	6° 2	15°14	16°15	21°35	25° 7	10°56	20°40	26°15	11° 2	12°14	2°37	n.a.	W18
T 19	15 26 25	21°57'25	2♐30	7°55	16°24	16°58	21°48	25°11	11° 0	20°42	26°15	11° 1	12°11	2°44	n.a.	T 19
F 20	15 30 21	22°54'32	14°30	9°45	17°35	17°41	22° 1	25°16	11° 3	20°44	26°15	11°D 1	12° 8	2°50	n.a.	F 20
S 21	15 34 18	23°51'38	26°39	11°33	18°45	18°24	22°14	25°21	11° 7	20°46	26°16	11° 1	12° 5	2°57	n.a.	S 21
S 22	15 38 14	24°48'45	8♑57	13°19	19°56	19° 7	22°27	25°26	11°10	20°49	26°16	11° 2	12° 2	3° 4	n.a.	S 22
M23	15 42 11	25°45'51	21°29	15° 3	21° 6	19°50	22°40	25°31	11°14	20°51	26°16	11° 4	11°58	3°10	n.a.	M23
T 24	15 46 7	26°42'57	4♒17	16°44	22°17	20°33	22°53	25°36	11°17	20°53	26°16	11° 5	11°55	3°17	n.a.	T 24
W25	15 50 4	27°40'03	17°24	18°23	23°27	21°15	23° 6	25°41	11°20	20°55	26°16	11° 5	11°52	3°24	n.a.	W25
T 26	15 54 0	28°37'09	0♓52	20° 0	24°38	21°58	23°19	25°46	11°24	20°58	26°17	11°R 6	11°49	3°31	n.a.	T 26
F 27	15 57 57	29°34'16	14°42	21°34	25°49	22°40	23°31	25°51	11°27	21° 0	26°17	11° 5	11°46	3°37	n.a.	F 27
S 28	16 1 54	0♊31'22	28°55	23° 6	27° 0	23°23	23°44	25°56	11°31	21° 2	26°17	11° 5	11°43	3°44	n.a.	S 28
S 29	16 5 50	1°28'29	13♈29	24°36	28°10	24° 5	23°56	26° 2	11°34	21° 4	26°17	11° 3	11°39	3°51	n.a.	S 29
M30	16 9 47	2°25'36	28°19	26° 4	29°21	24°47	24° 9	26° 7	11°37	21° 6	26°17	11° 2	11°36	3°57	n.a.	M30
T 31	16 13 43	3♊22'44	13♉19	27♊29	0♉32	25♓29	24♈21	26♋13	11♉41	21♉ 9	26♒17	11♐ 2	11♐33	4♏ 4	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	13n17	6n10	4n47	11n33	0s 8	3s31	1s51	11s45	1s39	6n 4	1s 4	22n44	1n11	14n43	0s17	16n28	1s34	27s44	15s49	22s27	22s40	15s 7			n.a.
M 2	13 36	11 31	4 5	12 29	0n 2	3 4	1 52	11 29	1 40	6 10	1 4	22 44	1 11	14 44	0 17	16 28	1 34	27 44	15 49	22 27	22 39	15 9			n.a.
T 3	13 56	16 12	3 6	13 24	0 13	2 37	1 53	11 13	1 40	6 15	1 4	22 43	1 11	14 46	0 16	16 29	1 34	27 44	15 49	22 26	22 39	15 11			n.a.
W 4	14 14	19 47	1 54	14 18	0 23	2 10	1 54	10 57	1 41	6 20	1 4	22 42	1 10	14 47	0 16	16 29	1 34	27 45	15 50	22 26	22 39	15 13			n.a.
T 5	14 33	21 58	0 35	15 11	0 34	1 43	1 55	10 41	1 41	6 26	1 4	22 42	1 10	14 48	0 16	16 30	1 34	27 45	15 50	22 25	22 38	15 14			n.a.
F 6	14 52	22 35	0s45	16 3	0 43	1 16	1 56	10 25	1 41	6 31	1 4	22 41	1 10	14 49	0 16	16 31	1 34	27 45	15 50	22 25	22 38	15 16			n.a.
S 7	15 10	21 41	2 0	16 53	0 53	0 48	1 57	10 9	1 42	6 36	1 4	22 40	1 10	14 50	0 16	16 31	1 34	27 45	15 51	22 26	22 37	15 18			n.a.
S 8	15 28	19 29	3 6	17 41	1 2	0 21	1 57	9 52	1 42	6 41	1 4	22 40	1 10	14 51	0 16	16 32	1 34	27 45	15 51	22 26	22 37	15 20			n.a.
M 9	15 46	16 17	4 0	18 27	1 11	0n 7	1 58	9 36	1 43	6 46	1 4	22 39	1 10	14 52	0 16	16 32	1 34	27 45	15 51	22 26	22 37	15 21			n.a.
T 10	16 3	12 23	4 39	19 11	1 19	0 34	1 58	9 19	1 43	6 52	1 4	22 38	1 10	14 53	0 16	16 33	1 34	27 45	15 52	22 26	22 36	15 23			n.a.
W11	16 21	8 2	5 4	19 53	1 26	1 2	1 58	9 3	1 43	6 57	1 4	22 38	1 10	14 55	0 16	16 34	1 34	27 45	15 52	22 26	22 36	15 25			n.a.
T 12	16 38	3 27	5 14	20 32	1 33	1 30	1 58	8 46	1 44	7 2	1 4	22 37	1 10	14 56	0 16	16 34	1 34	27 46	15 52	22 26	22 35	15 27			n.a.
F 13	16 54	1s11	5 9	21 9	1 39	1 57	1 59	8 30	1 44	7 7	1 4	22 36	1 10	14 57	0 16	16 35	1 34	27 46	15 53	22 25	22 35	15 28			n.a.
S 14	17 11	5 43	4 51	21 43	1 45	2 25	1 59	8 13	1 44	7 12	1 4	22 35	1 10	14 58	0 16	16 35	1 34	27 46	15 53	22 25	22 35	15 30			n.a.
S 15	17 27	10 0	4 21	22 14	1 50	2 53	1 59	7 57	1 45	7 17	1 4	22 34	1 10	14 59	0 16	16 36	1 34	27 46	15 54	22 24	22 34	15 32			n.a.
M16	17 43	13 54	3 40	22 43	1 54	3 20	1 58	7 40	1 45	7 22	1 4	22 33	1 10	15 0	0 16	16 37	1 34	27 46	15 54	22 24	22 34	15 33			n.a.
T 17	17 59	17 15	2 49	23 10	1 58	3 48	1 58	7 23	1 45	7 27	1 4	22 33	1 10	15 1	0 16	16 37	1 34	27 47	15 54	22 23	22 33	15 35			n.a.
W18	18 14	19 54	1 50	23 34	2 0	4 16	1 58	7 7	1 46	7 32	1 4	22 32	1 10	15 2	0 16	16 38	1 34	27 47	15 55	22 23	22 33	15 37			n.a.
T 19	18 29	21 41	0 47	23 55	2 2	4 44	1 57	6 50	1 46	7 37	1 4	22 31	1 10	15 3	0 16	16 38	1 34	27 47	15 55	22 23	22 32	15 39			n.a.
F 20	18 44	22 31	0n19	24 14	2 4	5 11	1 57	6 33	1 46	7 42	1 4	22 30	1 10	15 5	0 16	16 39	1 34	27 47	15 55	22 23	22 32	15 40			n.a.
S 21	18 59	22 17	1 25	24 31	2 4	5 39	1 56	6 16	1 46	7 47	1 4	22 29	1 10	15 6	0 16	16 40	1 34	27 48	15 56	22 23	22 32	15 42			n.a.
S 22	19 13	20 58	2 29	24 45	2 4	6 6	1 56	6 0	1 47	7 51	1 4	22 28	1 10	15 7	0 16	16 40	1 34	27 48	15 56	22 23	22 31	15 44			n.a.
M23	19 27	18 37	3 26	24 56	2 4	6 34	1 55	5 43	1 47	7 56	1 4	22 27	1 10	15 8	0 16	16 41	1 34	27 48	15 57	22 23	22 31	15 45			n.a.
T 24	19 40	15 19	4 14	25 6	2 2	7 1	1 54	5 26	1 47	8 1	1 4	22 26	1 10	15 9	0 16	16 41	1 34	27 48	15 57	22 23	22 30	15 47			n.a.
W25	19 53	11 13	4 50	25 13	2 0	7 28	1 53	5 9	1 47	8 6	1 4	22 25	1 10	15 10	0 16	16 42	1 34	27 49	15 57	22 23	22 30	15 49			n.a.
T 26	20 6	6 27	5 12	25 19	1 58	7 55	1 52	4 52	1 48	8 11	1 4	22 24	1 10	15 11	0 16	16 43	1 34	27 49	15 58	22 23	22 29	15 50			n.a.
F 27	20 19	1 15	5 16	25 22	1 54	8 22	1 51	4 36	1 48	8 15	1 4	22 23	1 10	15 12	0 16	16 43	1 34	27 49	15 58	22 23	22 29	15 52			n.a.
S 28	20 31	4n10	5 2	25 24	1 50	8 49	1 50	4 19	1 48	8 20	1 4	22 22	1 10	15 13	0 16	16 44	1 34	27 50	15 58	22 23	22 29	15 54			n.a.
S 29	20 43	9 29	4 28	25 24	1 46	9 16	1 49	4 2	1 48	8 25	1 4	22 21	1 10	15 14	0 16	16 44	1 34	27 50	15 59	22 23	22 28	15 55			n.a.
M30	20 55	14 21	3 35	25 22	1 41	9 42	1 48	3 45	1 49	8 29	1 4	22 20	1 10	15 15	0 16	16 45	1 34	27 50	15 59	22 23	22 28	15 57			n.a.
T 31	21n 6	18n23	2n28	25n18	1n35	10n 9	1s47	3s28	1s49	8n34	1s 4	22n19	1n10	15n16	0s16	16n46	1s34	27s51	16s 0	22s23	22s27	15s59			n.a.

Julian Day Number = 1572156.5, Delta T = 04h16m58s
Ecliptic obliquity = 23°44'39, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'57, Lahiri = - 9°35'57 Julian Calendar 1 May 409 BCE == Greg. Calendar 26 Apr. 409 BCE

The year -408 astronomical counting style corresponds to year 409 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

JUNE 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 17 40	4♊19'51	28♉20	28♊51	1♉43	26♓11	24♈34	26♋18	11♉44	21♉11	26°R17	11°R 1	11♐30	4♏11	n.a.	W 1
T 2	16 21 36	5°16'59	13♊15	0♋12	2°54	26°53	24°46	26°24	11°47	21°13	26♒17	11°D 1	11°27	4°17	n.a.	T 2
F 3	16 25 33	6°14'07	27°55	1°29	4° 6	27°35	24°58	26°29	11°51	21°15	26°17	11♐ 1	11°23	4°24	n.a.	F 3
S 4	16 29 29	7°11'15	12♋14	2°45	5°17	28°17	25°10	26°35	11°54	21°17	26°17	11° 2	11°20	4°31	n.a.	S 4
S 5	16 33 26	8° 8'22	26° 9	3°57	6°28	28°58	25°23	26°41	11°57	21°20	26°17	11° 2	11°17	4°37	n.a.	S 5
M 6	16 37 23	9° 5'30	9♌37	5° 7	7°39	29°40	25°35	26°47	12° 0	21°22	26°17	11° 2	11°14	4°44	n.a.	M 6
T 7	16 41 19	10° 2'38	22°41	6°15	8°51	0♈21	25°47	26°53	12° 4	21°24	26°17	11° 2	11°11	4°51	n.a.	T 7
W 8	16 45 16	10°59'46	5♍23	7°19	10° 2	1° 3	25°58	26°59	12° 7	21°26	26°16	11° 2	11° 8	4°57	n.a.	W 8
T 9	16 49 12	11°56'53	17°45	8°21	11°13	1°44	26°10	27° 5	12°10	21°28	26°16	11° 2	11° 4	5° 4	n.a.	T 9
F 10	16 53 9	12°54'01	29°53	9°19	12°25	2°25	26°22	27°11	12°13	21°30	26°16	11° 2	11° 1	5°11	n.a.	F 10
S 11	16 57 5	13°51'09	11♎50	10°14	13°36	3° 6	26°34	27°17	12°16	21°32	26°16	11° 3	10°58	5°17	n.a.	S 11
S 12	17 1 2	14°48'17	23°42	11° 7	14°48	3°47	26°45	27°23	12°19	21°34	26°16	11° 3	10°55	5°24	n.a.	S 12
M13	17 4 59	15°45'26	5♏31	11°55	16° 0	4°28	26°57	27°29	12°23	21°37	26°15	11° 3	10°52	5°31	n.a.	M13
T 14	17 8 55	16°42'35	17°22	12°41	17°11	5° 8	27° 8	27°36	12°26	21°39	26°15	11° 4	10°48	5°37	n.a.	T 14
W15	17 12 52	17°39'44	29°18	13°22	18°23	5°49	27°19	27°42	12°29	21°41	26°15	11° 4	10°45	5°44	n.a.	W15
T 16	17 16 48	18°36'54	11♐21	14° 0	19°35	6°29	27°31	27°48	12°32	21°43	26°14	11°R 4	10°42	5°51	n.a.	T 16
F 17	17 20 45	19°34'04	23°33	14°34	20°47	7° 9	27°42	27°55	12°35	21°45	26°14	11° 4	10°39	5°57	n.a.	F 17
S 18	17 24 41	20°31'15	5♑56	15° 4	21°58	7°50	27°53	28° 1	12°38	21°47	26°14	11° 4	10°36	6° 4	n.a.	S 18
S 19	17 28 38	21°28'27	18°31	15°30	23°10	8°30	28° 4	28° 8	12°41	21°49	26°13	11° 3	10°33	6°11	n.a.	S 19
M20	17 32 34	22°25'39	1♒19	15°51	24°22	9°10	28°14	28°14	12°43	21°51	26°13	11° 1	10°29	6°17	n.a.	M20
T 21	17 36 31	23°22'52	14°22	16° 8	25°34	9°49	28°25	28°21	12°46	21°53	26°13	11° 0	10°26	6°24	n.a.	T 21
W22	17 40 28	24°20'06	27°39	16°20	26°46	10°29	28°36	28°28	12°49	21°55	26°12	10°58	10°23	6°31	n.a.	W22
T 23	17 44 24	25°17'22	11♓12	16°27	27°59	11° 9	28°46	28°34	12°52	21°57	26°12	10°57	10°20	6°37	n.a.	T 23
F 24	17 48 21	26°14'38	25° 1	16°R29	29°11	11°48	28°57	28°41	12°55	21°59	26°11	10°D57	10°17	6°44	n.a.	F 24
S 25	17 52 17	27°11'55	9♈ 5	16°27	0♊23	12°28	29° 7	28°48	12°58	22° 1	26°11	10°57	10°14	6°51	n.a.	S 25
S 26	17 56 14	28° 9'14	23°23	16°19	1°35	13° 7	29°18	28°55	13° 0	22° 2	26°10	10°58	10°10	6°57	n.a.	S 26
M27	18 0 10	29° 6'34	7♉52	16° 6	2°48	13°46	29°28	29° 1	13° 3	22° 4	26°10	10°59	10° 7	7° 4	n.a.	M27
T 28	18 4 7	0♋ 3'55	22°29	15°48	4° 0	14°25	29°38	29° 8	13° 6	22° 6	26° 9	11° 0	10° 4	7°11	n.a.	T 28
W29	18 8 3	1° 1'18	7♊ 9	15°25	5°12	15° 3	29°48	29°15	13° 8	22° 8	26° 8	11°R 1	10° 1	7°17	n.a.	W29
T 30	18 12 0	1♋58'41	21♊46	14♋57	6♊25	15♈42	29♈58	29♋22	13♉11	22♉10	26♒ 8	11♐ 1	9♐58	7♏24	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	21n17	21n11	1n10	25n13	1n28	10n35	1s45	3s12	1s49	8n38	1s 4	22n18	1n10	15n17	0s16	16n46	1s34	27s51	16s 0	22s23	22s27	16s 0		n.a.	W 1
T 2	21 27	22 28	0s12	25 6	1 22	11 1	1 44	2 55	1 49	8 43	1 5	22 17	1 10	15 18	0 16	16 47	1 34	27 51	16 0	22 23	22 26	16 2		n.a.	T 2
F 3	21 37	22 11	1 33	24 58	1 14	11 27	1 42	2 38	1 49	8 47	1 5	22 16	1 10	15 19	0 16	16 47	1 34	27 52	16 1	22 23	22 26	16 4		n.a.	F 3
S 4	21 47	20 26	2 45	24 49	1 6	11 52	1 41	2 22	1 49	8 52	1 5	22 15	1 10	15 20	0 16	16 48	1 34	27 52	16 1	22 23	22 26	16 5		n.a.	S 4
S 5	21 57	17 30	3 45	24 39	0 58	12 17	1 39	2 5	1 49	8 56	1 5	22 14	1 10	15 21	0 16	16 48	1 34	27 52	16 1	22 23	22 25	16 7		n.a.	S 5
M 6	22 6	13 43	4 31	24 27	0 49	12 42	1 37	1 48	1 50	9 0	1 5	22 12	1 10	15 22	0 16	16 49	1 34	27 53	16 2	22 23	22 25	16 9		n.a.	M 6
T 7	22 14	9 23	5 2	24 15	0 39	13 7	1 36	1 32	1 50	9 5	1 5	22 11	1 10	15 23	0 16	16 50	1 34	27 53	16 2	22 23	22 24	16 10		n.a.	T 7
W 8	22 23	4 46	5 16	24 1	0 29	13 32	1 34	1 15	1 50	9 9	1 5	22 10	1 10	15 24	0 16	16 50	1 34	27 54	16 3	22 23	22 24	16 12		n.a.	W 8
T 9	22 31	0 4	5 15	23 47	0 19	13 56	1 32	0 59	1 50	9 13	1 5	22 9	1 10	15 25	0 16	16 51	1 34	27 54	16 3	22 23	22 23	16 13		n.a.	T 9
F 10	22 38	4s32	5 1	23 33	0 8	14 20	1 30	0 42	1 50	9 18	1 5	22 8	1 10	15 26	0 16	16 51	1 34	27 54	16 3	22 23	22 23	16 15		n.a.	F 10
S 11	22 45	8 55	4 33	23 17	0s 3	14 43	1 28	0 26	1 50	9 22	1 5	22 6	1 10	15 27	0 16	16 52	1 34	27 55	16 4	22 23	22 22	16 17		n.a.	S 11
S 12	22 52	12 55	3 54	23 1	0 15	15 7	1 26	0 10	1 50	9 26	1 5	22 5	1 10	15 28	0 16	16 52	1 34	27 55	16 4	22 23	22 22	16 18		n.a.	S 12
M13	22 58	16 26	3 5	22 45	0 27	15 30	1 24	0n 7	1 50	9 30	1 5	22 4	1 10	15 29	0 16	16 53	1 34	27 56	16 4	22 23	22 21	16 20		n.a.	M13
T 14	23 4	19 16	2 8	22 28	0 40	15 52	1 22	0 23	1 50	9 34	1 5	22 3	1 10	15 30	0 16	16 53	1 34	27 56	16 5	22 23	22 21	16 21		n.a.	T 14
W15	23 10	21 19	1 5	22 11	0 53	16 15	1 20	0 39	1 50	9 38	1 5	22 1	1 10	15 31	0 16	16 54	1 34	27 56	16 5	22 23	22 21	16 23		n.a.	W15
T 16	23 15	22 24	0n 2	21 54	1 6	16 36	1 18	0 55	1 50	9 42	1 5	22 0	1 10	15 32	0 16	16 54	1 34	27 57	16 5	22 23	22 20	16 25		n.a.	T 16
F 17	23 20	22 26	1 9	21 38	1 19	16 58	1 15	1 12	1 50	9 46	1 6	21 59	1 10	15 33	0 16	16 55	1 34	27 57	16 6	22 23	22 20	16 26		n.a.	F 17
S 18	23 24	21 23	2 14	21 21	1 33	17 19	1 13	1 28	1 50	9 50	1 6	21 58	1 10	15 34	0 16	16 55	1 34	27 58	16 6	22 23	22 19	16 28		n.a.	S 18
S 19	23 28	19 16	3 13	21 4	1 46	17 40	1 11	1 44	1 50	9 54	1 6	21 56	1 10	15 35	0 16	16 56	1 34	27 58	16 6	22 23	22 19	16 29		n.a.	S 19
M20	23 31	16 9	4 4	20 48	2 0	18 0	1 8	1 59	1 50	9 58	1 6	21 55	1 10	15 36	0 16	16 56	1 34	27 59	16 7	22 23	22 18	16 31		n.a.	M20
T 21	23 35	12 13	4 43	20 32	2 14	18 20	1 6	2 15	1 50	10 1	1 6	21 54	1 10	15 37	0 16	16 57	1 34	27 59	16 7	22 23	22 18	16 33		n.a.	T 21
W22	23 37	7 38	5 8	20 17	2 28	18 39	1 4	2 31	1 50	10 5	1 6	21 52	1 10	15 37	0 16	16 57	1 34	28 0	16 8	22 22	22 17	16 34		n.a.	W22
T 23	23 40	2 35	5 16	20 2	2 42	18 58	1 1	2 47	1 50	10 9	1 6	21 51	1 10	15 38	0 16	16 58	1 35	28 0	16 8	22 22	22 17	16 36		n.a.	T 23
F 24	23 41	2n41	5 7	19 48	2 56	19 17	0 59	3 2	1 50	10 13	1 6	21 49	1 10	15 39	0 16	16 58	1 35	28 1	16 8	22 22	22 16	16 37		n.a.	F 24
S 25	23 43	7 54	4 39	19 35	3 9	19 34	0 56	3 18	1 50	10 16	1 6	21 48	1 10	15 40	0 16	16 59	1 35	28 1	16 9	22 22	22 16	16 39		n.a.	S 25
S 26	23 44	12 48	3 54	19 23	3 22	19 52	0 54	3 34	1 50	10 20	1 6	21 47	1 10	15 41	0 16	16 59	1 35	28 2	16 9	22 22	22 15	16 40		n.a.	S 26
M27	23 44	17 2	2 53	19 12	3 35	20 9	0 51	3 49	1 50	10 23	1 6	21 45	1 10	15 42	0 16	17 0	1 35	28 2	16 9	22 23	22 15	16 42		n.a.	M27
T 28	23 45	20 15	1 41	19 2	3 47	20 25	0 49	4 4	1 50	10 27	1 6	21 44	1 10	15 43	0 16	17 0	1 35	28 3	16 10	22 23	22 15	16 43		n.a.	T 28
W29	23 44	22 8	0 21	18 54	3 58	20 41	0 46	4 19	1 49	10 30	1 7	21 42	1 10	15 43	0 16	17 1	1 35	28 3	16 10	22 23	22 14	16 45		n.a.	W29
T 30	23n44	22n30	0s59	18n47	4s 8	20n57	0s43	4n35	1s49	10n34	1s 7	21n41	1n10	15n44	0s16	17n 1	1s35	28s 4	16s10	22s23	22s14	16s46		n.a.	T 30

Julian Day Number = 1572187.5, Delta T = 04h16m57s
Ecliptic obliquity = 23°44'38, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'53, Lahiri = - 9°35'52 Julian Calendar 1 June 409 BCE == Greg. Calendar 27 May 409 BCE

The year -408 astronomical counting style corresponds to year 409 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

JULY 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 15 57	2♋56'06	6♋13	14°R25	7♊37	16♈21	0♉ 7	29♋29	13♉13	22♉12	26°R 7	10°R59	9♐54	7♏31	n.a.	F 1
S 2	18 19 53	3°53'31	20°24	13♋49	8°50	16°59	0°17	29°36	13°16	22°13	26♒ 7	10♐57	9°51	7°37	n.a.	S 2
S 3	18 23 50	4°50'58	4♌16	13°10	10° 3	17°37	0°26	29°43	13°18	22°15	26° 6	10°54	9°48	7°44	n.a.	S 3
M 4	18 27 46	5°48'25	17°45	12°27	11°15	18°15	0°36	29°50	13°21	22°17	26° 5	10°50	9°45	7°51	n.a.	M 4
T 5	18 31 43	6°45'54	0♍51	11°42	12°28	18°53	0°45	29°57	13°23	22°19	26° 4	10°47	9°42	7°57	n.a.	T 5
W 6	18 35 39	7°43'23	13°35	10°55	13°41	19°30	0°54	0♌ 5	13°26	22°20	26° 4	10°44	9°39	8° 4	n.a.	W 6
T 7	18 39 36	8°40'53	25°59	10° 7	14°54	20° 8	1° 3	0°12	13°28	22°22	26° 3	10°42	9°35	8°11	n.a.	T 7
F 8	18 43 32	9°38'25	8♎ 8	9°20	16° 6	20°45	1°12	0°19	13°30	22°24	26° 2	10°D41	9°32	8°17	n.a.	F 8
S 9	18 47 29	10°35'57	20° 5	8°33	17°19	21°23	1°21	0°26	13°33	22°25	26° 1	10°41	9°29	8°24	n.a.	S 9
S 10	18 51 26	11°33'30	1♏56	7°48	18°32	22° 0	1°30	0°33	13°35	22°27	26° 1	10°43	9°26	8°31	n.a.	S 10
M11	18 55 22	12°31'05	13°46	7° 6	19°45	22°36	1°38	0°41	13°37	22°29	26° 0	10°44	9°23	8°37	n.a.	M11
T 12	18 59 19	13°28'40	25°39	6°27	20°58	23°13	1°46	0°48	13°39	22°30	25°59	10°46	9°20	8°44	n.a.	T 12
W13	19 3 15	14°26'17	7♐40	5°53	22°11	23°50	1°55	0°55	13°41	22°32	25°58	10°R47	9°16	8°51	n.a.	W13
T 14	19 7 12	15°23'55	19°51	5°24	23°24	24°26	2° 3	1° 3	13°43	22°33	25°57	10°47	9°13	8°57	n.a.	T 14
F 15	19 11 8	16°21'34	2♑16	5° 1	24°38	25° 2	2°11	1°10	13°46	22°35	25°56	10°45	9°10	9° 4	n.a.	F 15
S 16	19 15 5	17°19'15	14°56	4°44	25°51	25°38	2°19	1°17	13°48	22°36	25°56	10°41	9° 7	9°11	n.a.	S 16
S 17	19 19 2	18°16'57	27°51	4°34	27° 4	26°14	2°26	1°25	13°49	22°38	25°55	10°36	9° 4	9°17	n.a.	S 17
M18	19 22 58	19°14'41	11♒ 2	4°D31	28°17	26°49	2°34	1°32	13°51	22°39	25°54	10°30	9° 0	9°24	n.a.	M18
T 19	19 26 55	20°12'26	24°28	4°35	29°31	27°25	2°41	1°40	13°53	22°40	25°53	10°23	8°57	9°31	n.a.	T 19
W20	19 30 51	21°10'13	8♓ 5	4°47	0♋44	28° 0	2°49	1°47	13°55	22°42	25°52	10°17	8°54	9°37	n.a.	W20
T 21	19 34 48	22° 8'02	21°53	5° 7	1°57	28°35	2°56	1°55	13°57	22°43	25°51	10°13	8°51	9°44	n.a.	T 21
F 22	19 38 44	23° 5'52	5♈50	5°35	3°11	29°10	3° 3	2° 2	13°59	22°44	25°50	10°10	8°48	9°51	n.a.	F 22
S 23	19 42 41	24° 3'45	19°53	6°10	4°24	29°44	3°10	2° 9	14° 0	22°46	25°49	10°D 8	8°45	9°57	n.a.	S 23
S 24	19 46 37	25° 1'39	4♉ 2	6°53	5°38	0♉19	3°16	2°17	14° 2	22°47	25°48	10° 8	8°41	10° 4	n.a.	S 24
M25	19 50 34	25°59'36	18°15	7°43	6°52	0°53	3°23	2°24	14° 4	22°48	25°47	10° 9	8°38	10°11	n.a.	M25
T 26	19 54 30	26°57'34	2♊30	8°40	8° 5	1°27	3°29	2°32	14° 5	22°49	25°46	10°11	8°35	10°17	n.a.	T 26
W27	19 58 27	27°55'35	16°44	9°44	9°19	2° 0	3°36	2°39	14° 7	22°51	25°45	10°R11	8°32	10°24	n.a.	W27
T 28	20 2 24	28°53'38	0♋55	10°55	10°33	2°34	3°42	2°47	14° 8	22°52	25°44	10° 9	8°29	10°31	n.a.	T 28
F 29	20 6 20	29°51'42	15° 0	12°11	11°47	3° 7	3°48	2°55	14°10	22°53	25°43	10° 5	8°26	10°37	n.a.	F 29
S 30	20 10 17	0♌49'48	28°53	13°34	13° 0	3°40	3°53	3° 2	14°11	22°54	25°42	9°59	8°22	10°44	n.a.	S 30
S 31	20 14 13	1♌47'56	12♌31	15♋ 1	14♋14	4♉13	3♉59	3♌10	14♉12	22♉55	25♒41	9♐50	8♐19	10♏51	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n43	21n21	2s15	18n41	4s17	21n11	0s41	4n50	1s49	10n37	1s 7	21n39	1n10	15n45	0s16	17n 2	1s35	28s 4	16s10	22s23	22s13	16s48		n.a.
S 2	23 41	18 52	3 20	18 37	4 25	21 26	0 38	5 5	1 49	10 40	1 7	21 38	1 10	15 46	0 16	17 2	1 35	28 5	16 11	22 22	22 13	16 49		n.a.
S 3	23 39	15 21	4 12	18 34	4 32	21 39	0 35	5 20	1 49	10 44	1 7	21 36	1 10	15 46	0 16	17 2	1 35	28 5	16 11	22 22	22 12	16 51		n.a.
M 4	23 37	11 7	4 49	18 33	4 37	21 52	0 33	5 34	1 49	10 47	1 7	21 35	1 10	15 47	0 16	17 3	1 35	28 6	16 11	22 21	22 12	16 52		n.a.
T 5	23 34	6 29	5 9	18 34	4 40	22 5	0 30	5 49	1 48	10 50	1 7	21 33	1 10	15 48	0 16	17 3	1 35	28 6	16 12	22 21	22 11	16 54		n.a.
W 6	23 31	1 43	5 14	18 36	4 42	22 17	0 27	6 4	1 48	10 53	1 7	21 32	1 10	15 49	0 16	17 4	1 35	28 7	16 12	22 20	22 11	16 55		n.a.
T 7	23 27	3s 1	5 3	18 40	4 42	22 28	0 25	6 18	1 48	10 56	1 7	21 30	1 10	15 49	0 16	17 4	1 35	28 7	16 12	22 20	22 10	16 57		n.a.
F 8	23 23	7 31	4 39	18 45	4 40	22 39	0 22	6 32	1 48	10 59	1 8	21 29	1 10	15 50	0 16	17 4	1 35	28 8	16 13	22 20	22 10	16 58		n.a.
S 9	23 19	11 41	4 3	18 52	4 36	22 49	0 19	6 47	1 48	11 2	1 8	21 27	1 10	15 51	0 16	17 5	1 35	28 9	16 13	22 20	22 9	17 0		n.a.
S 10	23 14	15 22	3 17	19 0	4 31	22 58	0 17	7 1	1 47	11 5	1 8	21 26	1 10	15 51	0 16	17 5	1 35	28 9	16 13	22 20	22 9	17 1		n.a.
M11	23 9	18 26	2 23	19 10	4 23	23 7	0 14	7 15	1 47	11 8	1 8	21 24	1 10	15 52	0 16	17 6	1 35	28 10	16 13	22 20	22 8	17 3		n.a.
T 12	23 3	20 44	1 22	19 21	4 15	23 15	0 11	7 29	1 47	11 11	1 8	21 23	1 10	15 53	0 16	17 6	1 35	28 10	16 14	22 21	22 8	17 4		n.a.
W13	22 57	22 9	0 17	19 33	4 4	23 22	0 9	7 43	1 47	11 14	1 8	21 21	1 10	15 53	0 16	17 6	1 35	28 11	16 14	22 21	22 7	17 6		n.a.
T 14	22 51	22 32	0n49	19 46	3 52	23 29	0 6	7 57	1 46	11 16	1 8	21 19	1 10	15 54	0 16	17 7	1 35	28 11	16 14	22 21	22 7	17 7		n.a.
F 15	22 44	21 49	1 55	20 0	3 39	23 35	0 3	8 10	1 46	11 19	1 8	21 18	1 10	15 55	0 16	17 7	1 35	28 12	16 14	22 20	22 6	17 9		n.a.
S 16	22 36	20 0	2 55	20 15	3 25	23 40	0 1	8 24	1 46	11 22	1 8	21 16	1 10	15 55	0 16	17 7	1 35	28 12	16 15	22 20	22 6	17 10		n.a.
S 17	22 29	17 8	3 48	20 30	3 10	23 45	0n 2	8 37	1 45	11 24	1 9	21 15	1 11	15 56	0 16	17 8	1 35	28 13	16 15	22 19	22 5	17 12		n.a.
M18	22 21	13 21	4 30	20 46	2 54	23 49	0 5	8 50	1 45	11 27	1 9	21 13	1 11	15 56	0 16	17 8	1 35	28 13	16 15	22 18	22 5	17 13		n.a.
T 19	22 12	8 51	4 58	21 2	2 38	23 52	0 7	9 4	1 45	11 29	1 9	21 11	1 11	15 57	0 16	17 8	1 35	28 14	16 15	22 17	22 4	17 15		n.a.
W20	22 3	3 52	5 9	21 19	2 21	23 54	0 10	9 17	1 44	11 31	1 9	21 10	1 11	15 57	0 16	17 9	1 35	28 15	16 16	22 17	22 4	17 16		n.a.
T 21	21 54	1n23	5 3	21 35	2 4	23 56	0 12	9 30	1 44	11 34	1 9	21 8	1 11	15 58	0 16	17 9	1 35	28 15	16 16	22 16	22 3	17 17		n.a.
F 22	21 44	6 37	4 39	21 51	1 47	23 57	0 15	9 42	1 43	11 36	1 9	21 6	1 11	15 59	0 16	17 9	1 35	28 16	16 16	22 15	22 3	17 19		n.a.
S 23	21 34	11 33	3 58	22 6	1 30	23 58	0 17	9 55	1 43	11 38	1 9	21 5	1 11	15 59	0 16	17 10	1 35	28 16	16 16	22 15	22 2	17 20		n.a.
S 24	21 24	15 53	3 3	22 21	1 13	23 57	0 20	10 8	1 43	11 41	1 9	21 3	1 11	16 0	0 16	17 10	1 35	28 17	16 17	22 15	22 2	17 22		n.a.
M25	21 13	19 20	1 56	22 34	0 57	23 56	0 22	10 20	1 42	11 43	1 10	21 1	1 11	16 0	0 16	17 10	1 36	28 17	16 17	22 15	22 1	17 23		n.a.
T 26	21 2	21 36	0 41	22 47	0 41	23 54	0 25	10 32	1 42	11 45	1 10	21 0	1 11	16 0	0 16	17 10	1 36	28 18	16 17	22 15	22 1	17 24		n.a.
W27	20 50	22 29	0s35	22 58	0 25	23 52	0 27	10 45	1 41	11 47	1 10	20 58	1 11	16 1	0 16	17 11	1 36	28 18	16 17	22 16	22 0	17 26		n.a.
T 28	20 38	21 55	1 50	23 7	0 11	23 49	0 30	10 57	1 41	11 49	1 10	20 56	1 11	16 1	0 16	17 11	1 36	28 19	16 17	22 15	22 0	17 27		n.a.
F 29	20 26	19 58	2 56	23 14	0n 4	23 45	0 32	11 8	1 40	11 51	1 10	20 55	1 11	16 2	0 16	17 11	1 36	28 20	16 17	22 15	21 59	17 29		n.a.
S 30	20 14	16 52	3 52	23 19	0 17	23 40	0 34	11 20	1 40	11 52	1 10	20 53	1 11	16 2	0 16	17 11	1 36	28 20	16 18	22 14	21 59	17 30		n.a.
S 31	20n 1	12n55	4s32	23n22	0n29	23n35	0n37	11n32	1s39	11n54	1s10	20n51	1n11	16n 3	0s16	17n12	1s36	28s21	16s18	22s13	21s58	17s31		n.a.

Julian Day Number = 1572217.5, Delta T = 04h16m56s
Ecliptic obliquity = 23°44'37, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'49, Lahiri = - 9°35'48 Julian Calendar 1 July 409 BCE == Greg. Calendar 26 June 409 BCE

The year -408 astronomical counting style corresponds to year 409 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

AUGUST 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 18 10	2♌46'06	25♌51	16♋33	15♋28	4♉45	4♉ 4	3♌17	14♉13	22♉56	25°R40	9°R41	8♐16	10♏57	n.a.	M 1
T 2	20 22 6	3°44'17	8♍52	18°10	16°42	5°18	4°10	3°25	14°15	22°57	25♒38	9♐32	8°13	11° 4	n.a.	T 2
W 3	20 26 3	4°42'30	21°33	19°50	17°56	5°50	4°15	3°32	14°16	22°58	25°37	9°24	8°10	11°11	n.a.	W 3
T 4	20 29 59	5°40'45	3♎57	21°34	19°10	6°21	4°20	3°40	14°17	22°59	25°36	9°17	8° 6	11°17	n.a.	T 4
F 5	20 33 56	6°39'01	16° 5	23°20	20°24	6°53	4°24	3°47	14°18	23° 0	25°35	9°13	8° 3	11°24	n.a.	F 5
S 6	20 37 53	7°37'19	28° 1	25° 9	21°39	7°24	4°29	3°55	14°19	23° 1	25°34	9°11	8° 0	11°31	n.a.	S 6
S 7	20 41 49	8°35'39	9♏52	26°59	22°53	7°55	4°33	4° 2	14°20	23° 1	25°33	9°D10	7°57	11°37	n.a.	S 7
M 8	20 45 46	9°34'00	21°41	28°51	24° 7	8°25	4°37	4°10	14°21	23° 2	25°32	9°11	7°54	11°44	n.a.	M 8
T 9	20 49 42	10°32'24	3♐35	0♌44	25°21	8°56	4°42	4°17	14°22	23° 3	25°31	9°R11	7°51	11°51	n.a.	T 9
W10	20 53 39	11°30'48	15°38	2°38	26°35	9°26	4°45	4°25	14°23	23° 4	25°29	9°11	7°47	11°57	n.a.	W10
T 11	20 57 35	12°29'15	27°55	4°32	27°50	9°56	4°49	4°32	14°24	23° 4	25°28	9°10	7°44	12° 4	n.a.	T 11
F 12	21 1 32	13°27'44	10♑30	6°26	29° 4	10°25	4°53	4°40	14°24	23° 5	25°27	9° 6	7°41	12°11	n.a.	F 12
S 13	21 5 28	14°26'14	23°24	8°21	0♌18	10°54	4°56	4°47	14°25	23° 6	25°26	8°59	7°38	12°17	n.a.	S 13
S 14	21 9 25	15°24'46	6♒40	10°15	1°33	11°23	4°59	4°55	14°26	23° 6	25°25	8°50	7°35	12°24	n.a.	S 14
M15	21 13 22	16°23'20	20°15	12° 8	2°47	11°51	5° 2	5° 2	14°26	23° 7	25°23	8°40	7°32	12°31	n.a.	M15
T 16	21 17 18	17°21'56	4♓ 6	14° 1	4° 2	12°20	5° 5	5°10	14°27	23° 8	25°22	8°29	7°28	12°37	n.a.	T 16
W17	21 21 15	18°20'35	18°10	15°53	5°16	12°48	5° 7	5°17	14°27	23° 8	25°21	8°18	7°25	12°44	n.a.	W17
T 18	21 25 11	19°19'15	2♈22	17°45	6°31	13°15	5°10	5°24	14°28	23° 9	25°20	8° 9	7°22	12°51	n.a.	T 18
F 19	21 29 8	20°17'58	16°38	19°36	7°45	13°42	5°12	5°32	14°28	23° 9	25°19	8° 3	7°19	12°57	n.a.	F 19
S 20	21 33 4	21°16'43	0♉52	21°26	9° 0	14° 9	5°14	5°39	14°28	23° 9	25°17	7°59	7°16	13° 4	n.a.	S 20
S 21	21 37 1	22°15'31	15° 3	23°15	10°15	14°35	5°16	5°46	14°29	23°10	25°16	7°58	7°12	13°11	n.a.	S 21
M22	21 40 57	23°14'21	29° 9	25° 3	11°29	15° 2	5°17	5°54	14°29	23°10	25°15	7°D58	7° 9	13°17	n.a.	M22
T 23	21 44 54	24°13'13	13♊ 9	26°51	12°44	15°27	5°19	6° 1	14°29	23°11	25°14	7°R58	7° 6	13°24	n.a.	T 23
W24	21 48 51	25°12'08	27° 3	28°37	13°59	15°53	5°20	6° 8	14°29	23°11	25°13	7°57	7° 3	13°31	n.a.	W24
T 25	21 52 47	26°11'05	10♋50	0♍22	15°14	16°17	5°21	6°16	14°29	23°11	25°11	7°53	7° 0	13°37	n.a.	T 25
F 26	21 56 44	27°10'05	24°28	2° 7	16°29	16°42	5°22	6°23	14°R29	23°11	25°10	7°47	6°57	13°44	n.a.	F 26
S 27	22 0 40	28° 9'07	7♌57	3°51	17°43	17° 6	5°22	6°30	14°29	23°11	25° 9	7°38	6°53	13°50	n.a.	S 27
S 28	22 4 37	29° 8'11	21°15	5°33	18°58	17°30	5°23	6°37	14°29	23°12	25° 8	7°26	6°50	13°57	n.a.	S 28
M29	22 8 33	0♍ 7'17	4♍18	7°15	20°13	17°53	5°R23	6°44	14°29	23°12	25° 7	7°13	6°47	14° 4	n.a.	M29
T 30	22 12 30	1° 6'26	17° 6	8°56	21°28	18°16	5°23	6°51	14°29	23°12	25° 5	7° 0	6°44	14°10	n.a.	T 30
W31	22 16 26	2♍ 5'36	29♍39	10♍36	22♌43	18♉38	5♉23	6♌58	14♉28	23♉12	25♒ 4	6♐47	6♐41	14♏17	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	19n47	8n24	4s57	23n23	0n41	23n29	0n39	11n43	1s39	11n56	1s11	20n50	1n11	16n 3	0s16	17n12	1s36	28s21	16s18	22s11	21s58	17s33			n.a.
T 2	19 34	3 38	5 6	23 21	0 52	23 22	0 41	11 55	1 38	11 58	1 11	20 48	1 12	16 3	0 16	17 12	1 36	28 22	16 18	22 10	21 57	17 34			n.a.
W 3	19 20	1s11	4 59	23 16	1 2	23 14	0 43	12 6	1 38	11 59	1 11	20 46	1 12	16 4	0 16	17 12	1 36	28 22	16 18	22 9	21 57	17 36			n.a.
T 4	19 5	5 50	4 38	23 9	1 10	23 6	0 45	12 17	1 37	12 1	1 11	20 44	1 12	16 4	0 16	17 12	1 36	28 23	16 18	22 8	21 56	17 37			n.a.
F 5	18 51	10 10	4 5	22 59	1 18	22 57	0 47	12 28	1 36	12 2	1 11	20 43	1 12	16 4	0 16	17 13	1 36	28 23	16 19	22 7	21 56	17 38			n.a.
S 6	18 36	14 3	3 22	22 46	1 25	22 47	0 49	12 39	1 36	12 4	1 11	20 41	1 12	16 5	0 16	17 13	1 36	28 24	16 19	22 6	21 55	17 40			n.a.
S 7	18 21	17 20	2 30	22 31	1 31	22 37	0 51	12 50	1 35	12 5	1 11	20 39	1 12	16 5	0 16	17 13	1 36	28 24	16 19	22 6	21 55	17 41			n.a.
M 8	18 5	19 54	1 32	22 13	1 36	22 26	0 53	13 0	1 35	12 6	1 12	20 38	1 12	16 5	0 16	17 13	1 36	28 25	16 19	22 6	21 54	17 42			n.a.
T 9	17 49	21 38	0 30	21 53	1 40	22 15	0 55	13 10	1 34	12 7	1 12	20 36	1 12	16 5	0 16	17 13	1 36	28 26	16 19	22 7	21 54	17 44			n.a.
W10	17 33	22 23	0n34	21 30	1 43	22 2	0 57	13 21	1 33	12 9	1 12	20 34	1 12	16 6	0 16	17 13	1 36	28 26	16 19	22 7	21 53	17 45			n.a.
T 11	17 16	22 5	1 38	21 5	1 46	21 49	0 59	13 31	1 33	12 10	1 12	20 32	1 12	16 6	0 16	17 14	1 36	28 27	16 19	22 6	21 53	17 46			n.a.
F 12	17 0	20 41	2 39	20 38	1 48	21 36	1 1	13 41	1 32	12 11	1 12	20 31	1 12	16 6	0 16	17 14	1 36	28 27	16 19	22 6	21 52	17 48			n.a.
S 13	16 42	18 11	3 33	20 9	1 49	21 21	1 2	13 51	1 31	12 12	1 12	20 29	1 12	16 6	0 16	17 14	1 36	28 28	16 20	22 5	21 52	17 49			n.a.
S 14	16 25	14 42	4 17	19 39	1 49	21 6	1 4	14 0	1 30	12 13	1 12	20 27	1 13	16 7	0 16	17 14	1 36	28 28	16 20	22 3	21 51	17 50			n.a.
M15	16 7	10 23	4 47	19 6	1 49	20 51	1 6	14 10	1 30	12 14	1 13	20 25	1 13	16 7	0 16	17 14	1 36	28 29	16 20	22 2	21 51	17 52			n.a.
T 16	15 50	5 27	5 1	18 33	1 48	20 35	1 7	14 19	1 29	12 14	1 13	20 24	1 13	16 7	0 16	17 14	1 37	28 29	16 20	22 0	21 50	17 53			n.a.
W17	15 31	0 10	4 58	17 58	1 46	20 18	1 9	14 29	1 28	12 15	1 13	20 22	1 13	16 7	0 17	17 14	1 37	28 30	16 20	21 58	21 50	17 54			n.a.
T 18	15 13	5n10	4 36	17 21	1 44	20 1	1 10	14 38	1 27	12 16	1 13	20 20	1 13	16 7	0 17	17 14	1 37	28 30	16 20	21 57	21 49	17 56			n.a.
F 19	14 54	10 15	3 57	16 44	1 42	19 43	1 11	14 47	1 26	12 16	1 13	20 18	1 13	16 7	0 17	17 14	1 37	28 31	16 20	21 56	21 48	17 57			n.a.
S 20	14 35	14 47	3 3	16 5	1 39	19 24	1 13	14 56	1 26	12 17	1 13	20 17	1 13	16 7	0 17	17 14	1 37	28 31	16 20	21 55	21 48	17 58			n.a.
S 21	14 16	18 26	1 58	15 26	1 35	19 5	1 14	15 4	1 25	12 17	1 13	20 15	1 13	16 7	0 17	17 14	1 37	28 32	16 20	21 55	21 47	17 59			n.a.
M22	13 57	20 59	0 47	14 46	1 31	18 45	1 15	15 13	1 24	12 18	1 14	20 13	1 13	16 7	0 17	17 14	1 37	28 32	16 20	21 55	21 47	18 1			n.a.
T 23	13 37	22 13	0s27	14 5	1 27	18 25	1 16	15 21	1 23	12 18	1 14	20 12	1 13	16 7	0 17	17 14	1 37	28 32	16 20	21 55	21 46	18 2			n.a.
W24	13 17	22 3	1 39	13 24	1 23	18 4	1 17	15 29	1 22	12 18	1 14	20 10	1 14	16 7	0 17	17 15	1 37	28 33	16 20	21 55	21 46	18 3			n.a.
T 25	12 57	20 34	2 45	12 42	1 18	17 43	1 18	15 38	1 21	12 18	1 14	20 8	1 14	16 7	0 17	17 15	1 37	28 33	16 20	21 54	21 45	18 5			n.a.
F 26	12 37	17 54	3 40	11 59	1 13	17 21	1 19	15 46	1 20	12 19	1 14	20 6	1 14	16 7	0 17	17 15	1 37	28 34	16 20	21 53	21 45	18 6			n.a.
S 27	12 16	14 18	4 22	11 16	1 7	16 59	1 20	15 53	1 19	12 19	1 14	20 5	1 14	16 7	0 17	17 15	1 37	28 34	16 20	21 52	21 44	18 7			n.a.
S 28	11 55	10 3	4 49	10 33	1 2	16 36	1 21	16 1	1 18	12 19	1 14	20 3	1 14	16 7	0 17	17 15	1 37	28 35	16 20	21 50	21 44	18 8			n.a.
M29	11 34	5 24	5 0	9 49	0 56	16 13	1 22	16 9	1 17	12 19	1 15	20 1	1 14	16 7	0 17	17 15	1 37	28 35	16 20	21 48	21 43	18 10			n.a.
T 30	11 13	0 37	4 56	9 6	0 50	15 49	1 22	16 16	1 16	12 19	1 15	19 59	1 14	16 7	0 17	17 14	1 37	28 36	16 20	21 45	21 43	18 11			n.a.
W31	10n52	4s 5	4s37	8n22	0n44	15n25	1n23	16n23	1s15	12n18	1s15	19n58	1n14	16n 7	0s17	17n14	1s37	28s36	16s20	21s43	21s42	18s12			n.a.

Julian Day Number = 1572248.5, Delta T = 04h16m54s
Ecliptic obliquity = 23°44'37, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'45, Lahiri = - 9°35'44 Julian Calendar 1 Aug. 409 BCE == Greg. Calendar 27 July 409 BCE

The year -408 astronomical counting style corresponds to year 409 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

SEPTEMBER 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 20 23	3♍ 4'49	11♎57	12♍15	23♌58	19♉ 0	5°R22	7♌ 5	14°R28	23°R12	25°R 3	6°R37	6♐38	14♏24	n.a.	T 1
F 2	22 24 19	4° 4'03	24° 1	13°54	25°13	19°21	5♉21	7°12	14♉28	23♉12	25♒ 2	6♐29	6°34	14°30	n.a.	F 2
S 3	22 28 16	5° 3'20	5♏56	15°31	26°28	19°42	5°21	7°19	14°27	23°12	25° 1	6°24	6°31	14°37	n.a.	S 3
S 4	22 32 13	6° 2'38	17°45	17° 8	27°43	20° 2	5°20	7°26	14°27	23°12	24°59	6°22	6°28	14°44	n.a.	S 4
M 5	22 36 9	7° 1'58	29°32	18°44	28°58	20°22	5°18	7°33	14°26	23°12	24°58	6°21	6°25	14°50	n.a.	M 5
T 6	22 40 6	8° 1'21	11♐25	20°19	0♍13	20°42	5°17	7°40	14°26	23°11	24°57	6°21	6°22	14°57	n.a.	T 6
W 7	22 44 2	9° 0'45	23°27	21°53	1°28	21° 1	5°15	7°47	14°25	23°11	24°56	6°20	6°18	15° 4	n.a.	W 7
T 8	22 47 59	10° 0'11	5♑44	23°27	2°44	21°19	5°14	7°54	14°24	23°11	24°55	6°19	6°15	15°10	n.a.	T 8
F 9	22 51 55	10°59'39	18°22	25° 0	3°59	21°37	5°12	8° 1	14°24	23°11	24°54	6°14	6°12	15°17	n.a.	F 9
S 10	22 55 52	11°59'09	1♒24	26°32	5°14	21°54	5° 9	8° 7	14°23	23°10	24°52	6° 7	6° 9	15°24	n.a.	S 10
S 11	22 59 48	12°58'40	14°51	28° 3	6°29	22°11	5° 7	8°14	14°22	23°10	24°51	5°58	6° 6	15°30	n.a.	S 11
M12	23 3 45	13°58'14	28°42	29°34	7°44	22°27	5° 4	8°20	14°21	23°10	24°50	5°47	6° 3	15°37	n.a.	M12
T 13	23 7 42	14°57'50	12♓56	1♎ 4	8°59	22°42	5° 2	8°27	14°20	23° 9	24°49	5°35	5°59	15°44	n.a.	T 13
W14	23 11 38	15°57'28	27°26	2°33	10°15	22°57	4°59	8°34	14°19	23° 9	24°48	5°23	5°56	15°50	n.a.	W14
T 15	23 15 35	16°57'08	12♈ 5	4° 2	11°30	23°12	4°55	8°40	14°18	23° 9	24°47	5°13	5°53	15°57	n.a.	T 15
F 16	23 19 31	17°56'50	26°46	5°30	12°45	23°25	4°52	8°46	14°17	23° 8	24°46	5° 6	5°50	16° 4	n.a.	F 16
S 17	23 23 28	18°56'34	11♉22	6°57	14° 0	23°38	4°48	8°53	14°16	23° 8	24°45	5° 2	5°47	16°10	n.a.	S 17
S 18	23 27 24	19°56'22	25°47	8°23	15°16	23°51	4°45	8°59	14°15	23° 7	24°43	5° 0	5°43	16°17	n.a.	S 18
M19	23 31 21	20°56'11	9♊59	9°49	16°31	24° 3	4°41	9° 5	14°14	23° 6	24°42	5°D 0	5°40	16°24	n.a.	M19
T 20	23 35 17	21°56'03	23°58	11°14	17°46	24°14	4°37	9°12	14°13	23° 6	24°41	5°R 0	5°37	16°30	n.a.	T 20
W21	23 39 14	22°55'57	7♋42	12°38	19° 2	24°24	4°32	9°18	14°11	23° 5	24°40	4°59	5°34	16°37	n.a.	W21
T 22	23 43 10	23°55'54	21°13	14° 1	20°17	24°34	4°28	9°24	14°10	23° 4	24°39	4°56	5°31	16°44	n.a.	T 22
F 23	23 47 7	24°55'52	4♌31	15°23	21°33	24°43	4°23	9°30	14° 9	23° 4	24°38	4°51	5°28	16°50	n.a.	F 23
S 24	23 51 4	25°55'53	17°38	16°45	22°48	24°51	4°18	9°36	14° 7	23° 3	24°37	4°42	5°24	16°57	n.a.	S 24
S 25	23 55 0	26°55'57	0♍32	18° 5	24° 3	24°58	4°13	9°42	14° 6	23° 2	24°36	4°32	5°21	17° 3	n.a.	S 25
M26	23 58 57	27°56'02	13°16	19°24	25°19	25° 5	4° 8	9°48	14° 4	23° 1	24°35	4°20	5°18	17°10	n.a.	M26
T 27	0 2 53	28°56'09	25°47	20°42	26°34	25°11	4° 3	9°53	14° 3	23° 1	24°34	4° 7	5°15	17°17	n.a.	T 27
W28	0 6 50	29°56'18	8♎ 7	21°59	27°50	25°16	3°57	9°59	14° 1	23° 0	24°33	3°56	5°12	17°23	n.a.	W28
T 29	0 10 46	0♎56'30	20°15	23°14	29° 5	25°21	3°51	10° 5	14° 0	22°59	24°32	3°46	5° 9	17°30	n.a.	T 29
F 30	0 14 43	1♎56'43	2♏14	24♎27	0♎21	25♉24	3♉46	10♌10	13♉58	22♉58	24♒31	3♐38	5♐ 5	17♏37	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n30	8s33	4s 6	7n38	0n38	15n 1	1n24	16n30	1s14	12n18	1s15	19n56	1n15	16n 7	0s17	17n14	1s37	28s36	16s20	21s41	21s41	18s13		n.a.
F 2	10 8	12 35	3 24	6 54	0 31	14 36	1 24	16 37	1 13	12 18	1 15	19 54	1 15	16 7	0 17	17 14	1 37	28 37	16 20	21 40	21 41	18 15		n.a.
S 3	9 47	16 5	2 34	6 10	0 25	14 10	1 24	16 44	1 12	12 17	1 15	19 53	1 15	16 7	0 17	17 14	1 37	28 37	16 20	21 39	21 40	18 16		n.a.
S 4	9 25	18 53	1 37	5 25	0 18	13 45	1 25	16 51	1 11	12 17	1 15	19 51	1 15	16 7	0 17	17 14	1 37	28 37	16 20	21 39	21 40	18 17		n.a.
M 5	9 2	20 54	0 36	4 41	0 11	13 18	1 25	16 57	1 9	12 16	1 16	19 49	1 15	16 7	0 17	17 14	1 37	28 38	16 20	21 39	21 39	18 18		n.a.
T 6	8 40	22 0	0n27	3 57	0 5	12 52	1 25	17 3	1 8	12 16	1 16	19 48	1 15	16 6	0 17	17 14	1 38	28 38	16 20	21 39	21 39	18 19		n.a.
W 7	8 18	22 6	1 29	3 13	0s 2	12 25	1 26	17 10	1 7	12 15	1 16	19 46	1 15	16 6	0 17	17 14	1 38	28 39	16 20	21 39	21 38	18 21		n.a.
T 8	7 55	21 8	2 29	2 30	0 9	11 58	1 26	17 16	1 6	12 14	1 16	19 44	1 15	16 6	0 17	17 14	1 38	28 39	16 20	21 38	21 38	18 22		n.a.
F 9	7 32	19 7	3 23	1 46	0 16	11 30	1 26	17 22	1 4	12 14	1 16	19 43	1 16	16 6	0 17	17 14	1 38	28 39	16 20	21 37	21 37	18 23		n.a.
S 10	7 9	16 4	4 8	1 3	0 23	11 2	1 26	17 27	1 3	12 13	1 16	19 41	1 16	16 6	0 17	17 14	1 38	28 40	16 19	21 36	21 37	18 24		n.a.
S 11	6 46	12 7	4 41	0 19	0 30	10 34	1 25	17 33	1 2	12 12	1 16	19 40	1 16	16 5	0 17	17 14	1 38	28 40	16 19	21 35	21 36	18 25		n.a.
M12	6 23	7 24	4 59	0s24	0 37	10 5	1 25	17 39	1 0	12 11	1 16	19 38	1 16	16 5	0 17	17 13	1 38	28 40	16 19	21 33	21 35	18 27		n.a.
T 13	6 0	2 12	4 58	1 6	0 44	9 37	1 25	17 44	0 59	12 10	1 16	19 36	1 16	16 5	0 17	17 13	1 38	28 41	16 19	21 30	21 35	18 28		n.a.
W14	5 36	3n14	4 39	1 49	0 51	9 8	1 25	17 49	0 58	12 9	1 17	19 35	1 16	16 5	0 17	17 13	1 38	28 41	16 19	21 28	21 34	18 29		n.a.
T 15	5 13	8 32	4 2	2 31	0 58	8 38	1 24	17 54	0 56	12 7	1 17	19 33	1 16	16 4	0 17	17 13	1 38	28 41	16 19	21 27	21 34	18 30		n.a.
F 16	4 49	13 21	3 8	3 12	1 5	8 9	1 24	17 59	0 55	12 6	1 17	19 32	1 17	16 4	0 17	17 13	1 38	28 41	16 19	21 25	21 33	18 31		n.a.
S 17	4 26	17 21	2 2	3 53	1 12	7 39	1 24	18 4	0 53	12 5	1 17	19 30	1 17	16 4	0 17	17 13	1 38	28 42	16 19	21 25	21 33	18 32		n.a.
S 18	4 2	20 14	0 49	4 34	1 19	7 9	1 23	18 8	0 52	12 4	1 17	19 28	1 17	16 3	0 17	17 12	1 38	28 42	16 18	21 24	21 32	18 34		n.a.
M19	3 38	21 48	0s26	5 14	1 25	6 39	1 22	18 13	0 50	12 2	1 17	19 27	1 17	16 3	0 17	17 12	1 38	28 42	16 18	21 24	21 31	18 35		n.a.
T 20	3 14	21 57	1 39	5 54	1 32	6 9	1 22	18 17	0 49	12 1	1 17	19 25	1 17	16 2	0 17	17 12	1 38	28 42	16 18	21 24	21 31	18 36		n.a.
W21	2 50	20 47	2 44	6 33	1 38	5 38	1 21	18 21	0 47	11 59	1 17	19 24	1 17	16 2	0 17	17 12	1 38	28 43	16 18	21 24	21 30	18 37		n.a.
T 22	2 26	18 26	3 39	7 12	1 45	5 7	1 20	18 25	0 45	11 57	1 17	19 22	1 18	16 2	0 17	17 12	1 38	28 43	16 18	21 24	21 30	18 38		n.a.
F 23	2 2	15 8	4 22	7 50	1 51	4 36	1 19	18 29	0 44	11 56	1 17	19 21	1 18	16 1	0 17	17 11	1 38	28 43	16 18	21 22	21 29	18 39		n.a.
S 24	1 38	11 9	4 49	8 27	1 57	4 5	1 18	18 33	0 42	11 54	1 17	19 19	1 18	16 1	0 17	17 11	1 38	28 43	16 17	21 21	21 29	18 40		n.a.
S 25	1 14	6 43	5 2	9 4	2 3	3 34	1 17	18 36	0 40	11 52	1 18	19 18	1 18	16 0	0 17	17 11	1 38	28 43	16 17	21 19	21 28	18 42		n.a.
M26	0 50	2 4	4 59	9 40	2 8	3 3	1 16	18 40	0 38	11 51	1 18	19 17	1 18	16 0	0 17	17 11	1 38	28 44	16 17	21 17	21 27	18 43		n.a.
T 27	0 26	2s36	4 42	10 14	2 14	2 32	1 15	18 43	0 36	11 49	1 18	19 15	1 18	15 59	0 17	17 10	1 38	28 44	16 17	21 14	21 27	18 44		n.a.
W28	0 1	7 6	4 11	10 48	2 19	2 0	1 14	18 46	0 35	11 47	1 18	19 14	1 19	15 59	0 17	17 10	1 38	28 44	16 17	21 12	21 26	18 45		n.a.
T 29	0s23	11 14	3 30	11 21	2 23	1 29	1 13	18 49	0 33	11 45	1 18	19 12	1 19	15 59	0 17	17 10	1 39	28 44	16 17	21 10	21 26	18 46		n.a.
F 30	0s47	14s53	2s39	11s53	2s28	0n57	1n12	18n52	0s31	11n43	1s18	19n11	1n19	15n58	0s17	17n10	1s39	28s44	16s16	21s 9	21s25	18s47		n.a.

Julian Day Number = 1572279.5, Delta T = 04h16m53s
Ecliptic obliquity = 23°44'38, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'40, Lahiri = - 9°35'40 Julian Calendar 1 Sept. 409 BCE == Greg. Calendar 27 Aug. 409 BCE

The year -408 astronomical counting style corresponds to year 409 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

OCTOBER 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 18 39	2♎56'57	14♏ 5	25♎39	1♎36	25♉27	3°R40	10♌16	13°R56	22°R57	24°R31	3°R34	5♐ 2	17♏43	n.a.	S 1
S 2	0 22 36	3°57'14	25°51	26°49	2°51	25°29	3♉33	10°21	13♉54	22♉56	24♒30	3♐32	4°59	17°50	n.a.	S 2
M 3	0 26 33	4°57'32	7♐38	27°57	4° 7	25°30	3°27	10°27	13°53	22°55	24°29	3°D31	4°56	17°57	n.a.	M 3
T 4	0 30 29	5°57'52	19°28	29° 3	5°22	25°R30	3°21	10°32	13°51	22°54	24°28	3°32	4°53	18° 3	n.a.	T 4
W 5	0 34 26	6°58'14	1♑28	0♏ 6	6°38	25°30	3°14	10°37	13°49	22°53	24°27	3°R33	4°49	18°10	n.a.	W 5
T 6	0 38 22	7°58'37	13°42	1° 6	7°53	25°28	3° 8	10°43	13°47	22°52	24°26	3°33	4°46	18°17	n.a.	T 6
F 7	0 42 19	8°59'02	26°17	2° 2	9° 9	25°26	3° 1	10°48	13°45	22°51	24°25	3°31	4°43	18°23	n.a.	F 7
S 8	0 46 15	9°59'28	9♒16	2°55	10°24	25°23	2°54	10°53	13°43	22°50	24°25	3°27	4°40	18°30	n.a.	S 8
S 9	0 50 12	10°59'55	22°43	3°44	11°40	25°19	2°47	10°58	13°41	22°48	24°24	3°22	4°37	18°37	n.a.	S 9
M10	0 54 8	12° 0'24	6♓38	4°28	12°55	25°14	2°40	11° 3	13°39	22°47	24°23	3°14	4°34	18°43	n.a.	M10
T 11	0 58 5	13° 0'55	21° 1	5° 7	14°11	25° 8	2°32	11° 7	13°37	22°46	24°22	3° 6	4°30	18°50	n.a.	T 11
W12	1 2 1	14° 1'27	5♈45	5°40	15°26	25° 2	2°25	11°12	13°35	22°45	24°22	2°58	4°27	18°57	n.a.	W12
T 13	1 5 58	15° 2'01	20°44	6° 6	16°42	24°54	2°17	11°17	13°33	22°44	24°21	2°51	4°24	19° 3	n.a.	T 13
F 14	1 9 55	16° 2'36	5♉48	6°25	17°57	24°46	2°10	11°21	13°31	22°42	24°20	2°46	4°21	19°10	n.a.	F 14
S 15	1 13 51	17° 3'13	20°48	6°36	19°13	24°37	2° 2	11°26	13°28	22°41	24°20	2°43	4°18	19°16	n.a.	S 15
S 16	1 17 48	18° 3'52	5♊36	6°R39	20°28	24°27	1°55	11°30	13°26	22°40	24°19	2°D43	4°14	19°23	n.a.	S 16
M17	1 21 44	19° 4'33	20° 6	6°32	21°44	24°16	1°47	11°35	13°24	22°38	24°18	2°44	4°11	19°30	n.a.	M17
T 18	1 25 41	20° 5'15	4♋15	6°15	22°59	24° 4	1°39	11°39	13°22	22°37	24°18	2°45	4° 8	19°36	n.a.	T 18
W19	1 29 37	21° 6'00	18° 3	5°48	24°15	23°52	1°31	11°43	13°19	22°36	24°17	2°R46	4° 5	19°43	n.a.	W19
T 20	1 33 34	22° 6'46	1♌31	5°10	25°30	23°38	1°23	11°47	13°17	22°34	24°17	2°46	4° 2	19°50	n.a.	T 20
F 21	1 37 30	23° 7'34	14°40	4°21	26°46	23°24	1°15	11°51	13°15	22°33	24°16	2°43	3°59	19°56	n.a.	F 21
S 22	1 41 27	24° 8'23	27°32	3°23	28° 1	23° 9	1° 7	11°55	13°12	22°31	24°16	2°39	3°55	20° 3	n.a.	S 22
S 23	1 45 24	25° 9'14	10♍10	2°16	29°17	22°53	0°59	11°59	13°10	22°30	24°15	2°34	3°52	20°10	n.a.	S 23
M24	1 49 20	26°10'07	22°36	1° 2	0♏32	22°37	0°51	12° 2	13° 8	22°28	24°15	2°27	3°49	20°16	n.a.	M24
T 25	1 53 17	27°11'01	4♎51	29♎42	1°48	22°19	0°43	12° 6	13° 5	22°27	24°14	2°20	3°46	20°23	n.a.	T 25
W26	1 57 13	28°11'56	16°57	28°20	3° 3	22° 1	0°34	12° 9	13° 3	22°25	24°14	2°14	3°43	20°30	n.a.	W26
T 27	2 1 10	29°12'53	28°55	26°59	4°19	21°43	0°26	12°13	13° 0	22°24	24°13	2° 8	3°40	20°36	n.a.	T 27
F 28	2 5 6	0♏13'51	10♏47	25°40	5°34	21°23	0°18	12°16	12°58	22°22	24°13	2° 5	3°36	20°43	n.a.	F 28
S 29	2 9 3	1°14'50	22°35	24°26	6°50	21° 4	0°10	12°19	12°55	22°21	24°12	2° 3	3°33	20°50	n.a.	S 29
S 30	2 12 59	2°15'50	4♐22	23°20	8° 5	20°43	0° 2	12°22	12°53	22°19	24°12	2°D 2	3°30	20°56	n.a.	S 30
M31	2 16 56	3♏16'51	16♐ 9	22♎24	9♏21	20♉22	29♈53	12♌25	12♉51	22♉18	24♒12	2♐ 3	3♐27	21♏ 3	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s11	17s53	1s42	12s24	2s32	0n26	1n10	18n54	0s29	11n41	1s18	19n10	1n19	15n57	0s17	17n 9	1s39	28s44	16s16	21s 8	21s25	18s48		n.a.
S 2	1 35	20 8	0 41	12 53	2 36	0s 6	1 9	18 57	0 27	11 38	1 18	19 8	1 19	15 57	0 17	17 9	1 39	28 44	16 16	21 8	21 24	18 49		n.a.
M 3	2 0	21 30	0n22	13 21	2 39	0 38	1 8	18 59	0 25	11 36	1 18	19 7	1 20	15 56	0 17	17 9	1 39	28 45	16 16	21 8	21 23	18 50		n.a.
T 4	2 24	21 55	1 25	13 48	2 42	1 9	1 6	19 1	0 23	11 34	1 18	19 6	1 20	15 56	0 17	17 9	1 39	28 45	16 15	21 8	21 23	18 52		n.a.
W 5	2 48	21 20	2 24	14 13	2 45	1 41	1 5	19 3	0 20	11 32	1 18	19 4	1 20	15 55	0 17	17 8	1 39	28 45	16 15	21 8	21 22	18 53		n.a.
T 6	3 12	19 44	3 19	14 36	2 47	2 12	1 3	19 5	0 18	11 29	1 18	19 3	1 20	15 55	0 17	17 8	1 39	28 45	16 15	21 8	21 22	18 54		n.a.
F 7	3 36	17 9	4 5	14 57	2 48	2 44	1 1	19 6	0 16	11 27	1 18	19 2	1 20	15 54	0 17	17 8	1 39	28 45	16 15	21 8	21 21	18 55		n.a.
S 8	4 0	13 39	4 41	15 16	2 48	3 15	1 0	19 8	0 14	11 25	1 18	19 1	1 20	15 54	0 17	17 7	1 39	28 45	16 14	21 7	21 20	18 56		n.a.
S 9	4 24	9 22	5 2	15 33	2 48	3 47	0 58	19 9	0 12	11 22	1 18	19 0	1 21	15 53	0 17	17 7	1 39	28 45	16 14	21 6	21 20	18 57		n.a.
M10	4 48	4 27	5 7	15 47	2 47	4 18	0 56	19 10	0 9	11 20	1 18	18 58	1 21	15 52	0 17	17 7	1 39	28 45	16 14	21 4	21 19	18 58		n.a.
T 11	5 12	0n52	4 53	15 59	2 45	4 50	0 54	19 11	0 7	11 17	1 18	18 57	1 21	15 52	0 17	17 6	1 39	28 45	16 14	21 3	21 19	18 59		n.a.
W12	5 36	6 16	4 19	16 7	2 42	5 21	0 53	19 11	0 5	11 15	1 18	18 56	1 21	15 51	0 17	17 6	1 39	28 45	16 13	21 1	21 18	19 0		n.a.
T 13	6 0	11 23	3 27	16 12	2 38	5 52	0 51	19 12	0 2	11 12	1 18	18 55	1 21	15 50	0 17	17 6	1 39	28 45	16 13	21 0	21 18	19 1		n.a.
F 14	6 23	15 50	2 20	16 13	2 32	6 23	0 49	19 12	0n 0	11 10	1 18	18 54	1 22	15 50	0 17	17 5	1 39	28 45	16 13	20 59	21 17	19 2		n.a.
S 15	6 47	19 13	1 4	16 11	2 26	6 54	0 47	19 12	0 3	11 7	1 18	18 53	1 22	15 49	0 17	17 5	1 39	28 45	16 13	20 58	21 16	19 3		n.a.
S 16	7 10	21 15	0s16	16 4	2 17	7 24	0 45	19 12	0 5	11 4	1 18	18 52	1 22	15 48	0 17	17 5	1 39	28 45	16 12	20 58	21 16	19 4		n.a.
M17	7 34	21 49	1 33	15 52	2 7	7 55	0 43	19 12	0 8	11 2	1 18	18 51	1 22	15 48	0 17	17 4	1 39	28 45	16 12	20 58	21 15	19 5		n.a.
T 18	7 57	20 58	2 43	15 36	1 56	8 25	0 41	19 12	0 10	10 59	1 18	18 50	1 22	15 47	0 17	17 4	1 39	28 45	16 12	20 59	21 15	19 6		n.a.
W19	8 20	18 51	3 41	15 14	1 43	8 55	0 39	19 11	0 13	10 56	1 18	18 49	1 23	15 46	0 17	17 3	1 39	28 45	16 11	20 59	21 14	19 7		n.a.
T 20	8 43	15 45	4 26	14 47	1 28	9 25	0 36	19 10	0 15	10 54	1 18	18 48	1 23	15 46	0 17	17 3	1 39	28 45	16 11	20 59	21 13	19 8		n.a.
F 21	9 6	11 56	4 56	14 15	1 12	9 55	0 34	19 9	0 18	10 51	1 18	18 47	1 23	15 45	0 17	17 3	1 39	28 45	16 11	20 58	21 13	19 9		n.a.
S 22	9 29	7 38	5 10	13 39	0 54	10 24	0 32	19 8	0 21	10 48	1 17	18 46	1 23	15 44	0 17	17 2	1 39	28 45	16 11	20 57	21 12	19 10		n.a.
S 23	9 51	3 6	5 8	12 57	0 35	10 53	0 30	19 6	0 23	10 45	1 17	18 45	1 24	15 44	0 17	17 2	1 39	28 44	16 10	20 56	21 12	19 11		n.a.
M24	10 14	1s29	4 52	12 12	0 15	11 22	0 28	19 5	0 26	10 43	1 17	18 44	1 24	15 43	0 17	17 1	1 39	28 44	16 10	20 55	21 11	19 12		n.a.
T 25	10 36	5 57	4 23	11 25	0n 6	11 51	0 25	19 3	0 29	10 40	1 17	18 43	1 24	15 42	0 17	17 1	1 39	28 44	16 10	20 54	21 10	19 13		n.a.
W26	10 58	10 9	3 42	10 36	0 27	12 19	0 23	19 1	0 31	10 37	1 17	18 43	1 24	15 41	0 17	17 1	1 39	28 44	16 9	20 52	21 10	19 14		n.a.
T 27	11 20	13 54	2 51	9 48	0 47	12 48	0 21	18 58	0 34	10 34	1 17	18 42	1 24	15 41	0 17	17 0	1 39	28 44	16 9	20 51	21 9	19 15		n.a.
F 28	11 42	17 3	1 54	9 1	1 6	13 15	0 19	18 56	0 37	10 31	1 17	18 41	1 25	15 40	0 17	17 0	1 39	28 44	16 9	20 50	21 8	19 16		n.a.
S 29	12 3	19 29	0 52	8 17	1 24	13 43	0 16	18 53	0 40	10 29	1 17	18 41	1 25	15 39	0 17	16 59	1 39	28 44	16 8	20 50	21 8	19 17		n.a.
S 30	12 25	21 5	0n13	7 38	1 40	14 10	0 14	18 50	0 42	10 26	1 17	18 40	1 25	15 38	0 17	16 59	1 39	28 43	16 8	20 50	21 7	19 18		n.a.
M31	12s46	21s44	1n17	7s 3	1n55	14s36	0n12	18n47	0n45	10n23	1s16	18n39	1n25	15n38	0s17	16n59	1s39	28s43	16s 8	20s50	21s 7	19s19		n.a.

Julian Day Number = 1572309.5, Delta T = 04h16m52s
Ecliptic obliquity = 23°44'38, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'36, Lahiri = - 9°35'36 Julian Calendar 1 Oct. 409 BCE == Greg. Calendar 26 Sept. 409 BCE

The year -408 astronomical counting style corresponds to year 409 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

NOVEMBER 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 20 53	4♏17'53	28♐ 0	21°R38	10♏36	20°R 1	29°R45	12♌28	12°R48	22°R16	24°R12	2♐ 5	3♐24	21♏10	n.a.	T 1
W 2	2 24 49	5°18'56	10♑ 0	21♎ 4	11°52	19♉39	29♈37	12°31	12♉45	22♉14	24♒11	2° 7	3°20	21°16	n.a.	W 2
T 3	2 28 46	6°20'00	22°13	20°41	13° 7	19°17	29°29	12°34	12°43	22°13	24°11	2° 8	3°17	21°23	n.a.	T 3
F 4	2 32 42	7°21'05	4♒44	20°29	14°23	18°54	29°21	12°37	12°40	22°11	24°11	2°R 9	3°14	21°29	n.a.	F 4
S 5	2 36 39	8°22'10	17°36	20°D28	15°38	18°31	29°13	12°39	12°38	22°10	24°11	2° 9	3°11	21°36	n.a.	S 5
S 6	2 40 35	9°23'15	0♓55	20°37	16°54	18° 8	29° 5	12°42	12°35	22° 8	24°10	2° 7	3° 8	21°43	n.a.	S 6
M 7	2 44 32	10°24'21	14°41	20°56	18° 9	17°45	28°57	12°44	12°33	22° 6	24°10	2° 5	3° 5	21°49	n.a.	M 7
T 8	2 48 28	11°25'28	28°56	21°23	19°24	17°21	28°49	12°46	12°30	22° 5	24°10	2° 2	3° 1	21°56	n.a.	T 8
W 9	2 52 25	12°26'35	13♈37	21°57	20°40	16°58	28°42	12°48	12°28	22° 3	24°10	1°59	2°58	22° 3	n.a.	W 9
T 10	2 56 22	13°27'43	28°38	22°39	21°55	16°34	28°34	12°50	12°25	22° 1	24°10	1°57	2°55	22° 9	n.a.	T 10
F 11	3 0 18	14°28'52	13♉51	23°26	23°11	16°10	28°26	12°52	12°23	22° 0	24°10	1°55	2°52	22°16	n.a.	F 11
S 12	3 4 15	15°30'01	29° 6	24°19	24°26	15°47	28°19	12°54	12°20	21°58	24°10	1°D55	2°49	22°23	n.a.	S 12
S 13	3 8 11	16°31'11	14♊12	25°17	25°41	15°23	28°11	12°56	12°18	21°56	24°D10	1°55	2°46	22°29	n.a.	S 13
M14	3 12 8	17°32'22	29° 3	26°18	26°57	15° 0	28° 4	12°57	12°15	21°54	24°10	1°56	2°42	22°36	n.a.	M14
T 15	3 16 4	18°33'33	13♋30	27°23	28°12	14°36	27°57	12°59	12°12	21°53	24°10	1°57	2°39	22°43	n.a.	T 15
W16	3 20 1	19°34'46	27°33	28°32	29°28	14°13	27°50	13° 0	12°10	21°51	24°10	1°58	2°36	22°49	n.a.	W16
T 17	3 23 58	20°35'59	11♌ 9	29°43	0♐43	13°51	27°43	13° 1	12° 7	21°49	24°10	1°58	2°33	22°56	n.a.	T 17
F 18	3 27 54	21°37'13	24°20	0♏56	1°58	13°28	27°36	13° 2	12° 5	21°48	24°10	1°R59	2°30	23° 3	n.a.	F 18
S 19	3 31 51	22°38'27	7♍ 9	2°12	3°14	13° 6	27°29	13° 3	12° 2	21°46	24°10	1°58	2°26	23° 9	n.a.	S 19
S 20	3 35 47	23°39'42	19°39	3°29	4°29	12°45	27°23	13° 4	12° 0	21°44	24°10	1°58	2°23	23°16	n.a.	S 20
M21	3 39 44	24°40'58	1♎55	4°48	5°44	12°24	27°16	13° 5	11°57	21°43	24°11	1°57	2°20	23°22	n.a.	M21
T 22	3 43 40	25°42'14	13°59	6° 9	7° 0	12° 3	27°10	13° 6	11°55	21°41	24°11	1°56	2°17	23°29	n.a.	T 22
W23	3 47 37	26°43'30	25°55	7°30	8°15	11°43	27° 4	13° 6	11°53	21°39	24°11	1°55	2°14	23°36	n.a.	W23
T 24	3 51 33	27°44'47	7♏45	8°53	9°30	11°23	26°57	13° 7	11°50	21°37	24°11	1°54	2°11	23°42	n.a.	T 24
F 25	3 55 30	28°46'04	19°33	10°17	10°46	11° 4	26°52	13° 7	11°48	21°36	24°12	1°54	2° 7	23°49	n.a.	F 25
S 26	3 59 27	29°47'22	1♐20	11°42	12° 1	10°46	26°46	13° 8	11°45	21°34	24°12	1°D54	2° 4	23°56	n.a.	S 26
S 27	4 3 23	0♐48'39	13° 9	13° 7	13°16	10°28	26°40	13° 8	11°43	21°32	24°12	1°54	2° 1	24° 2	n.a.	S 27
M28	4 7 20	1°49'57	25° 1	14°34	14°32	10°11	26°35	13°R 8	11°41	21°31	24°13	1°R54	1°58	24° 9	n.a.	M28
T 29	4 11 16	2°51'14	7♑ 0	16° 0	15°47	9°55	26°30	13° 8	11°38	21°29	24°13	1°54	1°55	24°16	n.a.	T 29
W30	4 15 13	3♐52'31	19♑ 7	17♏28	17♐ 2	9♉39	26♈24	13♌ 8	11♉36	21♉27	24♒13	1♐54	1♐52	24♏22	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	13s 7	21s26	2n18	6s35	2n 7	15s 3	0n 9	18n44	0n48	10n20	1s16	18n39	1n26	15n37	0s17	16n58	1s39	28s43	16s 7	20s50	21s 6	19s20		n.a.
W 2	13 28	20 8	3 14	6 12	2 17	15 29	0 7	18 41	0 50	10 18	1 16	18 38	1 26	15 36	0 17	16 58	1 39	28 43	16 7	20 51	21 5	19 21		n.a.
T 3	13 48	17 54	4 2	5 56	2 25	15 54	0 4	18 37	0 53	10 15	1 16	18 37	1 26	15 35	0 17	16 57	1 39	28 43	16 7	20 51	21 5	19 22		n.a.
F 4	14 8	14 47	4 40	5 46	2 31	16 19	0 2	18 33	0 56	10 12	1 16	18 37	1 26	15 35	0 17	16 57	1 39	28 42	16 6	20 51	21 4	19 23		n.a.
S 5	14 28	10 54	5 6	5 42	2 36	16 44	0s 0	18 29	0 58	10 9	1 16	18 36	1 26	15 34	0 17	16 56	1 39	28 42	16 6	20 51	21 4	19 24		n.a.
S 6	14 48	6 22	5 16	5 43	2 38	17 8	0 3	18 25	1 1	10 7	1 16	18 36	1 27	15 33	0 17	16 56	1 39	28 42	16 6	20 51	21 3	19 25		n.a.
M 7	15 8	1 22	5 8	5 49	2 39	17 32	0 5	18 21	1 4	10 4	1 15	18 35	1 27	15 32	0 17	16 56	1 39	28 42	16 5	20 50	21 2	19 25		n.a.
T 8	15 27	3n52	4 42	5 59	2 39	17 55	0 8	18 17	1 6	10 1	1 15	18 35	1 27	15 31	0 17	16 55	1 39	28 41	16 5	20 50	21 2	19 26		n.a.
W 9	15 46	9 4	3 56	6 13	2 38	18 18	0 10	18 13	1 9	9 59	1 15	18 35	1 27	15 31	0 17	16 55	1 39	28 41	16 5	20 49	21 1	19 27		n.a.
T 10	16 5	13 50	2 54	6 31	2 36	18 41	0 12	18 8	1 11	9 56	1 15	18 34	1 28	15 30	0 17	16 54	1 39	28 41	16 4	20 49	21 0	19 28		n.a.
F 11	16 23	17 46	1 38	6 51	2 33	19 2	0 15	18 4	1 14	9 54	1 15	18 34	1 28	15 29	0 16	16 54	1 39	28 41	16 4	20 49	21 0	19 29		n.a.
S 12	16 41	20 28	0 16	7 15	2 29	19 24	0 17	17 59	1 16	9 51	1 14	18 34	1 28	15 28	0 16	16 53	1 39	28 40	16 4	20 48	20 59	19 30		n.a.
S 13	16 59	21 40	1s 8	7 40	2 24	19 45	0 20	17 54	1 18	9 49	1 14	18 33	1 28	15 28	0 16	16 53	1 39	28 40	16 3	20 48	20 59	19 31		n.a.
M14	17 17	21 19	2 25	8 7	2 19	20 5	0 22	17 50	1 21	9 46	1 14	18 33	1 29	15 27	0 16	16 53	1 39	28 40	16 3	20 49	20 58	19 32		n.a.
T 15	17 34	19 33	3 31	8 36	2 14	20 24	0 24	17 45	1 23	9 44	1 14	18 33	1 29	15 26	0 16	16 52	1 39	28 39	16 3	20 49	20 57	19 33		n.a.
W16	17 51	16 38	4 22	9 6	2 8	20 43	0 27	17 40	1 25	9 41	1 14	18 33	1 29	15 25	0 16	16 52	1 39	28 39	16 2	20 49	20 57	19 33		n.a.
T 17	18 8	12 54	4 57	9 37	2 1	21 2	0 29	17 35	1 27	9 39	1 13	18 33	1 29	15 24	0 16	16 51	1 39	28 39	16 2	20 49	20 56	19 34		n.a.
F 18	18 24	8 38	5 15	10 10	1 55	21 20	0 31	17 30	1 30	9 37	1 13	18 33	1 29	15 24	0 16	16 51	1 39	28 38	16 2	20 49	20 55	19 35		n.a.
S 19	18 40	4 6	5 16	10 42	1 48	21 37	0 34	17 25	1 32	9 35	1 13	18 32	1 30	15 23	0 16	16 50	1 39	28 38	16 1	20 49	20 55	19 36		n.a.
S 20	18 56	0s29	5 3	11 16	1 41	21 54	0 36	17 21	1 34	9 32	1 13	18 32	1 30	15 22	0 16	16 50	1 39	28 37	16 1	20 49	20 54	19 37		n.a.
M21	19 11	4 58	4 35	11 49	1 34	22 10	0 38	17 16	1 36	9 30	1 12	18 32	1 30	15 21	0 16	16 49	1 39	28 37	16 0	20 49	20 54	19 38		n.a.
T 22	19 26	9 12	3 56	12 23	1 26	22 25	0 40	17 11	1 38	9 28	1 12	18 32	1 30	15 21	0 16	16 49	1 39	28 37	16 0	20 49	20 53	19 39		n.a.
W23	19 40	13 2	3 7	12 57	1 19	22 40	0 42	17 7	1 39	9 26	1 12	18 33	1 31	15 20	0 16	16 49	1 39	28 36	16 0	20 48	20 52	19 39		n.a.
T 24	19 54	16 19	2 10	13 31	1 11	22 54	0 45	17 2	1 41	9 24	1 12	18 33	1 31	15 19	0 16	16 48	1 39	28 36	15 59	20 48	20 52	19 40		n.a.
F 25	20 8	18 56	1 8	14 5	1 4	23 7	0 47	16 58	1 43	9 22	1 11	18 33	1 31	15 18	0 16	16 48	1 39	28 35	15 59	20 48	20 51	19 41		n.a.
S 26	20 22	20 44	0 3	14 39	0 56	23 20	0 49	16 54	1 45	9 21	1 11	18 33	1 31	15 18	0 16	16 47	1 39	28 35	15 59	20 48	20 50	19 42		n.a.
S 27	20 35	21 38	1n 2	15 12	0 49	23 31	0 51	16 49	1 46	9 19	1 11	18 33	1 32	15 17	0 16	16 47	1 39	28 35	15 58	20 48	20 50	19 43		n.a.
M28	20 47	21 34	2 5	15 45	0 41	23 43	0 53	16 45	1 48	9 17	1 11	18 33	1 32	15 16	0 16	16 46	1 39	28 34	15 58	20 48	20 49	19 44		n.a.
T 29	21 0	20 30	3 3	16 18	0 34	23 53	0 55	16 42	1 49	9 15	1 10	18 34	1 32	15 16	0 16	16 46	1 39	28 34	15 58	20 48	20 48	19 44		n.a.
W30	21s12	18s30	3n54	16s50	0n26	24s 3	0s57	16n38	1n51	9n14	1s10	18n34	1n32	15n15	0s16	16n46	1s39	28s33	15s57	20s48	20s48	19s45		n.a.

Julian Day Number = 1572340.5, Delta T = 04h16m51s
Ecliptic obliquity = 23°44'37, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'32, Lahiri = - 9°35'32 Julian Calendar 1 Nov. 409 BCE == Greg. Calendar 27 Oct. 409 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 409 BCE
geocentric

DECEMBER 409 BCE (-408) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 19 9	4♐53'48	1♒25	18♏56	18♐17	9°R24	26°R20	13°R 7	11°R34	21°R26	24♒14	1°R53	1♐48	24♏29	n.a.	T 1
F 2	4 23 6	5°55'05	13°58	20°25	19°33	9♉10	26♈15	13♌ 7	11♉31	21♉24	24°14	1♐53	1°45	24°36	n.a.	F 2
S 3	4 27 2	6°56'21	26°48	21°54	20°48	8°57	26°10	13° 6	11°29	21°22	24°15	1°53	1°42	24°42	n.a.	S 3
S 4	4 30 59	7°57'36	9♓59	23°23	22° 3	8°45	26° 6	13° 6	11°27	21°21	24°15	1°D53	1°39	24°49	n.a.	S 4
M 5	4 34 56	8°58'51	23°34	24°54	23°18	8°33	26° 2	13° 5	11°25	21°19	24°16	1°53	1°36	24°56	n.a.	M 5
T 6	4 38 52	10° 0'06	7♈33	26°24	24°33	8°22	25°58	13° 4	11°23	21°18	24°16	1°53	1°32	25° 2	n.a.	T 6
W 7	4 42 49	11° 1'19	21°57	27°55	25°49	8°12	25°54	13° 3	11°20	21°16	24°17	1°54	1°29	25° 9	n.a.	W 7
T 8	4 46 45	12° 2'33	6♉42	29°27	27° 4	8° 3	25°50	13° 2	11°18	21°14	24°17	1°55	1°26	25°15	n.a.	T 8
F 9	4 50 42	13° 3'45	21°43	0♐58	28°19	7°54	25°47	13° 1	11°16	21°13	24°18	1°56	1°23	25°22	n.a.	F 9
S 10	4 54 38	14° 4'58	6♊54	2°31	29°34	7°47	25°44	13° 0	11°14	21°11	24°19	1°R56	1°20	25°29	n.a.	S 10
S 11	4 58 35	15° 6'09	22° 3	4° 4	0♋49	7°40	25°41	12°58	11°12	21°10	24°19	1°55	1°17	25°35	n.a.	S 11
M12	5 2 32	16° 7'20	7♋ 2	5°37	2° 4	7°34	25°38	12°57	11°10	21° 8	24°20	1°54	1°13	25°42	n.a.	M12
T 13	5 6 28	17° 8'31	21°43	7°11	3°19	7°29	25°35	12°55	11° 8	21° 7	24°21	1°52	1°10	25°49	n.a.	T 13
W14	5 10 25	18° 9'41	5♌59	8°45	4°34	7°24	25°33	12°54	11° 6	21° 5	24°21	1°50	1° 7	25°55	n.a.	W14
T 15	5 14 21	19°10'51	19°48	10°20	5°49	7°21	25°30	12°52	11° 5	21° 4	24°22	1°48	1° 4	26° 2	n.a.	T 15
F 16	5 18 18	20°12'01	3♍ 9	11°55	7° 4	7°18	25°28	12°50	11° 3	21° 2	24°23	1°46	1° 1	26° 9	n.a.	F 16
S 17	5 22 14	21°13'10	16° 3	13°31	8°19	7°16	25°26	12°48	11° 1	21° 1	24°24	1°D45	0°57	26°15	n.a.	S 17
S 18	5 26 11	22°14'18	28°35	15° 7	9°34	7°15	25°25	12°46	10°59	20°59	24°25	1°45	0°54	26°22	n.a.	S 18
M19	5 30 7	23°15'26	10♎48	16°44	10°49	7°D15	25°23	12°44	10°58	20°58	24°25	1°46	0°51	26°29	n.a.	M19
T 20	5 34 4	24°16'33	22°48	18°21	12° 4	7°15	25°22	12°42	10°56	20°57	24°26	1°48	0°48	26°35	n.a.	T 20
W21	5 38 1	25°17'40	4♏40	19°59	13°19	7°16	25°21	12°39	10°54	20°55	24°27	1°49	0°45	26°42	n.a.	W21
T 22	5 41 57	26°18'46	16°26	21°38	14°34	7°18	25°20	12°37	10°53	20°54	24°28	1°51	0°42	26°49	n.a.	T 22
F 23	5 45 54	27°19'52	28°13	23°17	15°49	7°20	25°20	12°34	10°51	20°53	24°29	1°R52	0°38	26°55	n.a.	F 23
S 24	5 49 50	28°20'56	10♐ 1	24°57	17° 4	7°24	25°19	12°31	10°50	20°51	24°30	1°52	0°35	27° 2	n.a.	S 24
S 25	5 53 47	29°22'00	21°56	26°37	18°19	7°28	25°D19	12°29	10°48	20°50	24°31	1°50	0°32	27° 8	n.a.	S 25
M26	5 57 43	0♑23'02	3♑57	28°18	19°34	7°32	25°19	12°26	10°47	20°49	24°32	1°47	0°29	27°15	n.a.	M26
T 27	6 1 40	1°24'04	16° 8	29°59	20°49	7°38	25°19	12°23	10°45	20°48	24°33	1°42	0°26	27°22	n.a.	T 27
W28	6 5 36	2°25'04	28°29	1♑42	22° 3	7°44	25°20	12°20	10°44	20°47	24°34	1°37	0°23	27°28	n.a.	W28
T 29	6 9 33	3°26'03	11♒ 2	3°25	23°18	7°51	25°20	12°17	10°43	20°45	24°35	1°31	0°19	27°35	n.a.	T 29
F 30	6 13 30	4°27'01	23°47	5° 9	24°33	7°58	25°21	12°14	10°42	20°44	24°36	1°26	0°16	27°42	n.a.	F 30
S 31	6 17 26	5♑27'57	6♓45	6♑53	25♑48	8♉ 6	25♈22	12♌10	10♉40	20♉43	24♒37	1♐21	0♐13	27♏48	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21 s23	15 s38	4n34	17 s22	0n19	24 s12	0 s59	16n34	1n52	9n12	1 s10	18n34	1n33	15n14	0 s16	16n45	1 s39	28 s33	15 s57	20 s48	20 s47	19 s46		n.a.
F 2	21 34	12 1	5 3	17 53	0 12	24 20	1 1	16 31	1 53	9 11	1 10	18 34	1 33	15 13	0 16	16 45	1 39	28 32	15 57	20 48	20 46	19 47		n.a.
S 3	21 45	7 46	5 17	18 24	0 5	24 28	1 3	16 28	1 54	9 9	1 9	18 35	1 33	15 13	0 16	16 44	1 39	28 32	15 56	20 48	20 46	19 48		n.a.
S 4	21 55	3 4	5 15	18 54	0 s 3	24 35	1 5	16 25	1 56	9 8	1 9	18 35	1 33	15 12	0 16	16 44	1 39	28 31	15 56	20 48	20 45	19 48		n.a.
M 5	22 5	1n56	4 56	19 23	0 10	24 41	1 6	16 22	1 57	9 7	1 9	18 36	1 34	15 11	0 16	16 44	1 39	28 31	15 56	20 48	20 45	19 49		n.a.
T 6	22 14	6 59	4 19	19 52	0 16	24 46	1 8	16 20	1 58	9 6	1 8	18 36	1 34	15 11	0 16	16 43	1 39	28 30	15 55	20 48	20 44	19 50		n.a.
W 7	22 23	11 48	3 25	20 19	0 23	24 50	1 10	16 17	1 59	9 4	1 8	18 37	1 34	15 10	0 16	16 43	1 39	28 30	15 55	20 48	20 43	19 51		n.a.
T 8	22 31	16 3	2 16	20 46	0 30	24 54	1 11	16 15	2 0	9 3	1 8	18 37	1 34	15 9	0 16	16 42	1 39	28 29	15 55	20 48	20 43	19 52		n.a.
F 9	22 39	19 20	0 56	21 12	0 36	24 57	1 13	16 13	2 1	9 2	1 8	18 38	1 35	15 9	0 16	16 42	1 39	28 29	15 54	20 49	20 42	19 52		n.a.
S 10	22 47	21 17	0 s28	21 37	0 43	24 59	1 15	16 11	2 1	9 1	1 7	18 38	1 35	15 8	0 16	16 42	1 39	28 28	15 54	20 49	20 41	19 53		n.a.
S 11	22 54	21 41	1 49	22 2	0 49	25 1	1 16	16 10	2 2	9 1	1 7	18 39	1 35	15 8	0 16	16 41	1 39	28 28	15 54	20 48	20 41	19 54		n.a.
M12	23 1	20 31	3 3	22 25	0 55	25 1	1 18	16 9	2 3	9 0	1 7	18 40	1 35	15 7	0 16	16 41	1 39	28 27	15 53	20 48	20 40	19 55		n.a.
T 13	23 7	17 59	4 2	22 47	1 1	25 1	1 19	16 8	2 4	8 59	1 6	18 40	1 35	15 6	0 16	16 41	1 39	28 27	15 53	20 48	20 39	19 55		n.a.
W14	23 13	14 24	4 45	23 8	1 6	25 0	1 20	16 7	2 4	8 59	1 6	18 41	1 36	15 6	0 16	16 40	1 39	28 26	15 53	20 47	20 39	19 56		n.a.
T 15	23 18	10 10	5 10	23 28	1 12	24 58	1 22	16 6	2 5	8 58	1 6	18 42	1 36	15 5	0 16	16 40	1 39	28 25	15 52	20 47	20 38	19 57		n.a.
F 16	23 23	5 34	5 17	23 46	1 17	24 56	1 23	16 6	2 6	8 58	1 5	18 42	1 36	15 5	0 16	16 40	1 39	28 25	15 52	20 47	20 37	19 58		n.a.
S 17	23 27	0 52	5 7	24 4	1 22	24 53	1 24	16 6	2 6	8 57	1 5	18 43	1 36	15 4	0 16	16 39	1 39	28 24	15 52	20 46	20 37	19 58		n.a.
S 18	23 31	3 s44	4 43	24 20	1 27	24 48	1 25	16 6	2 7	8 57	1 5	18 44	1 37	15 4	0 16	16 39	1 39	28 24	15 52	20 46	20 36	19 59		n.a.
M19	23 34	8 6	4 6	24 35	1 31	24 44	1 26	16 6	2 7	8 57	1 4	18 45	1 37	15 3	0 16	16 39	1 39	28 23	15 51	20 47	20 35	20 0		n.a.
T 20	23 37	12 3	3 19	24 49	1 35	24 38	1 27	16 7	2 8	8 56	1 4	18 46	1 37	15 3	0 16	16 38	1 39	28 23	15 51	20 47	20 35	20 0		n.a.
W21	23 39	15 30	2 25	25 1	1 39	24 32	1 28	16 7	2 8	8 56	1 4	18 47	1 37	15 2	0 16	16 38	1 39	28 22	15 51	20 47	20 34	20 1		n.a.
T 22	23 41	18 18	1 24	25 11	1 43	24 25	1 29	16 8	2 8	8 56	1 4	18 48	1 38	15 2	0 16	16 38	1 39	28 21	15 50	20 48	20 33	20 2		n.a.
F 23	23 43	20 20	0 20	25 21	1 47	24 17	1 30	16 10	2 9	8 56	1 3	18 49	1 38	15 1	0 16	16 37	1 38	28 21	15 50	20 48	20 33	20 3		n.a.
S 24	23 44	21 30	0n45	25 28	1 50	24 8	1 31	16 11	2 9	8 56	1 3	18 50	1 38	15 1	0 16	16 37	1 38	28 20	15 50	20 48	20 32	20 3		n.a.
S 25	23 44	21 42	1 48	25 34	1 52	23 59	1 31	16 12	2 9	8 57	1 3	18 51	1 38	15 0	0 16	16 37	1 38	28 20	15 50	20 47	20 31	20 4		n.a.
M26	23 45	20 54	2 47	25 39	1 55	23 49	1 32	16 14	2 9	8 57	1 2	18 52	1 38	15 0	0 16	16 36	1 38	28 19	15 49	20 47	20 31	20 5		n.a.
T 27	23 44	19 7	3 39	25 42	1 57	23 38	1 32	16 16	2 10	8 57	1 2	18 53	1 39	14 59	0 16	16 36	1 38	28 18	15 49	20 46	20 30	20 5		n.a.
W28	23 43	16 27	4 22	25 43	1 59	23 26	1 33	16 18	2 10	8 58	1 2	18 54	1 39	14 59	0 16	16 36	1 38	28 18	15 49	20 45	20 29	20 6		n.a.
T 29	23 42	13 0	4 53	25 42	2 0	23 14	1 33	16 21	2 10	8 58	1 1	18 55	1 39	14 59	0 16	16 36	1 38	28 17	15 48	20 44	20 29	20 7		n.a.
F 30	23 40	8 54	5 9	25 39	2 1	23 1	1 34	16 23	2 10	8 59	1 1	18 56	1 39	14 58	0 16	16 35	1 38	28 17	15 48	20 42	20 28	20 7		n.a.
S 31	23 s38	4 s20	5n11	25 s35	2 s 1	22 s48	1 s34	16n26	2n10	9n 0	1 s 1	18n57	1n39	14n58	0 s16	16n35	1 s38	28 s16	15 s48	20 s42	20 s27	20 s 8		n.a.

Julian Day Number = 1572370.5, Delta T = 04h16m50s
Ecliptic obliquity = 23°44'36, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'28, Lahiri = - 9°35'28 Julian Calendar 1 Dec. 409 BCE == Greg. Calendar 26 Nov. 409 BCE

The year -408 astronomical counting style corresponds to year 409 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

JANUARY 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 21 23	6♉28'52	19♓59	8♉38	27♉ 2	8♉15	25♈23	12°R 7	10°R39	20°R42	24♒38	1°R18	0♐10	27♏55	n.a.	S 1
M 2	6 25 19	7°29'45	3♈29	10°24	28°17	8°24	25°25	12♌ 4	10♉38	20♉41	24°39	1°D17	0° 7	28° 2	n.a.	M 2
T 3	6 29 16	8°30'37	17°17	12°10	29°32	8°34	25°27	12° 0	10°37	20°40	24°40	1♐17	0° 3	28° 8	n.a.	T 3
W 4	6 33 12	9°31'26	1♉23	13°57	0♒46	8°45	25°28	11°57	10°36	20°39	24°41	1°19	0° 0	28°15	n.a.	W 4
T 5	6 37 9	10°32'15	15°46	15°45	2° 1	8°56	25°30	11°53	10°35	20°38	24°42	1°20	29♏57	28°22	n.a.	T 5
F 6	6 41 5	11°33'01	0♊24	17°33	3°16	9° 8	25°33	11°49	10°34	20°37	24°44	1°R21	29°54	28°28	n.a.	F 6
S 7	6 45 2	12°33'46	15°13	19°21	4°30	9°20	25°35	11°45	10°33	20°36	24°45	1°20	29°51	28°35	n.a.	S 7
S 8	6 48 59	13°34'30	0♋ 5	21°10	5°45	9°33	25°38	11°42	10°33	20°35	24°46	1°17	29°48	28°42	n.a.	S 8
M 9	6 52 55	14°35'12	14°55	22°59	6°59	9°46	25°41	11°38	10°32	20°34	24°47	1°12	29°44	28°48	n.a.	M 9
T 10	6 56 52	15°35'52	29°32	24°48	8°14	10° 0	25°44	11°34	10°31	20°33	24°48	1° 6	29°41	28°55	n.a.	T 10
W11	7 0 48	16°36'31	13♌50	26°36	9°28	10°14	25°47	11°30	10°31	20°33	24°50	0°58	29°38	29° 1	n.a.	W11
T 12	7 4 45	17°37'08	27°44	28°25	10°42	10°29	25°50	11°25	10°30	20°32	24°51	0°51	29°35	29° 8	n.a.	T 12
F 13	7 8 41	18°37'44	11♍12	0♒13	11°57	10°44	25°54	11°21	10°29	20°31	24°52	0°44	29°32	29°15	n.a.	F 13
S 14	7 12 38	19°38'18	24°13	2° 0	13°11	11° 0	25°57	11°17	10°29	20°30	24°53	0°39	29°29	29°21	n.a.	S 14
S 15	7 16 34	20°38'51	6♎49	3°47	14°25	11°16	26° 1	11°13	10°29	20°30	24°55	0°35	29°25	29°28	n.a.	S 15
M16	7 20 31	21°39'23	19° 6	5°31	15°40	11°32	26° 6	11° 9	10°28	20°29	24°56	0°D34	29°22	29°35	n.a.	M16
T 17	7 24 28	22°39'53	1♏ 7	7°14	16°54	11°50	26°10	11° 4	10°28	20°28	24°57	0°34	29°19	29°41	n.a.	T 17
W18	7 28 24	23°40'22	12°58	8°55	18° 8	12° 7	26°14	11° 0	10°28	20°28	24°59	0°36	29°16	29°48	n.a.	W18
T 19	7 32 21	24°40'50	24°45	10°33	19°22	12°25	26°19	10°55	10°27	20°27	25° 0	0°R37	29°13	29°55	n.a.	T 19
F 20	7 36 17	25°41'15	6♐32	12° 7	20°36	12°43	26°24	10°51	10°27	20°27	25° 1	0°37	29° 9	0♐ 1	n.a.	F 20
S 21	7 40 14	26°41'40	18°24	13°38	21°50	13° 2	26°29	10°46	10°27	20°26	25° 3	0°35	29° 6	0° 8	n.a.	S 21
S 22	7 44 10	27°42'02	0♉25	15° 4	23° 4	13°21	26°34	10°42	10°27	20°26	25° 4	0°30	29° 3	0°15	n.a.	S 22
M23	7 48 7	28°42'23	12°37	16°24	24°18	13°41	26°39	10°37	10°D27	20°25	25° 5	0°24	29° 0	0°21	n.a.	M23
T 24	7 52 3	29°42'42	25° 2	17°39	25°32	14° 0	26°45	10°33	10°27	20°25	25° 7	0°14	28°57	0°28	n.a.	T 24
W25	7 56 0	0♒43'00	7♒41	18°48	26°46	14°21	26°51	10°28	10°27	20°25	25° 8	0° 4	28°54	0°35	n.a.	W25
T 26	7 59 57	1°43'15	20°34	19°49	28° 0	14°41	26°57	10°23	10°27	20°24	25°10	29♏52	28°50	0°41	n.a.	T 26
F 27	8 3 53	2°43'28	3♓39	20°43	29°14	15° 2	27° 3	10°19	10°27	20°24	25°11	29°41	28°47	0°48	n.a.	F 27
S 28	8 7 50	3°43'39	16°57	21°29	0♓28	15°23	27° 9	10°14	10°28	20°24	25°12	29°32	28°44	0°54	n.a.	S 28
S 29	8 11 46	4°43'48	0♈26	22° 6	1°42	15°45	27°15	10° 9	10°28	20°24	25°14	29°25	28°41	1° 1	n.a.	S 29
M30	8 15 43	5°43'55	14° 5	22°34	2°55	16° 7	27°22	10° 4	10°28	20°23	25°15	29°20	28°38	1° 8	n.a.	M30
T 31	8 19 39	6♒44'00	27♈53	22♒53	4♓ 9	16♉29	27♈28	10♌ 0	10♉29	20♉23	25♒17	29♏18	28♏35	1♐14	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s35	0n31	4n56	25s29	2s 2	22s33	1s34	16n29	2n10	9n 0	1s 1	18n58	1n40	14n58	0s16	16n35	1s38	28s15	15s48	20s41	20s27	20s 9			n.a.
M 2	23 32	5 26	4 24	25 21	2 1	22 18	1 34	16 32	2 10	9 1	1 0	18 59	1 40	14 57	0 16	16 35	1 38	28 15	15 47	20 41	20 26	20 9			n.a.
T 3	23 28	10 12	3 37	25 10	2 0	22 3	1 34	16 36	2 10	9 2	1 0	19 0	1 40	14 57	0 16	16 34	1 38	28 14	15 47	20 41	20 25	20 10			n.a.
W 4	23 24	14 32	2 36	24 58	1 59	21 46	1 34	16 39	2 10	9 3	1 0	19 2	1 40	14 57	0 16	16 34	1 38	28 13	15 47	20 41	20 25	20 11			n.a.
T 5	23 19	18 6	1 24	24 44	1 57	21 29	1 34	16 43	2 10	9 4	0 59	19 3	1 40	14 56	0 16	16 34	1 38	28 13	15 47	20 41	20 24	20 11			n.a.
F 6	23 14	20 35	0 5	24 28	1 54	21 12	1 34	16 47	2 10	9 5	0 59	19 4	1 41	14 56	0 16	16 34	1 38	28 12	15 46	20 41	20 23	20 12			n.a.
S 7	23 8	21 40	1s15	24 10	1 51	20 54	1 34	16 51	2 10	9 6	0 59	19 5	1 41	14 56	0 16	16 33	1 38	28 12	15 46	20 41	20 22	20 12			n.a.
S 8	23 2	21 15	2 30	23 50	1 48	20 35	1 34	16 55	2 10	9 7	0 58	19 7	1 41	14 56	0 16	16 33	1 38	28 11	15 46	20 41	20 22	20 13			n.a.
M 9	22 56	19 21	3 34	23 27	1 43	20 16	1 33	16 59	2 10	9 9	0 58	19 8	1 41	14 55	0 15	16 33	1 38	28 10	15 46	20 40	20 21	20 14			n.a.
T 10	22 49	16 13	4 24	23 3	1 38	19 56	1 33	17 3	2 10	9 10	0 58	19 9	1 41	14 55	0 15	16 33	1 38	28 10	15 46	20 38	20 20	20 14			n.a.
W11	22 42	12 10	4 55	22 37	1 33	19 36	1 32	17 8	2 10	9 12	0 58	19 11	1 41	14 55	0 15	16 33	1 38	28 9	15 45	20 37	20 20	20 15			n.a.
T 12	22 34	7 36	5 8	22 9	1 26	19 15	1 32	17 12	2 10	9 13	0 57	19 12	1 42	14 55	0 15	16 33	1 37	28 8	15 45	20 35	20 19	20 16			n.a.
F 13	22 26	2 47	5 4	21 39	1 19	18 53	1 31	17 17	2 10	9 15	0 57	19 13	1 42	14 55	0 15	16 32	1 37	28 8	15 45	20 34	20 18	20 16			n.a.
S 14	22 17	2s 0	4 43	21 7	1 11	18 31	1 30	17 22	2 10	9 16	0 57	19 14	1 42	14 55	0 15	16 32	1 37	28 7	15 45	20 33	20 18	20 17			n.a.
S 15	22 8	6 33	4 9	20 34	1 3	18 8	1 30	17 27	2 10	9 18	0 56	19 16	1 42	14 54	0 15	16 32	1 37	28 7	15 45	20 32	20 17	20 17			n.a.
M16	21 59	10 43	3 25	20 0	0 54	17 45	1 29	17 32	2 10	9 20	0 56	19 17	1 42	14 54	0 15	16 32	1 37	28 6	15 44	20 32	20 16	20 18			n.a.
T 17	21 49	14 23	2 32	19 24	0 43	17 22	1 28	17 37	2 9	9 22	0 56	19 19	1 42	14 54	0 15	16 32	1 37	28 5	15 44	20 32	20 16	20 18			n.a.
W18	21 38	17 25	1 34	18 47	0 33	16 58	1 27	17 43	2 9	9 24	0 56	19 20	1 43	14 54	0 15	16 32	1 37	28 5	15 44	20 32	20 15	20 19			n.a.
T 19	21 28	19 42	0 32	18 9	0 21	16 33	1 26	17 48	2 9	9 26	0 55	19 21	1 43	14 54	0 15	16 32	1 37	28 4	15 44	20 32	20 14	20 20			n.a.
F 20	21 16	21 9	0n32	17 31	0 9	16 8	1 25	17 54	2 9	9 28	0 55	19 23	1 43	14 54	0 15	16 32	1 37	28 3	15 44	20 32	20 13	20 20			n.a.
S 21	21 5	21 40	1 34	16 53	0n 4	15 43	1 23	17 59	2 9	9 30	0 55	19 24	1 43	14 54	0 15	16 32	1 37	28 3	15 44	20 32	20 13	20 21			n.a.
S 22	20 53	21 12	2 33	16 14	0 18	15 17	1 22	18 5	2 9	9 32	0 54	19 25	1 43	14 54	0 15	16 32	1 37	28 2	15 43	20 31	20 12	20 21			n.a.
M23	20 41	19 44	3 25	15 37	0 32	14 51	1 21	18 11	2 8	9 34	0 54	19 27	1 43	14 54	0 15	16 32	1 37	28 1	15 43	20 29	20 11	20 22			n.a.
T 24	20 28	17 19	4 9	15 0	0 47	14 25	1 19	18 17	2 8	9 36	0 54	19 28	1 43	14 54	0 15	16 31	1 37	28 1	15 43	20 28	20 11	20 22			n.a.
W25	20 15	14 3	4 41	14 24	1 2	13 58	1 18	18 23	2 8	9 39	0 54	19 30	1 43	14 54	0 15	16 31	1 37	28 0	15 43	20 25	20 10	20 23			n.a.
T 26	20 2	10 5	5 0	13 50	1 17	13 31	1 16	18 29	2 8	9 41	0 53	19 31	1 44	14 54	0 15	16 31	1 37	28 0	15 43	20 23	20 9	20 23			n.a.
F 27	19 48	5 35	5 3	13 19	1 32	13 3	1 15	18 35	2 7	9 44	0 53	19 33	1 44	14 54	0 15	16 31	1 37	27 59	15 43	20 20	20 9	20 24			n.a.
S 28	19 34	0 46	4 50	12 49	1 48	12 35	1 13	18 41	2 7	9 46	0 53	19 34	1 44	14 55	0 15	16 31	1 37	27 58	15 43	20 18	20 8	20 25			n.a.
S 29	19 19	4n 9	4 21	12 23	2 3	12 7	1 11	18 47	2 7	9 49	0 52	19 35	1 44	14 55	0 15	16 31	1 36	27 58	15 43	20 17	20 7	20 25			n.a.
M30	19 5	8 56	3 36	11 59	2 18	11 38	1 10	18 53	2 7	9 51	0 52	19 37	1 44	14 55	0 15	16 31	1 36	27 57	15 42	20 16	20 6	20 26			n.a.
T 31	18s50	13n20	2n39	11s40	2n33	11s10	1s 8	19n 0	2n 6	9n54	0s52	19n38	1n44	14n55	0s15	16n31	1s36	27s56	15s42	20s15	20s 6	20s26			n.a.

Julian Day Number = 1572401.5, Delta T = 04h16m49s
Ecliptic obliquity = 23°44'36, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'24, Lahiri = - 9°35'23 Julian Calendar 1 Jan. 408 BCE == Greg. Calendar 27 Dec. 409 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

FEBRUARY 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 23 36	7♒44'02	11♉52	23♒ 3	5♓23	16♉52	27♈35	9°R55	10♉29	20°R23	25♒18	29°D18	28♏31	1♐21	n.a.	W 1
T 2	8 27 32	8°44'02	26° 0	23°R 3	6°36	17°15	27°42	9♌50	10°30	20♉23	25°20	29°R18	28°28	1°28	n.a.	T 2
F 3	8 31 29	9°43'59	10♊16	22°55	7°50	17°38	27°49	9°45	10°30	20°23	25°21	29♏18	28°25	1°34	n.a.	F 3
S 4	8 35 26	10°43'55	24°40	22°37	9° 3	18° 1	27°57	9°41	10°31	20°D23	25°23	29°16	28°22	1°41	n.a.	S 4
S 5	8 39 22	11°43'48	9♋ 6	22°11	10°17	18°25	28° 4	9°36	10°32	20°23	25°24	29°11	28°19	1°48	n.a.	S 5
M 6	8 43 19	12°43'39	23°31	21°38	11°30	18°49	28°12	9°31	10°32	20°23	25°26	29° 3	28°15	1°54	n.a.	M 6
T 7	8 47 15	13°43'28	7♌48	20°58	12°43	19°13	28°19	9°26	10°33	20°23	25°27	28°53	28°12	2° 1	n.a.	T 7
W 8	8 51 12	14°43'14	21°52	20°12	13°57	19°38	28°27	9°22	10°34	20°23	25°29	28°41	28° 9	2° 8	n.a.	W 8
T 9	8 55 8	15°42'59	5♍38	19°21	15°10	20° 3	28°35	9°17	10°35	20°23	25°30	28°29	28° 6	2°14	n.a.	T 9
F 10	8 59 5	16°42'41	19° 1	18°27	16°23	20°27	28°43	9°12	10°36	20°23	25°32	28°18	28° 3	2°21	n.a.	F 10
S 11	9 3 1	17°42'21	2♎ 1	17°31	17°36	20°53	28°52	9° 8	10°37	20°24	25°33	28° 8	28° 0	2°27	n.a.	S 11
S 12	9 6 58	18°42'00	14°39	16°33	18°49	21°18	29° 0	9° 3	10°38	20°24	25°35	28° 2	27°56	2°34	n.a.	S 12
M13	9 10 55	19°41'37	26°58	15°37	20° 2	21°44	29° 9	8°58	10°39	20°24	25°36	27°58	27°53	2°41	n.a.	M13
T 14	9 14 51	20°41'11	9♏ 1	14°41	21°15	22°10	29°17	8°54	10°40	20°25	25°38	27°56	27°50	2°47	n.a.	T 14
W15	9 18 48	21°40'44	20°54	13°49	22°28	22°36	29°26	8°49	10°41	20°25	25°39	27°55	27°47	2°54	n.a.	W15
T 16	9 22 44	22°40'15	2♐42	12°59	23°40	23° 2	29°35	8°44	10°43	20°25	25°41	27°55	27°44	3° 1	n.a.	T 16
F 17	9 26 41	23°39'45	14°31	12°14	24°53	23°29	29°44	8°40	10°44	20°26	25°42	27°55	27°41	3° 7	n.a.	F 17
S 18	9 30 37	24°39'12	26°25	11°34	26° 6	23°56	29°53	8°35	10°45	20°26	25°44	27°52	27°37	3°14	n.a.	S 18
S 19	9 34 34	25°38'38	8♑31	11° 0	27°18	24°23	0♉ 2	8°31	10°47	20°27	25°45	27°47	27°34	3°21	n.a.	S 19
M20	9 38 30	26°38'01	20°51	10°30	28°31	24°50	0°12	8°27	10°48	20°27	25°47	27°39	27°31	3°27	n.a.	M20
T 21	9 42 27	27°37'23	3♒28	10° 7	29°43	25°17	0°21	8°22	10°50	20°28	25°48	27°29	27°28	3°34	n.a.	T 21
W22	9 46 24	28°36'42	16°23	9°50	0♈56	25°45	0°31	8°18	10°51	20°28	25°50	27°16	27°25	3°41	n.a.	W22
T 23	9 50 20	29°35'59	29°37	9°39	2° 8	26°12	0°41	8°14	10°53	20°29	25°51	27° 3	27°21	3°47	n.a.	T 23
F 24	9 54 17	0♓35'14	13♓ 6	9°D33	3°20	26°40	0°50	8° 9	10°54	20°30	25°53	26°51	27°18	3°54	n.a.	F 24
S 25	9 58 13	1°34'27	26°49	9°34	4°33	27° 8	1° 0	8° 5	10°56	20°30	25°54	26°39	27°15	4° 1	n.a.	S 25
S 26	10 2 10	2°33'38	10♈41	9°40	5°45	27°37	1°10	8° 1	10°58	20°31	25°56	26°31	27°12	4° 7	n.a.	S 26
M27	10 6 6	3°32'46	24°41	9°51	6°57	28° 5	1°21	7°57	10°59	20°32	25°57	26°25	27° 9	4°14	n.a.	M27
T 28	10 10 3	4♓31'52	8♉44	10♒ 7	8♈ 9	28♉34	1♉31	7♌53	11♉ 1	20♉33	25♒59	26♏23	27♏ 6	4♐20	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s34	17n 2	1n31	11s23	2n46	10s40	1s 6	19n 6	2n 6	9n57	0s52	19n40	1n44	14n55	0s15	16n31	1s36	27s56	15s42	20s15	20s 5	20s27		n.a.
T 2	18 18	19 47	0 18	11 11	2 59	10 11	1 4	19 12	2 6	9 59	0 51	19 41	1 44	14 55	0 15	16 31	1 36	27 55	15 42	20 15	20 4	20 27		n.a.
F 3	18 2	21 19	0s58	11 3	3 11	9 41	1 2	19 19	2 6	10 2	0 51	19 42	1 44	14 55	0 15	16 32	1 36	27 55	15 42	20 15	20 4	20 28		n.a.
S 4	17 46	21 28	2 10	10 58	3 22	9 12	1 0	19 25	2 5	10 5	0 51	19 44	1 44	14 56	0 15	16 32	1 36	27 54	15 42	20 15	20 3	20 28		n.a.
S 5	17 29	20 11	3 15	10 58	3 31	8 42	0 57	19 32	2 5	10 8	0 51	19 45	1 45	14 56	0 15	16 32	1 36	27 53	15 42	20 14	20 2	20 29		n.a.
M 6	17 12	17 38	4 6	11 2	3 38	8 11	0 55	19 38	2 5	10 11	0 50	19 46	1 45	14 56	0 15	16 32	1 36	27 53	15 42	20 12	20 1	20 29		n.a.
T 7	16 55	14 1	4 42	11 9	3 44	7 41	0 53	19 45	2 4	10 14	0 50	19 48	1 45	14 56	0 15	16 32	1 36	27 52	15 42	20 10	20 1	20 30		n.a.
W 8	16 37	9 41	4 59	11 20	3 48	7 10	0 50	19 51	2 4	10 17	0 50	19 49	1 45	14 57	0 15	16 32	1 36	27 52	15 42	20 7	20 0	20 30		n.a.
T 9	16 20	4 56	4 59	11 35	3 49	6 39	0 48	19 58	2 4	10 20	0 50	19 50	1 45	14 57	0 15	16 32	1 36	27 51	15 42	20 4	19 59	20 30		n.a.
F 10	16 2	0 5	4 42	11 51	3 49	6 8	0 46	20 4	2 4	10 23	0 49	19 52	1 45	14 57	0 15	16 32	1 36	27 50	15 42	20 2	19 59	20 31		n.a.
S 11	15 43	4s39	4 11	12 11	3 47	5 37	0 43	20 11	2 3	10 26	0 49	19 53	1 45	14 58	0 15	16 32	1 36	27 50	15 42	20 0	19 58	20 31		n.a.
S 12	15 25	9 2	3 28	12 32	3 43	5 6	0 40	20 17	2 3	10 30	0 49	19 54	1 45	14 58	0 15	16 32	1 36	27 49	15 42	19 58	19 57	20 32		n.a.
M13	15 6	12 57	2 36	12 55	3 37	4 35	0 38	20 24	2 3	10 33	0 49	19 56	1 45	14 58	0 15	16 32	1 36	27 49	15 42	19 57	19 56	20 32		n.a.
T 14	14 47	16 14	1 39	13 18	3 29	4 3	0 35	20 30	2 2	10 36	0 49	19 57	1 45	14 59	0 15	16 33	1 35	27 48	15 42	19 57	19 56	20 33		n.a.
W15	14 27	18 48	0 37	13 43	3 19	3 31	0 32	20 37	2 2	10 40	0 48	19 58	1 45	14 59	0 15	16 33	1 35	27 48	15 42	19 57	19 55	20 33		n.a.
T 16	14 8	20 33	0n25	14 7	3 9	3 0	0 30	20 44	2 2	10 43	0 48	20 0	1 45	15 0	0 15	16 33	1 35	27 47	15 42	19 57	19 54	20 34		n.a.
F 17	13 48	21 24	1 27	14 31	2 57	2 28	0 27	20 50	2 1	10 46	0 48	20 1	1 45	15 0	0 15	16 33	1 35	27 46	15 42	19 57	19 54	20 34		n.a.
S 18	13 28	21 17	2 25	14 54	2 44	1 56	0 24	20 57	2 1	10 50	0 48	20 2	1 45	15 0	0 15	16 33	1 35	27 46	15 42	19 56	19 53	20 34		n.a.
S 19	13 8	20 11	3 17	15 17	2 31	1 24	0 21	21 3	2 1	10 53	0 47	20 3	1 45	15 1	0 15	16 33	1 35	27 45	15 42	19 55	19 52	20 35		n.a.
M20	12 48	18 8	4 1	15 38	2 17	0 52	0 18	21 10	2 0	10 57	0 47	20 4	1 45	15 1	0 15	16 34	1 35	27 45	15 42	19 53	19 51	20 35		n.a.
T 21	12 27	15 10	4 35	15 58	2 2	0 21	0 15	21 16	2 0	11 1	0 47	20 6	1 45	15 2	0 15	16 34	1 35	27 44	15 42	19 51	19 51	20 36		n.a.
W22	12 6	11 26	4 55	16 17	1 47	0n11	0 12	21 22	2 0	11 4	0 47	20 7	1 45	15 2	0 15	16 34	1 35	27 44	15 42	19 48	19 50	20 36		n.a.
T 23	11 45	7 4	5 0	16 34	1 33	0 43	0 9	21 29	1 59	11 8	0 47	20 8	1 45	15 3	0 14	16 34	1 35	27 43	15 42	19 45	19 49	20 37		n.a.
F 24	11 24	2 17	4 49	16 50	1 18	1 15	0 6	21 35	1 59	11 11	0 46	20 9	1 45	15 3	0 14	16 35	1 35	27 43	15 42	19 42	19 48	20 37		n.a.
S 25	11 3	2n41	4 20	17 4	1 3	1 47	0 3	21 41	1 59	11 15	0 46	20 10	1 45	15 4	0 14	16 35	1 35	27 42	15 42	19 39	19 48	20 37		n.a.
S 26	10 42	7 36	3 36	17 16	0 49	2 19	0n 0	21 48	1 58	11 19	0 46	20 11	1 45	15 5	0 14	16 35	1 35	27 42	15 42	19 37	19 47	20 38		n.a.
M27	10 20	12 8	2 39	17 27	0 35	2 51	0 3	21 54	1 58	11 23	0 46	20 12	1 45	15 5	0 14	16 35	1 35	27 41	15 42	19 36	19 46	20 38		n.a.
T 28	9s58	16n 2	1n32	17s36	0n21	3n22	0n 7	22n 0	1n58	11n26	0s45	20n13	1n45	15n 6	0s14	16n36	1s35	27s41	15s42	19s35	19s45	20s38		n.a.

Julian Day Number = 1572432.5, Delta T = 04h16m47s
Ecliptic obliquity = 23°44'36, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'20, Lahiri = - 9°35'19 Julian Calendar 1 Feb. 408 BCE == Greg. Calendar 27 Jan. 408 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

MARCH 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 13 59	5♓30'56	22♉49	10♒29	9♈21	29♉ 2	1♉41	7°R49	11♉ 3	20♉33	26♒ 0	26°D22	27♏ 2	4♐27	n.a.	W 1
T 2	10 17 56	6°29'57	6♊55	10°55	10°33	29°31	1°52	7♌45	11° 5	20°34	26° 2	26°R22	26°59	4°34	n.a.	T 2
F 3	10 21 52	7°28'55	21° 1	11°25	11°44	0♊ 0	2° 2	7°41	11° 7	20°35	26° 3	26♏21	26°56	4°40	n.a.	F 3
S 4	10 25 49	8°27'52	5♋ 6	12° 0	12°56	0°30	2°13	7°38	11° 9	20°36	26° 5	26°19	26°53	4°47	n.a.	S 4
S 5	10 29 46	9°26'46	19° 9	12°38	14° 8	0°59	2°24	7°34	11°11	20°37	26° 6	26°14	26°50	4°54	n.a.	S 5
M 6	10 33 42	10°25'37	3♌ 7	13°21	15°19	1°29	2°35	7°30	11°13	20°38	26° 8	26° 7	26°46	5° 0	n.a.	M 6
T 7	10 37 39	11°24'26	16°58	14° 7	16°30	1°58	2°46	7°27	11°15	20°39	26° 9	25°57	26°43	5° 7	n.a.	T 7
W 8	10 41 35	12°23'13	0♍37	14°56	17°42	2°28	2°57	7°23	11°17	20°40	26°11	25°45	26°40	5°14	n.a.	W 8
T 9	10 45 32	13°21'58	14° 2	15°49	18°53	2°58	3° 8	7°20	11°20	20°41	26°12	25°34	26°37	5°20	n.a.	T 9
F 10	10 49 28	14°20'40	27°10	16°45	20° 4	3°28	3°19	7°17	11°22	20°42	26°14	25°22	26°34	5°27	n.a.	F 10
S 11	10 53 25	15°19'21	10♎ 0	17°44	21°15	3°58	3°30	7°13	11°24	20°43	26°15	25°13	26°31	5°34	n.a.	S 11
S 12	10 57 21	16°17'59	22°32	18°45	22°26	4°28	3°42	7°10	11°26	20°44	26°17	25° 6	26°27	5°40	n.a.	S 12
M13	11 1 18	17°16'36	4♏48	19°49	23°37	4°59	3°53	7° 7	11°29	20°46	26°18	25° 2	26°24	5°47	n.a.	M13
T 14	11 5 14	18°15'11	16°50	20°56	24°48	5°29	4° 5	7° 4	11°31	20°47	26°20	25° 0	26°21	5°53	n.a.	T 14
W15	11 9 11	19°13'44	28°43	22° 5	25°58	6° 0	4°16	7° 1	11°33	20°48	26°21	25°D 0	26°18	6° 0	n.a.	W15
T 16	11 13 8	20°12'16	10♐32	23°17	27° 9	6°31	4°28	6°58	11°36	20°49	26°22	25° 0	26°15	6° 7	n.a.	T 16
F 17	11 17 4	21°10'45	22°21	24°31	28°20	7° 2	4°40	6°56	11°38	20°51	26°24	25°R 0	26°12	6°13	n.a.	F 17
S 18	11 21 1	22° 9'13	4♑17	25°47	29°30	7°33	4°51	6°53	11°41	20°52	26°25	25° 0	26° 8	6°20	n.a.	S 18
S 19	11 24 57	23° 7'40	16°25	27° 5	0♉40	8° 4	5° 3	6°50	11°44	20°53	26°27	24°57	26° 5	6°27	n.a.	S 19
M20	11 28 54	24° 6'04	28°48	28°25	1°50	8°35	5°15	6°48	11°46	20°55	26°28	24°52	26° 2	6°33	n.a.	M20
T 21	11 32 50	25° 4'27	11♒31	29°48	3° 0	9° 7	5°27	6°45	11°49	20°56	26°29	24°45	25°59	6°40	n.a.	T 21
W22	11 36 47	26° 2'48	24°37	1♓12	4°10	9°38	5°39	6°43	11°51	20°57	26°31	24°36	25°56	6°47	n.a.	W22
T 23	11 40 43	27° 1'07	8♓ 5	2°38	5°20	10°10	5°52	6°41	11°54	20°59	26°32	24°26	25°52	6°53	n.a.	T 23
F 24	11 44 40	27°59'24	21°53	4° 7	6°30	10°41	6° 4	6°39	11°57	21° 0	26°33	24°17	25°49	7° 0	n.a.	F 24
S 25	11 48 37	28°57'40	5♈59	5°37	7°40	11°13	6°16	6°37	12° 0	21° 2	26°35	24° 9	25°46	7° 7	n.a.	S 25
S 26	11 52 33	29°55'54	20°17	7° 9	8°49	11°45	6°29	6°35	12° 2	21° 3	26°36	24° 2	25°43	7°13	n.a.	S 26
M27	11 56 30	0♈54'05	4♉42	8°42	9°59	12°17	6°41	6°33	12° 5	21° 5	26°37	23°59	25°40	7°20	n.a.	M27
T 28	12 0 26	1°52'15	19° 8	10°18	11° 8	12°49	6°53	6°31	12° 8	21° 6	26°39	23°D57	25°37	7°27	n.a.	T 28
W29	12 4 23	2°50'23	3♊32	11°56	12°17	13°21	7° 6	6°30	12°11	21° 8	26°40	23°57	25°33	7°33	n.a.	W29
T 30	12 8 19	3°48'28	17°49	13°35	13°26	13°53	7°19	6°28	12°14	21°10	26°41	23°58	25°30	7°40	n.a.	T 30
F 31	12 12 16	4♈46'32	1♋58	15♓16	14♉35	14♊26	7♉31	6♌27	12♉17	21♉11	26♒42	23°R59	25♏27	7♐46	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	9s36	19n 1	0n19	17s43	0n 8	3n54	0n10	22n 6	1n57	11n30	0s45	20n14	1n45	15n 6	0s14	16n36	1s35	27s40	15s42	19s35	19s45	20s39		n.a.
T 2	9 14	20 50	0s56	17 48	0s 5	4 25	0 13	22 12	1 57	11 34	0 45	20 15	1 45	15 7	0 14	16 36	1 34	27 40	15 42	19 35	19 44	20 39		n.a.
F 3	8 52	21 20	2 7	17 51	0 17	4 57	0 16	22 18	1 57	11 38	0 45	20 16	1 45	15 8	0 14	16 36	1 34	27 39	15 42	19 35	19 43	20 40		n.a.
S 4	8 30	20 29	3 10	17 53	0 29	5 28	0 20	22 24	1 56	11 42	0 45	20 17	1 45	15 8	0 14	16 37	1 34	27 39	15 42	19 35	19 42	20 40		n.a.
S 5	8 8	18 22	4 1	17 53	0 41	5 59	0 23	22 30	1 56	11 46	0 44	20 18	1 45	15 9	0 14	16 37	1 34	27 38	15 42	19 33	19 42	20 40		n.a.
M 6	7 45	15 12	4 38	17 51	0 51	6 30	0 26	22 36	1 56	11 50	0 44	20 19	1 45	15 10	0 14	16 37	1 34	27 38	15 42	19 32	19 41	20 41		n.a.
T 7	7 23	11 13	4 58	17 47	1 2	7 1	0 29	22 42	1 55	11 54	0 44	20 20	1 45	15 10	0 14	16 38	1 34	27 37	15 42	19 29	19 40	20 41		n.a.
W 8	7 0	6 43	5 0	17 42	1 12	7 32	0 33	22 48	1 55	11 58	0 44	20 21	1 45	15 11	0 14	16 38	1 34	27 37	15 43	19 27	19 40	20 41		n.a.
T 9	6 37	1 58	4 46	17 35	1 21	8 3	0 36	22 53	1 54	12 2	0 44	20 22	1 45	15 12	0 14	16 38	1 34	27 37	15 43	19 24	19 39	20 42		n.a.
F 10	6 14	2s47	4 17	17 26	1 29	8 33	0 40	22 59	1 54	12 6	0 43	20 23	1 45	15 12	0 14	16 39	1 34	27 36	15 43	19 21	19 38	20 42		n.a.
S 11	5 51	7 18	3 35	17 16	1 38	9 3	0 43	23 4	1 54	12 10	0 43	20 23	1 45	15 13	0 14	16 39	1 34	27 36	15 43	19 19	19 37	20 42		n.a.
S 12	5 28	11 24	2 44	17 3	1 45	9 33	0 46	23 10	1 53	12 14	0 43	20 24	1 45	15 14	0 14	16 39	1 34	27 35	15 43	19 17	19 37	20 43		n.a.
M13	5 5	14 56	1 46	16 50	1 52	10 3	0 50	23 15	1 53	12 18	0 43	20 25	1 45	15 15	0 14	16 40	1 34	27 35	15 43	19 16	19 36	20 43		n.a.
T 14	4 42	17 46	0 43	16 34	1 59	10 33	0 53	23 20	1 53	12 22	0 43	20 26	1 45	15 15	0 14	16 40	1 34	27 35	15 43	19 15	19 35	20 43		n.a.
W15	4 19	19 48	0n20	16 17	2 4	11 2	0 56	23 25	1 52	12 26	0 43	20 26	1 45	15 16	0 14	16 41	1 34	27 34	15 43	19 15	19 34	20 44		n.a.
T 16	3 56	20 57	1 22	15 58	2 10	11 31	1 0	23 31	1 52	12 30	0 42	20 27	1 45	15 17	0 14	16 41	1 34	27 34	15 44	19 16	19 33	20 44		n.a.
F 17	3 32	21 11	2 21	15 38	2 15	12 0	1 3	23 36	1 52	12 35	0 42	20 28	1 45	15 18	0 14	16 41	1 34	27 33	15 44	19 16	19 33	20 44		n.a.
S 18	3 9	20 26	3 14	15 16	2 19	12 28	1 6	23 40	1 51	12 39	0 42	20 28	1 45	15 19	0 14	16 42	1 34	27 33	15 44	19 15	19 32	20 44		n.a.
S 19	2 46	18 46	3 59	14 52	2 22	12 56	1 10	23 45	1 51	12 43	0 42	20 29	1 45	15 19	0 14	16 42	1 34	27 33	15 44	19 15	19 31	20 45		n.a.
M20	2 22	16 11	4 34	14 26	2 26	13 24	1 13	23 50	1 50	12 47	0 42	20 30	1 44	15 20	0 14	16 43	1 33	27 32	15 44	19 14	19 30	20 45		n.a.
T 21	1 59	12 47	4 57	14 0	2 28	13 52	1 16	23 55	1 50	12 51	0 42	20 30	1 44	15 21	0 14	16 43	1 33	27 32	15 44	19 12	19 30	20 45		n.a.
W22	1 35	8 42	5 5	13 31	2 30	14 19	1 20	23 59	1 50	12 56	0 41	20 31	1 44	15 22	0 14	16 43	1 33	27 32	15 45	19 10	19 29	20 46		n.a.
T 23	1 12	4 4	4 57	13 1	2 32	14 46	1 23	24 4	1 49	13 0	0 41	20 31	1 44	15 23	0 14	16 44	1 33	27 31	15 45	19 7	19 28	20 46		n.a.
F 24	0 49	0n53	4 31	12 29	2 33	15 13	1 26	24 8	1 49	13 4	0 41	20 32	1 44	15 24	0 14	16 44	1 33	27 31	15 45	19 5	19 27	20 46		n.a.
S 25	0 25	5 53	3 48	11 56	2 33	15 39	1 29	24 12	1 49	13 8	0 41	20 32	1 44	15 24	0 14	16 45	1 33	27 31	15 45	19 3	19 27	20 46		n.a.
S 26	0 2	10 39	2 51	11 21	2 33	16 5	1 32	24 16	1 48	13 13	0 41	20 32	1 44	15 25	0 14	16 45	1 33	27 31	15 45	19 1	19 26	20 47		n.a.
M27	0n22	14 51	1 42	10 45	2 32	16 30	1 36	24 20	1 48	13 17	0 41	20 33	1 44	15 26	0 14	16 46	1 33	27 30	15 46	19 0	19 25	20 47		n.a.
T 28	0 45	18 9	0 26	10 7	2 31	16 55	1 39	24 24	1 48	13 21	0 40	20 33	1 44	15 27	0 14	16 46	1 33	27 30	15 46	19 0	19 24	20 47		n.a.
W29	1 9	20 17	0s51	9 28	2 29	17 20	1 42	24 28	1 47	13 25	0 40	20 34	1 44	15 28	0 14	16 47	1 33	27 30	15 46	19 0	19 24	20 47		n.a.
T 30	1 32	21 6	2 5	8 47	2 26	17 44	1 45	24 31	1 47	13 30	0 40	20 34	1 44	15 29	0 14	16 47	1 33	27 29	15 46	19 0	19 23	20 48		n.a.
F 31	1n55	20n33	3s10	8s 4	2s23	18n 8	1n48	24n35	1n46	13n34	0s40	20n34	1n44	15n30	0s14	16n47	1s33	27s29	15s46	19s 0	19s22	20s48		n.a.

Julian Day Number = 1572460.5, Delta T = 04h16m46s
Ecliptic obliquity = 23°44'36, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'16, Lahiri = - 9°35'15 Julian Calendar 1 March 408 BCE == Greg. Calendar 24 Feb. 408 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

APRIL 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 16 12	5♈44'33	15♋57	16♓59	15♉44	14♊58	7♉44	6°R26	12♉20	21♉13	26♒44	23°R58	25♏24	7♐53	n.a.	S 1
S 2	12 20 9	6°42'33	29°47	18°44	16°53	15°31	7°57	6♌24	12°23	21°15	26°45	23♏56	25°21	8° 0	n.a.	S 2
M 3	12 24 5	7°40'30	13♌25	20°31	18° 1	16° 3	8°10	6°23	12°26	21°16	26°46	23°52	25°18	8° 6	n.a.	M 3
T 4	12 28 2	8°38'26	26°52	22°19	19°10	16°36	8°22	6°22	12°29	21°18	26°47	23°46	25°14	8°13	n.a.	T 4
W 5	12 31 59	9°36'19	10♍ 6	24° 9	20°18	17° 9	8°35	6°21	12°32	21°20	26°48	23°39	25°11	8°20	n.a.	W 5
T 6	12 35 55	10°34'11	23° 7	26° 2	21°26	17°42	8°48	6°20	12°35	21°22	26°50	23°31	25° 8	8°26	n.a.	T 6
F 7	12 39 52	11°32'01	5♎55	27°56	22°34	18°15	9° 1	6°20	12°38	21°23	26°51	23°24	25° 5	8°33	n.a.	F 7
S 8	12 43 48	12°29'49	18°28	29°52	23°42	18°48	9°14	6°19	12°41	21°25	26°52	23°19	25° 2	8°40	n.a.	S 8
S 9	12 47 45	13°27'36	0♏48	1♈49	24°49	19°21	9°27	6°19	12°45	21°27	26°53	23°14	24°58	8°46	n.a.	S 9
M10	12 51 41	14°25'22	12°56	3°49	25°57	19°54	9°40	6°18	12°48	21°29	26°54	23°12	24°55	8°53	n.a.	M10
T 11	12 55 38	15°23'06	24°54	5°50	27° 4	20°27	9°54	6°18	12°51	21°31	26°55	23°D12	24°52	9° 0	n.a.	T 11
W12	12 59 34	16°20'49	6♐45	7°53	28°11	21° 0	10° 7	6°18	12°54	21°33	26°56	23°12	24°49	9° 6	n.a.	W12
T 13	13 3 31	17°18'30	18°33	9°57	29°18	21°34	10°20	6°D18	12°58	21°35	26°57	23°14	24°46	9°13	n.a.	T 13
F 14	13 7 28	18°16'11	0♑23	12° 3	0♊25	22° 7	10°33	6°18	13° 1	21°37	26°58	23°16	24°43	9°20	n.a.	F 14
S 15	13 11 24	19°13'50	12°19	14°10	1°32	22°41	10°46	6°18	13° 4	21°39	26°59	23°17	24°39	9°26	n.a.	S 15
S 16	13 15 21	20°11'28	24°26	16°19	2°38	23°14	11° 0	6°18	13° 7	21°40	27° 0	23°R17	24°36	9°33	n.a.	S 16
M17	13 19 17	21° 9'04	6♒49	18°28	3°45	23°48	11°13	6°18	13°11	21°42	27° 1	23°16	24°33	9°40	n.a.	M17
T 18	13 23 14	22° 6'40	19°33	20°39	4°51	24°22	11°27	6°19	13°14	21°44	27° 2	23°13	24°30	9°46	n.a.	T 18
W19	13 27 10	23° 4'15	2♓40	22°50	5°57	24°56	11°40	6°19	13°17	21°46	27° 3	23°10	24°27	9°53	n.a.	W19
T 20	13 31 7	24° 1'48	16°13	25° 1	7° 3	25°30	11°53	6°20	13°21	21°48	27° 4	23° 6	24°23	9°59	n.a.	T 20
F 21	13 35 3	24°59'21	0♈10	27°12	8° 8	26° 3	12° 7	6°21	13°24	21°50	27° 5	23° 1	24°20	10° 6	n.a.	F 21
S 22	13 39 0	25°56'52	14°29	29°24	9°14	26°37	12°20	6°21	13°28	21°53	27° 6	22°58	24°17	10°13	n.a.	S 22
S 23	13 42 57	26°54'22	29° 6	1♉34	10°19	27°12	12°34	6°22	13°31	21°55	27° 7	22°55	24°14	10°19	n.a.	S 23
M24	13 46 53	27°51'51	13♉54	3°44	11°24	27°46	12°47	6°23	13°34	21°57	27° 8	22°54	24°11	10°26	n.a.	M24
T 25	13 50 50	28°49'19	28°44	5°53	12°29	28°20	13° 1	6°24	13°38	21°59	27° 9	22°D53	24° 8	10°33	n.a.	T 25
W26	13 54 46	29°46'46	13♊31	8° 1	13°33	28°54	13°15	6°26	13°41	22° 1	27° 9	22°54	24° 4	10°39	n.a.	W26
T 27	13 58 43	0♉44'11	28° 7	10° 7	14°37	29°29	13°28	6°27	13°45	22° 3	27°10	22°56	24° 1	10°46	n.a.	T 27
F 28	14 2 39	1°41'35	12♋29	12°12	15°42	0♋ 3	13°42	6°28	13°48	22° 5	27°11	22°57	23°58	10°53	n.a.	F 28
S 29	14 6 36	2°38'58	26°34	14°15	16°45	0°37	13°55	6°30	13°52	22° 7	27°12	22°R58	23°55	10°59	n.a.	S 29
S 30	14 10 32	3♉36'19	10♌21	16♉15	17♊49	1♋12	14♉ 9	6♌32	13♉55	22♉ 9	27♒13	22♏58	23♏52	11♐ 6	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n19	18n45	4s 4	7s21	2s20	18n31	1n51	24n38	1n46	13n38	0s40	20n34	1n44	15n31	0s14	16n48	1s33	27s29	15s47	19s 0	19s21	20s48		n.a.
S 2	2 42	15 52	4 42	6 35	2 16	18 54	1 54	24 42	1 46	13 43	0 40	20 35	1 43	15 32	0 14	16 48	1 33	27 29	15 47	19 0	19 21	20 48		n.a.
M 3	3 5	12 10	5 3	5 49	2 11	19 17	1 56	24 45	1 45	13 47	0 39	20 35	1 43	15 33	0 14	16 49	1 33	27 29	15 47	18 59	19 20	20 49		n.a.
T 4	3 28	7 54	5 8	5 1	2 6	19 39	1 59	24 48	1 45	13 51	0 39	20 35	1 43	15 34	0 14	16 49	1 33	27 28	15 47	18 57	19 19	20 49		n.a.
W 5	3 51	3 19	4 56	4 11	2 0	20 0	2 2	24 51	1 44	13 56	0 39	20 35	1 43	15 35	0 14	16 50	1 33	27 28	15 48	18 55	19 18	20 49		n.a.
T 6	4 14	1s20	4 29	3 20	1 54	20 21	2 5	24 54	1 44	14 0	0 39	20 35	1 43	15 36	0 14	16 50	1 33	27 28	15 48	18 53	19 17	20 49		n.a.
F 7	4 37	5 52	3 48	2 28	1 48	20 42	2 7	24 56	1 44	14 4	0 39	20 35	1 43	15 37	0 14	16 51	1 33	27 28	15 48	18 52	19 17	20 49		n.a.
S 8	5 0	10 3	2 57	1 35	1 40	21 2	2 10	24 59	1 43	14 9	0 39	20 35	1 43	15 38	0 14	16 51	1 33	27 28	15 48	18 50	19 16	20 50		n.a.
S 9	5 23	13 45	1 59	0 41	1 33	21 21	2 12	25 1	1 43	14 13	0 39	20 35	1 43	15 39	0 14	16 52	1 33	27 27	15 49	18 49	19 15	20 50		n.a.
M10	5 45	16 48	0 56	0n15	1 25	21 40	2 15	25 3	1 43	14 17	0 39	20 35	1 43	15 40	0 14	16 53	1 33	27 27	15 49	18 49	19 14	20 50		n.a.
T 11	6 8	19 5	0n 9	1 11	1 16	21 59	2 17	25 6	1 42	14 22	0 38	20 35	1 43	15 41	0 14	16 53	1 32	27 27	15 49	18 48	19 14	20 50		n.a.
W12	6 30	20 30	1 13	2 8	1 7	22 16	2 20	25 8	1 42	14 26	0 38	20 35	1 43	15 42	0 14	16 54	1 32	27 27	15 50	18 49	19 13	20 50		n.a.
T 13	6 53	21 1	2 14	3 7	0 58	22 34	2 22	25 9	1 41	14 30	0 38	20 35	1 42	15 43	0 14	16 54	1 32	27 27	15 50	18 49	19 12	20 50		n.a.
F 14	7 15	20 35	3 9	4 5	0 48	22 50	2 24	25 11	1 41	14 35	0 38	20 35	1 42	15 44	0 14	16 55	1 32	27 27	15 50	18 49	19 11	20 51		n.a.
S 15	7 37	19 14	3 57	5 5	0 38	23 7	2 26	25 13	1 41	14 39	0 38	20 35	1 42	15 45	0 14	16 55	1 32	27 27	15 50	18 50	19 10	20 51		n.a.
S 16	7 59	17 0	4 35	6 4	0 28	23 22	2 28	25 14	1 40	14 43	0 38	20 35	1 42	15 46	0 14	16 56	1 32	27 27	15 51	18 50	19 10	20 51		n.a.
M17	8 21	13 57	5 1	7 4	0 17	23 37	2 30	25 16	1 40	14 47	0 38	20 35	1 42	15 47	0 14	16 56	1 32	27 26	15 51	18 49	19 9	20 51		n.a.
T 18	8 43	10 12	5 13	8 3	0 7	23 52	2 32	25 17	1 40	14 52	0 37	20 35	1 42	15 48	0 14	16 57	1 32	27 26	15 51	18 49	19 8	20 51		n.a.
W19	9 5	5 51	5 9	9 3	0n 4	24 5	2 34	25 18	1 39	14 56	0 37	20 34	1 42	15 49	0 14	16 57	1 32	27 26	15 52	18 48	19 7	20 51		n.a.
T 20	9 26	1 5	4 48	10 1	0 14	24 19	2 35	25 19	1 39	15 0	0 37	20 34	1 42	15 50	0 14	16 58	1 32	27 26	15 52	18 47	19 6	20 52		n.a.
F 21	9 48	3n53	4 10	10 59	0 25	24 31	2 37	25 19	1 38	15 5	0 37	20 34	1 42	15 51	0 14	16 58	1 32	27 26	15 52	18 46	19 6	20 52		n.a.
S 22	10 9	8 47	3 16	11 57	0 35	24 43	2 38	25 20	1 38	15 9	0 37	20 33	1 41	15 52	0 14	16 59	1 32	27 26	15 53	18 45	19 5	20 52		n.a.
S 23	10 30	13 16	2 7	12 52	0 45	24 55	2 40	25 20	1 38	15 13	0 37	20 33	1 41	15 53	0 14	17 0	1 32	27 26	15 53	18 44	19 4	20 52		n.a.
M24	10 51	17 0	0 49	13 47	0 55	25 5	2 41	25 21	1 37	15 17	0 37	20 33	1 41	15 54	0 13	17 0	1 32	27 26	15 53	18 44	19 3	20 52		n.a.
T 25	11 12	19 36	0s32	14 40	1 4	25 15	2 42	25 21	1 37	15 22	0 37	20 32	1 41	15 55	0 13	17 1	1 32	27 26	15 53	18 44	19 3	20 52		n.a.
W26	11 32	20 52	1 51	15 31	1 13	25 25	2 43	25 21	1 36	15 26	0 36	20 32	1 41	15 56	0 13	17 1	1 32	27 26	15 54	18 44	19 2	20 52		n.a.
T 27	11 53	20 42	3 2	16 20	1 22	25 34	2 44	25 21	1 36	15 30	0 36	20 31	1 41	15 57	0 13	17 2	1 32	27 26	15 54	18 44	19 1	20 52		n.a.
F 28	12 13	19 9	4 1	17 7	1 30	25 42	2 45	25 20	1 36	15 34	0 36	20 31	1 41	15 58	0 13	17 2	1 32	27 26	15 54	18 45	19 0	20 52		n.a.
S 29	12 33	16 29	4 43	17 52	1 37	25 49	2 46	25 20	1 35	15 39	0 36	20 31	1 41	15 59	0 13	17 3	1 32	27 26	15 55	18 45	18 59	20 53		n.a.
S 30	12n53	12n55	5s 8	18n34	1n44	25n56	2n46	25n19	1n35	15n43	0s36	20n30	1n41	16n 0	0s13	17n 4	1s32	27s26	15s55	18s45	18s59	20s53		n.a.

Julian Day Number = 1572491.5, Delta T = 04h16m45s
Ecliptic obliquity = 23°44'36, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'12, Lahiri = - 9°35'11 Julian Calendar 1 Apr. 408 BCE == Greg. Calendar 27 March 408 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

MAY 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 14 29	4♉33'39	23♌50	18♉14	18♊52	1♋47	14♉23	6♌33	13♉59	22♉11	27♒13	22°R57	23♏49	11♐13	n.a.	M 1
T 2	14 18 26	5°30'58	7♍ 1	20°10	19°55	2°21	14°36	6°35	14° 2	22°14	27°14	22♏55	23°45	11°19	n.a.	T 2
W 3	14 22 22	6°28'16	19°57	22° 4	20°58	2°56	14°50	6°37	14° 6	22°16	27°15	22°53	23°42	11°26	n.a.	W 3
T 4	14 26 19	7°25'32	2♎38	23°55	22° 1	3°31	15° 4	6°39	14° 9	22°18	27°15	22°51	23°39	11°33	n.a.	T 4
F 5	14 30 15	8°22'47	15° 6	25°44	23° 3	4° 5	15°18	6°41	14°13	22°20	27°16	22°49	23°36	11°39	n.a.	F 5
S 6	14 34 12	9°20'02	27°22	27°30	24° 5	4°40	15°31	6°44	14°16	22°22	27°17	22°47	23°33	11°46	n.a.	S 6
S 7	14 38 8	10°17'16	9♏29	29°14	25° 6	5°15	15°45	6°46	14°20	22°24	27°17	22°46	23°29	11°53	n.a.	S 7
M 8	14 42 5	11°14'29	21°28	0♊55	26° 8	5°50	15°59	6°48	14°23	22°27	27°18	22°D46	23°26	11°59	n.a.	M 8
T 9	14 46 1	12°11'41	3♐20	2°34	27° 9	6°25	16°12	6°51	14°27	22°29	27°18	22°46	23°23	12° 6	n.a.	T 9
W10	14 49 58	13° 8'53	15° 9	4°10	28° 9	7° 0	16°26	6°53	14°30	22°31	27°19	22°46	23°20	12°13	n.a.	W10
T 11	14 53 55	14° 6'04	26°58	5°43	29°10	7°35	16°40	6°56	14°34	22°33	27°19	22°47	23°17	12°19	n.a.	T 11
F 12	14 57 51	15° 3'15	8♑48	7°13	0♋10	8°11	16°54	6°59	14°37	22°36	27°20	22°48	23°14	12°26	n.a.	F 12
S 13	15 1 48	16° 0'26	20°45	8°41	1° 9	8°46	17° 7	7° 2	14°41	22°38	27°20	22°49	23°10	12°32	n.a.	S 13
S 14	15 5 44	16°57'36	2♒53	10° 6	2° 8	9°21	17°21	7° 5	14°45	22°40	27°21	22°49	23° 7	12°39	n.a.	S 14
M15	15 9 41	17°54'46	15°15	11°28	3° 7	9°57	17°35	7° 8	14°48	22°42	27°21	22°R49	23° 4	12°46	n.a.	M15
T 16	15 13 37	18°51'55	27°56	12°48	4° 6	10°32	17°49	7°11	14°52	22°44	27°22	22°49	23° 1	12°52	n.a.	T 16
W17	15 17 34	19°49'05	10♓59	14° 4	5° 4	11° 7	18° 2	7°14	14°55	22°47	27°22	22°49	22°58	12°59	n.a.	W17
T 18	15 21 30	20°46'14	24°28	15°18	6° 1	11°43	18°16	7°18	14°59	22°49	27°22	22°49	22°54	13° 6	n.a.	T 18
F 19	15 25 27	21°43'23	8♈23	16°29	6°59	12°19	18°30	7°21	15° 2	22°51	27°23	22°49	22°51	13°12	n.a.	F 19
S 20	15 29 24	22°40'32	22°44	17°36	7°55	12°54	18°44	7°24	15° 6	22°53	27°23	22°D49	22°48	13°19	n.a.	S 20
S 21	15 33 20	23°37'41	7♉27	18°41	8°52	13°30	18°57	7°28	15° 9	22°56	27°23	22°49	22°45	13°26	n.a.	S 21
M22	15 37 17	24°34'49	22°25	19°42	9°48	14° 6	19°11	7°32	15°13	22°58	27°24	22°R49	22°42	13°32	n.a.	M22
T 23	15 41 13	25°31'58	7♊32	20°41	10°43	14°41	19°25	7°35	15°16	23° 0	27°24	22°49	22°39	13°39	n.a.	T 23
W24	15 45 10	26°29'06	22°38	21°35	11°38	15°17	19°39	7°39	15°20	23° 2	27°24	22°49	22°35	13°46	n.a.	W24
T 25	15 49 6	27°26'14	7♋34	22°27	12°32	15°53	19°52	7°43	15°23	23° 5	27°24	22°48	22°32	13°52	n.a.	T 25
F 26	15 53 3	28°23'21	22°13	23°15	13°26	16°29	20° 6	7°47	15°27	23° 7	27°24	22°48	22°29	13°59	n.a.	F 26
S 27	15 56 59	29°20'28	6♌30	23°59	14°19	17° 5	20°20	7°51	15°30	23° 9	27°25	22°47	22°26	14° 6	n.a.	S 27
S 28	16 0 56	0♊17'35	20°22	24°39	15°12	17°41	20°33	7°56	15°34	23°11	27°25	22°47	22°23	14°12	n.a.	S 28
M29	16 4 53	1°14'41	3♍51	25°15	16° 4	18°17	20°47	8° 0	15°37	23°14	27°25	22°D47	22°20	14°19	n.a.	M29
T 30	16 8 49	2°11'47	16°56	25°48	16°55	18°53	21° 0	8° 4	15°41	23°16	27°25	22°47	22°16	14°26	n.a.	T 30
W31	16 12 46	3♊ 8'53	29♍42	26♊16	17♋46	19♋29	21♉14	8♌ 9	15♉44	23♉18	27♒25	22♏48	22♏13	14♐32	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	13n12	8n47	5s16	19n14	1n50	26n 2	2n47	25n18	1n34	15n47	0s36	20n29	1n41	16n 1	0s13	17n 4	1s32	27s26	15s56	18s45	18s58	20s53			n.a.
T 2	13 32	4 18	5 6	19 52	1 55	26 8	2 47	25 17	1 34	15 51	0 36	20 29	1 40	16 2	0 13	17 5	1 32	27 26	15 56	18 44	18 57	20 53			n.a.
W 3	13 51	0s16	4 42	20 27	2 0	26 13	2 47	25 16	1 34	15 55	0 36	20 28	1 40	16 3	0 13	17 5	1 32	27 26	15 56	18 44	18 56	20 53			n.a.
T 4	14 10	4 46	4 3	21 0	2 4	26 17	2 48	25 15	1 33	16 0	0 36	20 28	1 40	16 5	0 13	17 6	1 32	27 26	15 57	18 43	18 55	20 53			n.a.
F 5	14 29	8 59	3 14	21 30	2 7	26 21	2 48	25 14	1 33	16 4	0 35	20 27	1 40	16 6	0 13	17 6	1 32	27 27	15 57	18 43	18 55	20 53			n.a.
S 6	14 47	12 47	2 16	21 58	2 10	26 24	2 47	25 12	1 32	16 8	0 35	20 26	1 40	16 7	0 13	17 7	1 32	27 27	15 57	18 42	18 54	20 53			n.a.
S 7	15 5	15 59	1 13	22 23	2 12	26 26	2 47	25 10	1 32	16 12	0 35	20 26	1 40	16 8	0 13	17 8	1 32	27 27	15 58	18 42	18 53	20 53			n.a.
M 8	15 24	18 28	0 7	22 46	2 13	26 28	2 47	25 8	1 32	16 16	0 35	20 25	1 40	16 9	0 13	17 8	1 32	27 27	15 58	18 42	18 52	20 53			n.a.
T 9	15 41	20 8	0n58	23 7	2 13	26 29	2 46	25 6	1 31	16 20	0 35	20 24	1 40	16 10	0 13	17 9	1 32	27 27	15 58	18 42	18 51	20 53			n.a.
W10	15 59	20 54	2 1	23 25	2 13	26 29	2 46	25 4	1 31	16 24	0 35	20 23	1 40	16 11	0 13	17 9	1 32	27 27	15 59	18 42	18 51	20 53			n.a.
T 11	16 16	20 44	2 59	23 41	2 12	26 29	2 45	25 2	1 30	16 28	0 35	20 23	1 40	16 12	0 13	17 10	1 32	27 27	15 59	18 42	18 50	20 53			n.a.
F 12	16 33	19 38	3 49	23 55	2 10	26 28	2 44	24 59	1 30	16 32	0 35	20 22	1 39	16 13	0 13	17 11	1 32	27 27	15 59	18 42	18 49	20 53			n.a.
S 13	16 50	17 41	4 30	24 7	2 7	26 27	2 43	24 56	1 30	16 36	0 35	20 21	1 39	16 14	0 13	17 11	1 32	27 28	16 0	18 43	18 48	20 53			n.a.
S 14	17 7	14 55	4 59	24 17	2 4	26 25	2 41	24 53	1 29	16 40	0 35	20 20	1 39	16 15	0 13	17 12	1 32	27 28	16 0	18 43	18 47	20 54			n.a.
M15	17 23	11 27	5 15	24 25	2 0	26 22	2 40	24 50	1 29	16 44	0 35	20 19	1 39	16 16	0 13	17 12	1 32	27 28	16 0	18 43	18 46	20 54			n.a.
T 16	17 39	7 24	5 17	24 31	1 55	26 19	2 38	24 47	1 28	16 48	0 34	20 18	1 39	16 17	0 13	17 13	1 32	27 28	16 1	18 43	18 46	20 54			n.a.
W17	17 55	2 53	5 2	24 36	1 50	26 15	2 37	24 44	1 28	16 52	0 34	20 17	1 39	16 18	0 13	17 13	1 32	27 28	16 1	18 43	18 45	20 54			n.a.
T 18	18 10	1n54	4 31	24 38	1 44	26 11	2 35	24 40	1 28	16 56	0 34	20 16	1 39	16 19	0 13	17 14	1 32	27 29	16 2	18 43	18 44	20 54			n.a.
F 19	18 26	6 46	3 43	24 39	1 37	26 6	2 33	24 37	1 27	17 0	0 34	20 15	1 39	16 20	0 13	17 15	1 32	27 29	16 2	18 43	18 43	20 54			n.a.
S 20	18 40	11 25	2 40	24 39	1 30	26 0	2 30	24 33	1 27	17 4	0 34	20 14	1 39	16 22	0 13	17 15	1 32	27 29	16 2	18 43	18 42	20 54			n.a.
S 21	18 55	15 30	1 24	24 36	1 21	25 54	2 28	24 29	1 26	17 8	0 34	20 13	1 39	16 23	0 13	17 16	1 32	27 29	16 3	18 43	18 42	20 54			n.a.
M22	19 9	18 39	0 2	24 33	1 13	25 48	2 25	24 25	1 26	17 12	0 34	20 12	1 38	16 24	0 13	17 16	1 32	27 29	16 3	18 43	18 41	20 54			n.a.
T 23	19 23	20 31	1s21	24 28	1 3	25 40	2 23	24 20	1 25	17 16	0 34	20 11	1 38	16 25	0 13	17 17	1 32	27 30	16 3	18 43	18 40	20 54			n.a.
W24	19 37	20 54	2 38	24 22	0 53	25 33	2 20	24 16	1 25	17 20	0 34	20 10	1 38	16 26	0 13	17 18	1 32	27 30	16 4	18 43	18 39	20 54			n.a.
T 25	19 50	19 48	3 44	24 14	0 43	25 25	2 17	24 11	1 25	17 23	0 34	20 9	1 38	16 27	0 13	17 18	1 32	27 30	16 4	18 42	18 38	20 54			n.a.
F 26	20 3	17 23	4 34	24 6	0 31	25 16	2 13	24 6	1 24	17 27	0 34	20 8	1 38	16 28	0 13	17 19	1 32	27 31	16 5	18 42	18 37	20 54			n.a.
S 27	20 16	13 58	5 5	23 56	0 20	25 7	2 10	24 1	1 24	17 31	0 33	20 7	1 38	16 29	0 13	17 19	1 32	27 31	16 5	18 42	18 37	20 53			n.a.
S 28	20 28	9 52	5 17	23 45	0 7	24 57	2 6	23 56	1 23	17 35	0 33	20 6	1 38	16 30	0 13	17 20	1 32	27 31	16 5	18 42	18 36	20 53			n.a.
M29	20 40	5 23	5 12	23 34	0s 6	24 47	2 2	23 51	1 23	17 38	0 33	20 4	1 38	16 31	0 13	17 20	1 32	27 31	16 6	18 42	18 35	20 53			n.a.
T 30	20 52	0 47	4 50	23 22	0 19	24 36	1 58	23 45	1 23	17 42	0 33	20 3	1 38	16 32	0 13	17 21	1 32	27 32	16 6	18 42	18 34	20 53			n.a.
W31	21n 3	3s45	4s14	23n 9	0s33	24n25	1n54	23n40	1n22	17n46	0s33	20n 2	1n38	16n33	0s13	17n21	1s32	27s32	16s 6	18s42	18s33	20s53			n.a.

Julian Day Number = 1572521.5, Delta T = 04h16m44s
Ecliptic obliquity = 23°44'36, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'07, Lahiri = - 9°35'07 Julian Calendar 1 May 408 BCE == Greg. Calendar 26 Apr. 408 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

JUNE 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 16 42	4♊ 5'58	12♎10	26♊40	18♋36	20♋ 6	21♉28	8♌13	15♉47	23♉20	27♒25	22♏49	22♏10	14♐39	n.a.	T 1
F 2	16 20 39	5° 3'03	24°25	26°59	19°25	20°42	21°41	8°18	15°51	23°22	27°R25	22°50	22° 7	14°46	n.a.	F 2
S 3	16 24 35	6° 0'08	6♏29	27°14	20°14	21°18	21°55	8°22	15°54	23°25	27°25	22°51	22° 4	14°52	n.a.	S 3
S 4	16 28 32	6°57'14	18°25	27°25	21° 2	21°55	22° 8	8°27	15°57	23°27	27°25	22°R51	22° 0	14°59	n.a.	S 4
M 5	16 32 29	7°54'19	0♐17	27°30	21°49	22°31	22°22	8°32	16° 1	23°29	27°25	22°51	21°57	15° 6	n.a.	M 5
T 6	16 36 25	8°51'25	12° 6	27°R31	22°35	23° 8	22°35	8°37	16° 4	23°31	27°25	22°50	21°54	15°12	n.a.	T 6
W 7	16 40 22	9°48'31	23°54	27°28	23°20	23°44	22°48	8°41	16° 7	23°33	27°25	22°48	21°51	15°19	n.a.	W 7
T 8	16 44 18	10°45'37	5♑45	27°19	24° 5	24°21	23° 2	8°46	16°11	23°35	27°25	22°46	21°48	15°26	n.a.	T 8
F 9	16 48 15	11°42'44	17°39	27° 6	24°48	24°57	23°15	8°52	16°14	23°38	27°25	22°43	21°45	15°32	n.a.	F 9
S 10	16 52 11	12°39'51	29°41	26°49	25°31	25°34	23°29	8°57	16°17	23°40	27°24	22°40	21°41	15°39	n.a.	S 10
S 11	16 56 8	13°36'58	11♒52	26°27	26°13	26°11	23°42	9° 2	16°21	23°42	27°24	22°38	21°38	15°46	n.a.	S 11
M12	17 0 4	14°34'07	24°15	26° 1	26°53	26°47	23°55	9° 7	16°24	23°44	27°24	22°35	21°35	15°52	n.a.	M12
T 13	17 4 1	15°31'16	6♓55	25°31	27°33	27°24	24° 8	9°12	16°27	23°46	27°24	22°34	21°32	15°59	n.a.	T 13
W14	17 7 58	16°28'25	19°54	24°58	28°11	28° 1	24°22	9°18	16°30	23°48	27°24	22°D34	21°29	16° 5	n.a.	W14
T 15	17 11 54	17°25'36	3♈16	24°23	28°49	28°38	24°35	9°23	16°33	23°50	27°23	22°35	21°26	16°12	n.a.	T 15
F 16	17 15 51	18°22'47	17° 3	23°44	29°25	29°15	24°48	9°29	16°36	23°52	27°23	22°36	21°22	16°19	n.a.	F 16
S 17	17 19 47	19°19'59	1♉15	23° 5	29°59	29°52	25° 1	9°34	16°40	23°54	27°23	22°37	21°19	16°25	n.a.	S 17
S 18	17 23 44	20°17'12	15°50	22°24	0♌34	0♌29	25°14	9°40	16°43	23°57	27°22	22°R38	21°16	16°32	n.a.	S 18
M19	17 27 40	21°14'27	0♊46	21°42	1° 6	1° 6	25°27	9°46	16°46	23°59	27°22	22°38	21°13	16°39	n.a.	M19
T 20	17 31 37	22°11'41	15°55	21° 2	1°37	1°43	25°40	9°52	16°49	24° 1	27°22	22°37	21°10	16°45	n.a.	T 20
W21	17 35 33	23° 8'57	1♋ 8	20°22	2° 7	2°20	25°53	9°57	16°52	24° 3	27°21	22°34	21° 6	16°52	n.a.	W21
T 22	17 39 30	24° 6'13	16°14	19°44	2°35	2°58	26° 6	10° 3	16°55	24° 5	27°21	22°30	21° 3	16°59	n.a.	T 22
F 23	17 43 27	25° 3'30	1♌ 6	19° 8	3° 1	3°35	26°19	10° 9	16°58	24° 7	27°20	22°25	21° 0	17° 5	n.a.	F 23
S 24	17 47 23	26° 0'48	15°35	18°36	3°26	4°12	26°31	10°15	17° 1	24° 9	27°20	22°21	20°57	17°12	n.a.	S 24
S 25	17 51 20	26°58'06	29°37	18° 7	3°49	4°50	26°44	10°21	17° 4	24°11	27°20	22°17	20°54	17°19	n.a.	S 25
M26	17 55 16	27°55'24	13♍11	17°43	4°11	5°27	26°57	10°27	17° 7	24°12	27°19	22°15	20°51	17°25	n.a.	M26
T 27	17 59 13	28°52'43	26°17	17°24	4°31	6° 5	27° 9	10°33	17° 9	24°14	27°18	22°D14	20°47	17°32	n.a.	T 27
W28	18 3 9	29°50'03	9♎ 0	17° 9	4°49	6°42	27°22	10°40	17°12	24°16	27°18	22°14	20°44	17°39	n.a.	W28
T 29	18 7 6	0♋47'24	21°23	17° 1	5° 5	7°20	27°34	10°46	17°15	24°18	27°17	22°15	20°41	17°45	n.a.	T 29
F 30	18 11 2	1♋44'45	3♏31	16°D58	5♌19	7♌57	27♉47	10♌52	17♉18	24♉20	27♒17	22♏17	20♏38	17♐52	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n14	8s 2	3s27	22n55	0s47	24n14	1n49	23n34	1n22	17n50	0s33	20n 1	1n38	16n34	0s13	17n22	1s32	27s32	16s 7	18s42	18s33	20s53		n.a.
F 2	21 25	11 55	2 31	22 41	1 2	24 2	1 44	23 28	1 21	17 53	0 33	19 59	1 38	16 35	0 13	17 23	1 32	27 33	16 7	18 43	18 32	20 53		n.a.
S 3	21 35	15 15	1 30	22 26	1 16	23 50	1 39	23 22	1 21	17 57	0 33	19 58	1 37	16 36	0 13	17 23	1 32	27 33	16 8	18 43	18 31	20 53		n.a.
S 4	21 45	17 55	0 25	22 11	1 32	23 37	1 34	23 15	1 20	18 0	0 33	19 57	1 37	16 37	0 13	17 24	1 32	27 33	16 8	18 43	18 30	20 53		n.a.
M 5	21 54	19 48	0n41	21 56	1 47	23 24	1 29	23 9	1 20	18 4	0 33	19 55	1 37	16 38	0 13	17 24	1 32	27 34	16 8	18 43	18 29	20 53		n.a.
T 6	22 3	20 48	1 45	21 41	2 2	23 11	1 23	23 2	1 20	18 7	0 33	19 54	1 37	16 39	0 13	17 25	1 32	27 34	16 9	18 43	18 28	20 53		n.a.
W 7	22 12	20 53	2 43	21 25	2 18	22 58	1 17	22 56	1 19	18 11	0 33	19 53	1 37	16 40	0 13	17 25	1 32	27 35	16 9	18 42	18 28	20 53		n.a.
T 8	22 21	20 2	3 35	21 10	2 33	22 44	1 11	22 49	1 19	18 14	0 33	19 51	1 37	16 41	0 13	17 26	1 32	27 35	16 9	18 42	18 27	20 53		n.a.
F 9	22 29	18 18	4 18	20 55	2 48	22 30	1 5	22 42	1 18	18 18	0 32	19 50	1 37	16 42	0 13	17 26	1 32	27 35	16 10	18 41	18 26	20 53		n.a.
S 10	22 36	15 45	4 50	20 40	3 3	22 15	0 58	22 34	1 18	18 21	0 32	19 48	1 37	16 43	0 13	17 27	1 32	27 36	16 10	18 40	18 25	20 53		n.a.
S 11	22 43	12 30	5 10	20 25	3 17	22 1	0 51	22 27	1 17	18 25	0 32	19 47	1 37	16 44	0 13	17 27	1 32	27 36	16 11	18 40	18 24	20 53		n.a.
M12	22 50	8 39	5 15	20 11	3 30	21 46	0 44	22 19	1 17	18 28	0 32	19 45	1 37	16 45	0 13	17 28	1 32	27 37	16 11	18 39	18 23	20 52		n.a.
T 13	22 57	4 22	5 5	19 57	3 43	21 31	0 37	22 12	1 16	18 32	0 32	19 44	1 37	16 45	0 13	17 28	1 32	27 37	16 11	18 39	18 23	20 52		n.a.
W14	23 3	0n14	4 40	19 44	3 55	21 16	0 29	22 4	1 16	18 35	0 32	19 42	1 37	16 46	0 13	17 29	1 32	27 37	16 12	18 39	18 22	20 52		n.a.
T 15	23 8	4 58	3 59	19 32	4 5	21 0	0 21	21 56	1 16	18 38	0 32	19 41	1 37	16 47	0 13	17 29	1 32	27 38	16 12	18 39	18 21	20 52		n.a.
F 16	23 14	9 36	3 3	19 21	4 15	20 45	0 13	21 47	1 15	18 41	0 32	19 39	1 37	16 48	0 13	17 30	1 32	27 38	16 12	18 39	18 20	20 52		n.a.
S 17	23 18	13 51	1 55	19 11	4 23	20 29	0 5	21 39	1 15	18 45	0 32	19 38	1 37	16 49	0 13	17 30	1 32	27 39	16 13	18 40	18 19	20 52		n.a.
S 18	23 23	17 23	0 37	19 2	4 30	20 13	0s 4	21 31	1 14	18 48	0 32	19 36	1 36	16 50	0 13	17 31	1 32	27 39	16 13	18 40	18 18	20 52		n.a.
M19	23 27	19 51	0s45	18 55	4 35	19 57	0 13	21 22	1 14	18 51	0 32	19 35	1 36	16 51	0 13	17 31	1 32	27 40	16 13	18 40	18 17	20 52		n.a.
T 20	23 31	20 56	2 4	18 49	4 38	19 41	0 22	21 13	1 13	18 54	0 32	19 33	1 36	16 52	0 13	17 32	1 32	27 40	16 14	18 39	18 17	20 51		n.a.
W21	23 34	20 29	3 15	18 44	4 40	19 25	0 32	21 4	1 13	18 58	0 32	19 31	1 36	16 53	0 13	17 32	1 32	27 41	16 14	18 39	18 16	20 51		n.a.
T 22	23 37	18 34	4 12	18 41	4 40	19 9	0 42	20 55	1 12	19 1	0 32	19 30	1 36	16 54	0 13	17 33	1 32	27 41	16 15	18 38	18 15	20 51		n.a.
F 23	23 39	15 26	4 51	18 40	4 38	18 53	0 52	20 46	1 12	19 4	0 32	19 28	1 36	16 54	0 13	17 33	1 32	27 41	16 15	18 37	18 14	20 51		n.a.
S 24	23 41	11 26	5 10	18 41	4 35	18 38	1 2	20 36	1 12	19 7	0 31	19 26	1 36	16 55	0 13	17 34	1 32	27 42	16 15	18 35	18 13	20 51		n.a.
S 25	23 42	6 55	5 10	18 43	4 30	18 22	1 13	20 27	1 11	19 10	0 31	19 25	1 36	16 56	0 13	17 34	1 32	27 42	16 16	18 34	18 12	20 51		n.a.
M26	23 44	2 12	4 52	18 47	4 24	18 6	1 24	20 17	1 11	19 13	0 31	19 23	1 36	16 57	0 13	17 35	1 32	27 43	16 16	18 34	18 12	20 51		n.a.
T 27	23 44	2s28	4 19	18 53	4 16	17 50	1 35	20 7	1 10	19 16	0 31	19 21	1 36	16 58	0 13	17 35	1 32	27 43	16 16	18 34	18 11	20 50		n.a.
W28	23 45	6 53	3 34	19 1	4 7	17 35	1 46	19 57	1 10	19 19	0 31	19 19	1 36	16 59	0 13	17 36	1 32	27 44	16 17	18 34	18 10	20 50		n.a.
T 29	23 44	10 55	2 41	19 10	3 57	17 20	1 58	19 47	1 9	19 22	0 31	19 18	1 36	16 59	0 13	17 36	1 32	27 44	16 17	18 34	18 9	20 50		n.a.
F 30	23n44	14s25	1s41	19n21	3s46	17n 5	2s10	19n37	1n 9	19n25	0s31	19n16	1n36	17n 0	0s13	17n37	1s32	27s45	16s17	18s34	18s 8	20s50		n.a.

Julian Day Number = 1572552.5, Delta T = 04h16m43s
Ecliptic obliquity = 23°44'35, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°42'03, Lahiri = - 9°35'03 Julian Calendar 1 June 408 BCE == Greg. Calendar 27 May 408 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

JULY 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 14 59	2♋42'07	15♏28	17♊ 2	5♌31	8♌35	27♉59	10♌58	17♉21	24♉22	27°R16	22♏18	20♏35	17♐59	n.a.	S 1
S 2	18 18 56	3°39'30	27°19	17°12	5°41	9°13	28°12	11° 5	17°23	24°24	27♒16	22°R18	20°32	18° 5	n.a.	S 2
M 3	18 22 52	4°36'54	9♐ 7	17°29	5°49	9°51	28°24	11°11	17°26	24°26	27°15	22°17	20°28	18°12	n.a.	M 3
T 4	18 26 49	5°34'19	20°55	17°52	5°54	10°28	28°36	11°18	17°29	24°27	27°14	22°13	20°25	18°19	n.a.	T 4
W 5	18 30 45	6°31'45	2♑47	18°21	5°58	11° 6	28°48	11°24	17°31	24°29	27°14	22° 8	20°22	18°25	n.a.	W 5
T 6	18 34 42	7°29'12	14°43	18°57	5°R59	11°44	29° 0	11°31	17°34	24°31	27°13	22° 1	20°19	18°32	n.a.	T 6
F 7	18 38 38	8°26'41	26°46	19°40	5°58	12°22	29°13	11°37	17°36	24°33	27°12	21°52	20°16	18°39	n.a.	F 7
S 8	18 42 35	9°24'10	8♒56	20°29	5°54	13° 0	29°24	11°44	17°39	24°34	27°11	21°44	20°12	18°45	n.a.	S 8
S 9	18 46 32	10°21'41	21°17	21°24	5°48	13°38	29°36	11°51	17°41	24°36	27°11	21°36	20° 9	18°52	n.a.	S 9
M10	18 50 28	11°19'14	3♓48	22°26	5°40	14°16	29°48	11°58	17°44	24°38	27°10	21°29	20° 6	18°59	n.a.	M10
T 11	18 54 25	12°16'48	16°33	23°33	5°29	14°54	29°59	12° 4	17°46	24°39	27° 9	21°24	20° 3	19° 5	n.a.	T 11
W12	18 58 21	13°14'23	29°33	24°46	5°16	15°33	0♊12	12°11	17°48	24°41	27° 8	21°21	20° 0	19°12	n.a.	W12
T 13	19 2 18	14°12'00	12♈51	26° 5	5° 1	16°11	0°23	12°18	17°51	24°43	27° 8	21°D20	19°57	19°19	n.a.	T 13
F 14	19 6 14	15° 9'39	26°29	27°29	4°44	16°49	0°35	12°25	17°53	24°44	27° 7	21°20	19°53	19°25	n.a.	F 14
S 15	19 10 11	16° 7'20	10♉29	28°59	4°24	17°27	0°46	12°32	17°55	24°46	27° 6	21°21	19°50	19°32	n.a.	S 15
S 16	19 14 7	17° 5'02	24°50	0♋32	4° 2	18° 6	0°58	12°39	17°57	24°47	27° 5	21°R21	19°47	19°39	n.a.	S 16
M17	19 18 4	18° 2'46	9♊32	2°10	3°38	18°44	1° 9	12°46	18° 0	24°49	27° 4	21°20	19°44	19°45	n.a.	M17
T 18	19 22 1	19° 0'32	24°28	3°52	3°12	19°23	1°20	12°53	18° 2	24°50	27° 3	21°17	19°41	19°52	n.a.	T 18
W19	19 25 57	19°58'20	9♋32	5°38	2°44	20° 1	1°31	13° 0	18° 4	24°52	27° 2	21°11	19°38	19°59	n.a.	W19
T 20	19 29 54	20°56'09	24°35	7°26	2°14	20°40	1°43	13° 7	18° 6	24°53	27° 1	21° 3	19°34	20° 5	n.a.	T 20
F 21	19 33 50	21°54'00	9♌27	9°17	1°43	21°19	1°53	13°14	18° 8	24°55	27° 0	20°53	19°31	20°12	n.a.	F 21
S 22	19 37 47	22°51'52	24° 0	11°11	1°10	21°57	2° 4	13°21	18°10	24°56	27° 0	20°44	19°28	20°19	n.a.	S 22
S 23	19 41 43	23°49'46	8♍ 7	13° 6	0°36	22°36	2°15	13°28	18°12	24°57	26°59	20°36	19°25	20°25	n.a.	S 23
M24	19 45 40	24°47'41	21°46	15° 3	0° 1	23°15	2°26	13°35	18°14	24°59	26°58	20°30	19°22	20°32	n.a.	M24
T 25	19 49 36	25°45'37	4♎57	17° 0	29♋25	23°54	2°37	13°42	18°15	25° 0	26°57	20°25	19°18	20°39	n.a.	T 25
W26	19 53 33	26°43'35	17°41	18°59	28°48	24°33	2°47	13°50	18°17	25° 1	26°56	20°23	19°15	20°45	n.a.	W26
T 27	19 57 30	27°41'34	0♏ 4	20°57	28°12	25°12	2°57	13°57	18°19	25° 2	26°55	20°D23	19°12	20°52	n.a.	T 27
F 28	20 1 26	28°39'34	12°11	22°56	27°35	25°51	3° 8	14° 4	18°21	25° 4	26°54	20°23	19° 9	20°59	n.a.	F 28
S 29	20 5 23	29°37'37	24° 6	24°55	26°58	26°30	3°18	14°11	18°22	25° 5	26°52	20°R24	19° 6	21° 5	n.a.	S 29
S 30	20 9 19	0♌35'40	5♐55	26°53	26°21	27° 9	3°28	14°19	18°24	25° 6	26°51	20°22	19° 3	21°12	n.a.	S 30
M31	20 13 16	1♌33'46	17♐43	28♋51	25♋45	27♌48	3♊38	14♌26	18♉25	25♉ 7	26♒50	20♏19	18♏59	21♐19	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n43	17s16	0s37	19n34	3s33	16n50	2s22	19n27	1n 8	19n27	0s31	19n14	1n36	17n 1	0s13	17n37	1s32	27s45	16s17	18s35	18s 7	20s50		n.a.
S 2	23 41	19 22	0n27	19 48	3 20	16 35	2 35	19 16	1 8	19 30	0 31	19 12	1 36	17 2	0 13	17 37	1 32	27 46	16 18	18 35	18 6	20 49		n.a.
M 3	23 40	20 37	1 30	20 3	3 7	16 21	2 48	19 5	1 7	19 33	0 31	19 10	1 36	17 2	0 13	17 38	1 32	27 47	16 18	18 34	18 6	20 49		n.a.
T 4	23 37	20 57	2 29	20 19	2 52	16 7	3 1	18 55	1 7	19 36	0 31	19 8	1 36	17 3	0 13	17 38	1 32	27 47	16 18	18 33	18 5	20 49		n.a.
W 5	23 35	20 21	3 21	20 37	2 38	15 53	3 14	18 44	1 6	19 39	0 31	19 7	1 36	17 4	0 13	17 39	1 32	27 48	16 19	18 32	18 4	20 49		n.a.
T 6	23 32	18 51	4 5	20 55	2 22	15 40	3 27	18 32	1 6	19 41	0 31	19 5	1 36	17 5	0 13	17 39	1 32	27 48	16 19	18 30	18 3	20 49		n.a.
F 7	23 28	16 31	4 39	21 13	2 7	15 28	3 41	18 21	1 6	19 44	0 31	19 3	1 36	17 5	0 13	17 39	1 32	27 49	16 19	18 28	18 2	20 48		n.a.
S 8	23 24	13 26	5 0	21 32	1 52	15 15	3 54	18 10	1 5	19 47	0 31	19 1	1 36	17 6	0 13	17 40	1 32	27 49	16 20	18 26	18 1	20 48		n.a.
S 9	23 20	9 44	5 7	21 52	1 36	15 3	4 8	17 58	1 5	19 49	0 31	18 59	1 36	17 7	0 13	17 40	1 32	27 50	16 20	18 24	18 0	20 48		n.a.
M10	23 15	5 35	5 0	22 11	1 21	14 52	4 22	17 47	1 4	19 52	0 31	18 57	1 36	17 7	0 13	17 41	1 32	27 50	16 20	18 22	18 0	20 48		n.a.
T 11	23 10	1 6	4 39	22 29	1 6	14 41	4 35	17 35	1 4	19 55	0 31	18 55	1 36	17 8	0 13	17 41	1 32	27 51	16 20	18 20	17 59	20 48		n.a.
W12	23 4	3n31	4 2	22 48	0 51	14 31	4 49	17 23	1 3	19 57	0 31	18 53	1 36	17 9	0 13	17 41	1 32	27 51	16 21	18 20	17 58	20 47		n.a.
T 13	22 59	8 4	3 12	23 5	0 36	14 21	5 3	17 11	1 3	20 0	0 30	18 51	1 36	17 9	0 13	17 42	1 32	27 52	16 21	18 19	17 57	20 47		n.a.
F 14	22 52	12 21	2 10	23 21	0 22	14 12	5 17	16 59	1 2	20 2	0 30	18 49	1 36	17 10	0 13	17 42	1 32	27 52	16 21	18 19	17 56	20 47		n.a.
S 15	22 45	16 4	0 58	23 36	0 8	14 4	5 30	16 47	1 2	20 5	0 30	18 47	1 36	17 11	0 13	17 42	1 32	27 53	16 22	18 20	17 55	20 47		n.a.
S 16	22 38	18 55	0s19	23 49	0n 5	13 56	5 43	16 34	1 1	20 7	0 30	18 45	1 36	17 11	0 13	17 43	1 32	27 54	16 22	18 20	17 54	20 46		n.a.
M17	22 31	20 35	1 36	24 1	0 17	13 49	5 56	16 22	1 1	20 9	0 30	18 43	1 36	17 12	0 13	17 43	1 32	27 54	16 22	18 19	17 53	20 46		n.a.
T 18	22 23	20 50	2 48	24 10	0 29	13 42	6 9	16 9	1 0	20 12	0 30	18 41	1 36	17 13	0 13	17 43	1 32	27 55	16 22	18 18	17 53	20 46		n.a.
W19	22 14	19 36	3 48	24 17	0 40	13 37	6 21	15 56	1 0	20 14	0 30	18 39	1 36	17 13	0 13	17 44	1 32	27 55	16 23	18 17	17 52	20 46		n.a.
T 20	22 5	17 0	4 33	24 22	0 50	13 32	6 33	15 43	0 59	20 16	0 30	18 37	1 36	17 14	0 13	17 44	1 32	27 56	16 23	18 15	17 51	20 45		n.a.
F 21	21 56	13 19	4 58	24 24	1 0	13 27	6 45	15 30	0 59	20 19	0 30	18 35	1 36	17 14	0 13	17 44	1 33	27 56	16 23	18 12	17 50	20 45		n.a.
S 22	21 47	8 55	5 4	24 24	1 8	13 24	6 55	15 17	0 58	20 21	0 30	18 33	1 36	17 15	0 13	17 45	1 33	27 57	16 23	18 10	17 49	20 45		n.a.
S 23	21 37	4 9	4 50	24 21	1 16	13 21	7 6	15 4	0 58	20 23	0 30	18 31	1 36	17 15	0 13	17 45	1 33	27 57	16 23	18 8	17 48	20 45		n.a.
M24	21 26	0s41	4 21	24 15	1 23	13 19	7 15	14 50	0 57	20 25	0 30	18 29	1 36	17 16	0 13	17 45	1 33	27 58	16 24	18 6	17 47	20 44		n.a.
T 25	21 16	5 19	3 38	24 7	1 29	13 17	7 24	14 37	0 57	20 27	0 30	18 27	1 36	17 16	0 13	17 46	1 33	27 59	16 24	18 5	17 47	20 44		n.a.
W26	21 5	9 34	2 45	23 55	1 34	13 17	7 32	14 23	0 56	20 30	0 30	18 25	1 36	17 17	0 13	17 46	1 33	27 59	16 24	18 4	17 46	20 44		n.a.
T 27	20 53	13 18	1 46	23 42	1 38	13 17	7 40	14 10	0 56	20 32	0 30	18 23	1 36	17 17	0 13	17 46	1 33	28 0	16 24	18 4	17 45	20 43		n.a.
F 28	20 41	16 23	0 44	23 26	1 41	13 17	7 46	13 56	0 55	20 34	0 30	18 21	1 36	17 18	0 13	17 46	1 33	28 0	16 25	18 4	17 44	20 43		n.a.
S 29	20 29	18 43	0n20	23 7	1 44	13 19	7 52	13 42	0 55	20 36	0 30	18 18	1 36	17 18	0 13	17 47	1 33	28 1	16 25	18 4	17 43	20 43		n.a.
S 30	20 17	20 14	1 22	22 46	1 46	13 21	7 57	13 28	0 54	20 38	0 30	18 16	1 36	17 19	0 13	17 47	1 33	28 1	16 25	18 4	17 42	20 43		n.a.
M31	20n 4	20s51	2n20	22n24	1n47	13n23	8s 1	13n14	0n54	20n40	0s30	18n14	1n36	17n19	0s13	17n47	1s33	28s 2	16s25	18s 3	17s41	20s42		n.a.

Julian Day Number = 1572582.5, Delta T = 04h16m42s
Ecliptic obliquity = 23°44'34, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'59, Lahiri = - 9°34'59 Julian Calendar 1 July 408 BCE == Greg. Calendar 26 June 408 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

AUGUST 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 17 12	2♌31'53	29♐34	0♌48	25°R10	28♌27	3♊48	14♌33	18♉27	25♉ 8	26°R49	20°R13	18♏56	21♐25	n.a.	T 1
W 2	20 21 9	3°30'01	11♑30	2°45	24♋36	29° 6	3°58	14°41	18°28	25° 9	26♒48	20♏ 5	18°53	21°32	n.a.	W 2
T 3	20 25 5	4°28'12	23°35	4°40	24° 3	29°46	4° 8	14°48	18°30	25°10	26°47	19°54	18°50	21°39	n.a.	T 3
F 4	20 29 2	5°26'24	5♒49	6°35	23°32	0♍25	4°17	14°55	18°31	25°11	26°46	19°41	18°47	21°45	n.a.	F 4
S 5	20 32 59	6°24'38	18°14	8°29	23° 2	1° 4	4°27	15° 3	18°32	25°12	26°45	19°28	18°44	21°52	n.a.	S 5
S 6	20 36 55	7°22'54	0♓49	10°21	22°34	1°44	4°36	15°10	18°34	25°13	26°44	19°16	18°40	21°59	n.a.	S 6
M 7	20 40 52	8°21'12	13°36	12°13	22° 8	2°23	4°45	15°17	18°35	25°14	26°43	19° 5	18°37	22° 5	n.a.	M 7
T 8	20 44 48	9°19'32	26°34	14° 3	21°44	3° 3	4°55	15°25	18°36	25°15	26°42	18°57	18°34	22°12	n.a.	T 8
W 9	20 48 45	10°17'54	9♈44	15°52	21°22	3°42	5° 4	15°32	18°37	25°16	26°40	18°51	18°31	22°19	n.a.	W 9
T 10	20 52 41	11°16'19	23° 7	17°40	21° 2	4°22	5°13	15°40	18°38	25°17	26°39	18°48	18°28	22°25	n.a.	T 10
F 11	20 56 38	12°14'45	6♉44	19°28	20°45	5° 2	5°21	15°47	18°39	25°18	26°38	18°47	18°24	22°32	n.a.	F 11
S 12	21 0 34	13°13'14	20°36	21°13	20°30	5°41	5°30	15°54	18°40	25°18	26°37	18°47	18°21	22°39	n.a.	S 12
S 13	21 4 31	14°11'46	4♊44	22°58	20°17	6°21	5°39	16° 2	18°41	25°19	26°36	18°47	18°18	22°45	n.a.	S 13
M14	21 8 27	15°10'20	19° 7	24°42	20° 7	7° 1	5°47	16° 9	18°42	25°20	26°35	18°45	18°15	22°52	n.a.	M14
T 15	21 12 24	16° 8'56	3♋43	26°25	19°59	7°41	5°55	16°17	18°43	25°20	26°33	18°40	18°12	22°59	n.a.	T 15
W16	21 16 21	17° 7'34	18°27	28° 6	19°54	8°21	6° 3	16°24	18°44	25°21	26°32	18°32	18° 9	23° 5	n.a.	W16
T 17	21 20 17	18° 6'15	3♌11	29°47	19°51	9° 1	6°12	16°32	18°44	25°22	26°31	18°22	18° 5	23°12	n.a.	T 17
F 18	21 24 14	19° 4'57	17°49	1♍26	19°D50	9°41	6°19	16°39	18°45	25°22	26°30	18°11	18° 2	23°19	n.a.	F 18
S 19	21 28 10	20° 3'42	2♍12	3° 5	19°52	10°21	6°27	16°46	18°46	25°23	26°29	17°59	17°59	23°25	n.a.	S 19
S 20	21 32 7	21° 2'29	16°14	4°42	19°56	11° 1	6°35	16°54	18°46	25°23	26°27	17°48	17°56	23°32	n.a.	S 20
M21	21 36 3	22° 1'17	29°51	6°19	20° 3	11°42	6°42	17° 1	18°47	25°24	26°26	17°39	17°53	23°39	n.a.	M21
T 22	21 40 0	23° 0'08	13♎ 2	7°54	20°11	12°22	6°50	17° 9	18°47	25°24	26°25	17°33	17°49	23°45	n.a.	T 22
W23	21 43 56	23°59'00	25°48	9°29	20°22	13° 2	6°57	17°16	18°48	25°25	26°24	17°29	17°46	23°52	n.a.	W23
T 24	21 47 53	24°57'55	8♏13	11° 3	20°35	13°43	7° 4	17°24	18°48	25°25	26°23	17°28	17°43	23°59	n.a.	T 24
F 25	21 51 50	25°56'51	20°21	12°35	20°49	14°23	7°11	17°31	18°48	25°25	26°21	17°28	17°40	24° 5	n.a.	F 25
S 26	21 55 46	26°55'49	2♐17	14° 7	21° 6	15° 4	7°18	17°38	18°48	25°26	26°20	17°28	17°37	24°12	n.a.	S 26
S 27	21 59 43	27°54'49	14° 7	15°38	21°25	15°44	7°24	17°46	18°49	25°26	26°19	17°27	17°34	24°19	n.a.	S 27
M28	22 3 39	28°53'51	25°56	17° 8	21°46	16°25	7°31	17°53	18°49	25°26	26°18	17°24	17°30	24°25	n.a.	M28
T 29	22 7 36	29°52'55	7♑49	18°37	22° 8	17° 5	7°37	18° 0	18°49	25°26	26°17	17°18	17°27	24°32	n.a.	T 29
W30	22 11 32	0♍52'00	19°51	20° 5	22°32	17°46	7°43	18° 8	18°R49	25°26	26°15	17°10	17°24	24°39	n.a.	W30
T 31	22 15 29	1♍51'08	2♒ 3	21♍32	22♋58	18♍27	7♊49	18♌15	18♉49	25♉27	26♒14	17♏ 0	17♏21	24♐45	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	19n51	20s32	3n12	21n59	1n48	13n26	8s 4	13n 0	0n53	20n42	0s30	18n12	1n36	17n20	0s13	17n47	1s33	28s 3	16s25	18s 1	17s40	20s42		n.a.	T 1
W 2	19 37	19 19	3 56	21 32	1 47	13 30	8 6	12 45	0 53	20 43	0 30	18 10	1 36	17 20	0 13	17 48	1 33	28 3	16 25	17 59	17 39	20 42		n.a.	W 2
T 3	19 23	17 13	4 30	21 4	1 47	13 34	8 7	12 31	0 52	20 45	0 30	18 8	1 36	17 20	0 13	17 48	1 33	28 4	16 26	17 56	17 39	20 41		n.a.	T 3
F 4	19 9	14 20	4 52	20 34	1 45	13 39	8 8	12 16	0 52	20 47	0 30	18 6	1 36	17 21	0 13	17 48	1 33	28 4	16 26	17 53	17 38	20 41		n.a.	F 4
S 5	18 54	10 47	5 1	20 2	1 44	13 44	8 8	12 2	0 51	20 49	0 30	18 3	1 36	17 21	0 13	17 48	1 33	28 5	16 26	17 49	17 37	20 41		n.a.	S 5
S 6	18 40	6 44	4 55	19 29	1 41	13 50	8 6	11 47	0 51	20 51	0 30	18 1	1 36	17 21	0 13	17 48	1 33	28 5	16 26	17 46	17 36	20 40		n.a.	S 6
M 7	18 24	2 19	4 34	18 55	1 38	13 56	8 5	11 32	0 50	20 52	0 29	17 59	1 36	17 22	0 13	17 48	1 33	28 6	16 26	17 43	17 35	20 40		n.a.	M 7
T 8	18 9	2n16	3 59	18 20	1 35	14 2	8 2	11 17	0 50	20 54	0 29	17 57	1 36	17 22	0 13	17 49	1 33	28 6	16 26	17 40	17 34	20 40		n.a.	T 8
W 9	17 53	6 49	3 11	17 44	1 32	14 8	7 59	11 2	0 49	20 56	0 29	17 55	1 36	17 22	0 13	17 49	1 33	28 7	16 26	17 39	17 33	20 39		n.a.	W 9
T 10	17 37	11 7	2 11	17 7	1 27	14 15	7 55	10 47	0 49	20 58	0 29	17 52	1 36	17 23	0 13	17 49	1 33	28 7	16 27	17 38	17 32	20 39		n.a.	T 10
F 11	17 20	14 56	1 3	16 29	1 23	14 22	7 50	10 32	0 48	20 59	0 29	17 50	1 36	17 23	0 13	17 49	1 33	28 8	16 27	17 38	17 32	20 39		n.a.	F 11
S 12	17 4	17 58	0s10	15 50	1 18	14 30	7 45	10 17	0 48	21 1	0 29	17 48	1 36	17 23	0 13	17 49	1 33	28 8	16 27	17 38	17 31	20 38		n.a.	S 12
S 13	16 47	19 59	1 23	15 11	1 13	14 37	7 39	10 1	0 47	21 2	0 29	17 46	1 36	17 24	0 13	17 49	1 33	28 9	16 27	17 38	17 30	20 38		n.a.	S 13
M14	16 29	20 45	2 33	14 31	1 8	14 44	7 33	9 46	0 47	21 4	0 29	17 44	1 36	17 24	0 13	17 50	1 34	28 9	16 27	17 37	17 29	20 37		n.a.	M14
T 15	16 12	20 8	3 34	13 51	1 3	14 52	7 27	9 30	0 46	21 5	0 29	17 41	1 37	17 24	0 13	17 50	1 34	28 10	16 27	17 36	17 28	20 37		n.a.	T 15
W16	15 54	18 9	4 21	13 10	0 57	15 0	7 20	9 15	0 45	21 7	0 29	17 39	1 37	17 24	0 13	17 50	1 34	28 10	16 27	17 34	17 27	20 37		n.a.	W16
T 17	15 36	14 59	4 50	12 29	0 51	15 7	7 13	8 59	0 45	21 8	0 29	17 37	1 37	17 24	0 13	17 50	1 34	28 11	16 27	17 31	17 26	20 36		n.a.	T 17
F 18	15 17	10 55	5 0	11 47	0 45	15 15	7 5	8 43	0 44	21 10	0 29	17 35	1 37	17 25	0 13	17 50	1 34	28 11	16 27	17 28	17 25	20 36		n.a.	F 18
S 19	14 59	6 18	4 51	11 6	0 38	15 22	6 57	8 27	0 44	21 11	0 29	17 33	1 37	17 25	0 13	17 50	1 34	28 12	16 27	17 24	17 24	20 36		n.a.	S 19
S 20	14 40	1 26	4 25	10 24	0 32	15 30	6 49	8 11	0 43	21 12	0 29	17 30	1 37	17 25	0 13	17 50	1 34	28 12	16 27	17 21	17 23	20 35		n.a.	S 20
M21	14 21	3s21	3 44	9 42	0 25	15 37	6 40	7 55	0 43	21 14	0 29	17 28	1 37	17 25	0 13	17 50	1 34	28 13	16 27	17 19	17 23	20 35		n.a.	M21
T 22	14 1	7 50	2 51	8 59	0 18	15 45	6 32	7 39	0 42	21 15	0 29	17 26	1 37	17 25	0 13	17 50	1 34	28 13	16 27	17 17	17 22	20 34		n.a.	T 22
W23	13 42	11 50	1 52	8 17	0 11	15 52	6 23	7 23	0 42	21 16	0 29	17 24	1 37	17 25	0 13	17 50	1 34	28 14	16 27	17 16	17 21	20 34		n.a.	W23
T 24	13 22	15 12	0 49	7 35	0 4	15 59	6 14	7 7	0 41	21 17	0 29	17 21	1 37	17 25	0 13	17 50	1 34	28 14	16 28	17 16	17 20	20 34		n.a.	T 24
F 25	13 2	17 49	0n15	6 52	0s 3	16 6	6 5	6 51	0 41	21 19	0 29	17 19	1 37	17 26	0 13	17 50	1 34	28 15	16 28	17 15	17 19	20 33		n.a.	F 25
S 26	12 41	19 37	1 18	6 10	0 10	16 12	5 56	6 34	0 40	21 20	0 29	17 17	1 37	17 26	0 13	17 50	1 34	28 15	16 28	17 15	17 18	20 33		n.a.	S 26
S 27	12 21	20 32	2 16	5 28	0 18	16 18	5 47	6 18	0 40	21 21	0 29	17 15	1 37	17 26	0 13	17 50	1 34	28 16	16 28	17 15	17 17	20 32		n.a.	S 27
M28	12 0	20 32	3 9	4 46	0 25	16 24	5 37	6 2	0 39	21 22	0 29	17 13	1 38	17 26	0 13	17 50	1 34	28 16	16 28	17 14	17 16	20 32		n.a.	M28
T 29	11 39	19 37	3 54	4 4	0 33	16 30	5 28	5 45	0 38	21 23	0 29	17 10	1 38	17 26	0 13	17 50	1 34	28 17	16 28	17 13	17 15	20 31		n.a.	T 29
W30	11 18	17 50	4 28	3 22	0 40	16 35	5 19	5 28	0 38	21 24	0 29	17 8	1 38	17 26	0 13	17 50	1 34	28 17	16 28	17 10	17 14	20 31		n.a.	W30
T 31	10n57	15s13	4n51	2n41	0s47	16n41	5s 9	5n12	0n37	21n25	0s29	17n 6	1n38	17n26	0s13	17n50	1s34	28s17	16s28	17s 7	17s14	20s31		n.a.	T 31

Julian Day Number = 1572613.5, Delta T = 04h16m40s
Ecliptic obliquity = 23°44'34, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'55, Lahiri = - 9°34'54 Julian Calendar 1 Aug. 408 BCE == Greg. Calendar 27 July 408 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

SEPTEMBER 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 19 25	2♍50'18	14♒29	22♍58	23♋26	19♍ 8	7♊55	18♌22	18°R49	25♉27	26°R13	16°R48	17♏18	24♐52	n.a.	F 1
S 2	22 23 22	3°49'30	27° 9	24°23	23°55	19°48	8° 1	18°29	18♉49	25°27	26♒12	16♏35	17°15	24°59	n.a.	S 2
S 3	22 27 18	4°48'43	10♓ 4	25°47	24°26	20°29	8° 6	18°37	18°49	25°R27	26°11	16°23	17°11	25° 6	n.a.	S 3
M 4	22 31 15	5°47'59	23°12	27°10	24°58	21°10	8°11	18°44	18°48	25°27	26° 9	16°12	17° 8	25°12	n.a.	M 4
T 5	22 35 12	6°47'18	6♈31	28°32	25°32	21°51	8°17	18°51	18°48	25°27	26° 8	16° 4	17° 5	25°19	n.a.	T 5
W 6	22 39 8	7°46'38	20° 1	29°53	26° 7	22°32	8°22	18°58	18°48	25°27	26° 7	15°59	17° 2	25°26	n.a.	W 6
T 7	22 43 5	8°46'01	3♉40	1♎13	26°43	23°13	8°27	19° 5	18°47	25°27	26° 6	15°56	16°59	25°32	n.a.	T 7
F 8	22 47 1	9°45'26	17°27	2°31	27°21	23°55	8°31	19°13	18°47	25°26	26° 5	15°D55	16°55	25°39	n.a.	F 8
S 9	22 50 58	10°44'54	1♊23	3°49	28° 0	24°36	8°36	19°20	18°46	25°26	26° 3	15°56	16°52	25°46	n.a.	S 9
S 10	22 54 54	11°44'25	15°26	5° 5	28°40	25°17	8°40	19°27	18°46	25°26	26° 2	15°R56	16°49	25°52	n.a.	S 10
M11	22 58 51	12°43'58	29°37	6°19	29°21	25°58	8°44	19°34	18°45	25°26	26° 1	15°55	16°46	25°59	n.a.	M11
T 12	23 2 47	13°43'33	13♋53	7°32	0♌ 3	26°40	8°48	19°41	18°45	25°26	26° 0	15°51	16°43	26° 6	n.a.	T 12
W13	23 6 44	14°43'10	28°12	8°43	0°47	27°21	8°52	19°48	18°44	25°25	25°59	15°45	16°40	26°12	n.a.	W13
T 14	23 10 41	15°42'50	12♌30	9°53	1°31	28° 3	8°56	19°55	18°43	25°25	25°58	15°37	16°36	26°19	n.a.	T 14
F 15	23 14 37	16°42'33	26°42	11° 0	2°17	28°44	8°59	20° 2	18°43	25°25	25°57	15°28	16°33	26°26	n.a.	F 15
S 16	23 18 34	17°42'17	10♍43	12° 6	3° 3	29°26	9° 2	20° 9	18°42	25°24	25°56	15°18	16°30	26°32	n.a.	S 16
S 17	23 22 30	18°42'04	24°27	13° 9	3°51	0♎ 8	9° 5	20°15	18°41	25°24	25°54	15° 9	16°27	26°39	n.a.	S 17
M18	23 26 27	19°41'52	7♎52	14° 9	4°39	0°49	9° 8	20°22	18°40	25°23	25°53	15° 1	16°24	26°46	n.a.	M18
T 19	23 30 23	20°41'43	20°56	15° 7	5°28	1°31	9°11	20°29	18°39	25°23	25°52	14°56	16°21	26°52	n.a.	T 19
W20	23 34 20	21°41'35	3♏39	16° 2	6°18	2°13	9°13	20°36	18°38	25°22	25°51	14°53	16°17	26°59	n.a.	W20
T 21	23 38 16	22°41'30	16° 3	16°53	7° 8	2°55	9°16	20°43	18°37	25°22	25°50	14°D53	16°14	27° 6	n.a.	T 21
F 22	23 42 13	23°41'26	28°11	17°40	7°59	3°37	9°18	20°49	18°36	25°21	25°49	14°53	16°11	27°12	n.a.	F 22
S 23	23 46 9	24°41'24	10♐ 8	18°23	8°52	4°19	9°20	20°56	18°35	25°20	25°48	14°55	16° 8	27°19	n.a.	S 23
S 24	23 50 6	25°41'24	21°59	19° 2	9°44	5° 1	9°21	21° 2	18°33	25°20	25°47	14°R55	16° 5	27°26	n.a.	S 24
M25	23 54 3	26°41'26	3♑49	19°35	10°38	5°43	9°23	21° 9	18°32	25°19	25°46	14°55	16° 1	27°32	n.a.	M25
T 26	23 57 59	27°41'29	15°43	20° 2	11°32	6°25	9°24	21°15	18°31	25°18	25°45	14°53	15°58	27°39	n.a.	T 26
W27	0 1 56	28°41'35	27°47	20°24	12°27	7° 7	9°25	21°22	18°29	25°18	25°44	14°49	15°55	27°46	n.a.	W27
T 28	0 5 52	29°41'41	10♒ 3	20°38	13°22	7°49	9°26	21°28	18°28	25°17	25°43	14°43	15°52	27°52	n.a.	T 28
F 29	0 9 49	0♎41'50	22°37	20°R45	14°18	8°32	9°27	21°34	18°27	25°16	25°42	14°36	15°49	27°59	n.a.	F 29
S 30	0 13 45	1♎42'00	5♓28	20♎44	15♌15	9♎14	9♊28	21♌41	18♉25	25♉15	25♒41	14♏29	15♏46	28♐ 6	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n35	11s54	5n 1	1n59	0s55	16n45	5s 0	4n55	0n37	21n26	0s29	17n 4	1n38	17n26	0s13	17n50	1s34	28s18	16s27	17s 4	17s13	20s30		n.a.
S 2	10 14	7 59	4 56	1 18	1 2	16 50	4 51	4 38	0 36	21 27	0 29	17 2	1 38	17 26	0 13	17 50	1 34	28 18	16 27	17 0	17 12	20 30		n.a.
S 3	9 52	3 38	4 36	0 38	1 10	16 54	4 41	4 22	0 36	21 28	0 29	16 59	1 38	17 26	0 13	17 50	1 34	28 19	16 27	16 57	17 11	20 29		n.a.
M 4	9 30	0n57	4 2	0s 2	1 17	16 57	4 32	4 5	0 35	21 29	0 29	16 57	1 38	17 26	0 13	17 50	1 34	28 19	16 27	16 54	17 10	20 29		n.a.
T 5	9 8	5 34	3 13	0 42	1 24	17 0	4 22	3 48	0 35	21 30	0 29	16 55	1 38	17 25	0 13	17 50	1 35	28 19	16 27	16 51	17 9	20 28		n.a.
W 6	8 46	9 58	2 13	1 21	1 32	17 3	4 13	3 31	0 34	21 31	0 28	16 53	1 38	17 25	0 13	17 50	1 35	28 20	16 27	16 50	17 8	20 28		n.a.
T 7	8 23	13 55	1 5	2 0	1 39	17 5	4 4	3 14	0 33	21 31	0 28	16 51	1 39	17 25	0 13	17 50	1 35	28 20	16 27	16 49	17 7	20 27		n.a.
F 8	8 0	17 8	0s 8	2 38	1 46	17 7	3 55	2 57	0 33	21 32	0 28	16 49	1 39	17 25	0 13	17 50	1 35	28 21	16 27	16 49	17 6	20 27		n.a.
S 9	7 38	19 22	1 21	3 15	1 53	17 8	3 46	2 40	0 32	21 33	0 28	16 46	1 39	17 25	0 13	17 50	1 35	28 21	16 27	16 49	17 5	20 26		n.a.
S 10	7 15	20 26	2 31	3 52	2 0	17 9	3 37	2 23	0 32	21 34	0 28	16 44	1 39	17 25	0 13	17 50	1 35	28 21	16 27	16 49	17 4	20 26		n.a.
M11	6 52	20 14	3 31	4 28	2 6	17 10	3 28	2 6	0 31	21 34	0 28	16 42	1 39	17 25	0 13	17 50	1 35	28 22	16 27	16 49	17 3	20 25		n.a.
T 12	6 29	18 43	4 19	5 3	2 13	17 9	3 19	1 49	0 31	21 35	0 28	16 40	1 39	17 25	0 13	17 50	1 35	28 22	16 27	16 48	17 3	20 25		n.a.
W13	6 5	16 3	4 50	5 38	2 19	17 9	3 10	1 31	0 30	21 36	0 28	16 38	1 39	17 24	0 13	17 50	1 35	28 22	16 27	16 46	17 2	20 24		n.a.
T 14	5 42	12 24	5 4	6 11	2 25	17 8	3 1	1 14	0 29	21 36	0 28	16 36	1 39	17 24	0 13	17 49	1 35	28 23	16 27	16 44	17 1	20 24		n.a.
F 15	5 19	8 6	4 59	6 43	2 31	17 6	2 53	0 57	0 29	21 37	0 28	16 34	1 40	17 24	0 13	17 49	1 35	28 23	16 26	16 41	17 0	20 23		n.a.
S 16	4 55	3 24	4 35	7 14	2 36	17 4	2 44	0 40	0 28	21 37	0 28	16 32	1 40	17 24	0 13	17 49	1 35	28 23	16 26	16 38	16 59	20 23		n.a.
S 17	4 31	1s23	3 56	7 44	2 41	17 1	2 36	0 22	0 28	21 38	0 28	16 30	1 40	17 23	0 13	17 49	1 35	28 23	16 26	16 35	16 58	20 22		n.a.
M18	4 8	5 59	3 5	8 12	2 46	16 58	2 27	0 5	0 27	21 38	0 28	16 27	1 40	17 23	0 13	17 49	1 35	28 24	16 26	16 33	16 57	20 22		n.a.
T 19	3 44	10 12	2 5	8 39	2 51	16 54	2 19	0s12	0 26	21 39	0 28	16 25	1 40	17 23	0 13	17 49	1 35	28 24	16 26	16 31	16 56	20 21		n.a.
W20	3 20	13 50	1 0	9 4	2 55	16 49	2 11	0 30	0 26	21 39	0 28	16 23	1 40	17 23	0 13	17 49	1 35	28 24	16 26	16 30	16 55	20 21		n.a.
T 21	2 56	16 45	0n 6	9 27	2 58	16 44	2 3	0 47	0 25	21 40	0 28	16 21	1 40	17 22	0 13	17 48	1 35	28 24	16 26	16 30	16 54	20 20		n.a.
F 22	2 32	18 51	1 11	9 48	3 1	16 39	1 55	1 5	0 25	21 40	0 28	16 19	1 41	17 22	0 13	17 48	1 35	28 25	16 25	16 30	16 53	20 20		n.a.
S 23	2 8	20 5	2 12	10 7	3 3	16 33	1 47	1 22	0 24	21 40	0 28	16 17	1 41	17 22	0 13	17 48	1 35	28 25	16 25	16 31	16 52	20 19		n.a.
S 24	1 44	20 24	3 7	10 23	3 4	16 26	1 39	1 39	0 23	21 41	0 28	16 15	1 41	17 21	0 13	17 48	1 35	28 25	16 25	16 31	16 51	20 19		n.a.
M25	1 20	19 48	3 53	10 36	3 5	16 19	1 32	1 57	0 23	21 41	0 28	16 13	1 41	17 21	0 13	17 48	1 35	28 25	16 25	16 31	16 51	20 18		n.a.
T 26	0 56	18 20	4 30	10 47	3 5	16 11	1 24	2 14	0 22	21 41	0 28	16 11	1 41	17 21	0 13	17 47	1 35	28 26	16 25	16 30	16 50	20 18		n.a.
W27	0 32	16 3	4 55	10 54	3 4	16 3	1 17	2 32	0 22	21 41	0 28	16 9	1 41	17 20	0 13	17 47	1 35	28 26	16 25	16 29	16 49	20 17		n.a.
T 28	0 7	13 1	5 8	10 57	3 1	15 54	1 10	2 49	0 21	21 42	0 28	16 7	1 41	17 20	0 13	17 47	1 35	28 26	16 24	16 28	16 48	20 17		n.a.
F 29	0s17	9 20	5 6	10 56	2 58	15 45	1 3	3 7	0 20	21 42	0 28	16 6	1 42	17 19	0 13	17 47	1 36	28 26	16 24	16 25	16 47	20 16		n.a.
S 30	0s41	5s 9	4n49	10s51	2s53	15n35	0s56	3s24	0n20	21n42	0s28	16n 4	1n42	17n19	0s13	17n46	1s36	28s26	16s24	16s23	16s46	20s16		n.a.

Julian Day Number = 1572644.5, Delta T = 04h16m39s
Ecliptic obliquity = 23°44'35, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'51, Lahiri = - 9°34'50 Julian Calendar 1 Sept. 408 BCE == Greg. Calendar 27 Aug. 408 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

OCTOBER 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 17 42	2♎42'12	18♓38	20°R34	16♌12	9♎56	9♊28	21♌47	18°R23	25°R14	25°R40	14°R21	15♏42	28♐12	n.a.	S 1
M 2	0 21 38	3°42'26	2♈ 7	20♎15	17°10	10°39	9°R28	21°53	18♉22	25♉13	25♒39	14♏14	15°39	28°19	n.a.	M 2
T 3	0 25 35	4°42'42	15°51	19°46	18° 8	11°21	9°28	21°59	18°20	25°12	25°38	14°10	15°36	28°26	n.a.	T 3
W 4	0 29 31	5°43'00	29°47	19° 7	19° 7	12° 4	9°28	22° 5	18°19	25°11	25°37	14° 7	15°33	28°33	n.a.	W 4
T 5	0 33 28	6°43'19	13♉52	18°19	20° 6	12°47	9°27	22°11	18°17	25°10	25°37	14°D 6	15°30	28°39	n.a.	T 5
F 6	0 37 25	7°43'41	28° 2	17°22	21° 6	13°29	9°27	22°17	18°15	25° 9	25°36	14° 7	15°26	28°46	n.a.	F 6
S 7	0 41 21	8°44'05	12♊14	16°17	22° 6	14°12	9°26	22°23	18°13	25° 8	25°35	14° 8	15°23	28°53	n.a.	S 7
S 8	0 45 18	9°44'31	26°27	15° 5	23° 6	14°55	9°25	22°29	18°12	25° 7	25°34	14° 9	15°20	28°59	n.a.	S 8
M 9	0 49 14	10°44'59	10♋37	13°48	24° 8	15°38	9°23	22°35	18°10	25° 6	25°33	14°R10	15°17	29° 6	n.a.	M 9
T 10	0 53 11	11°45'29	24°43	12°29	25° 9	16°20	9°22	22°41	18° 8	25° 5	25°33	14° 9	15°14	29°13	n.a.	T 10
W11	0 57 7	12°46'01	8♌43	11° 9	26°11	17° 3	9°20	22°46	18° 6	25° 4	25°32	14° 7	15°11	29°19	n.a.	W11
T 12	1 1 4	13°46'35	22°37	9°51	27°13	17°46	9°18	22°52	18° 4	25° 3	25°31	14° 4	15° 7	29°26	n.a.	T 12
F 13	1 5 0	14°47'11	6♍21	8°39	28°16	18°29	9°16	22°57	18° 2	25° 2	25°30	13°59	15° 4	29°33	n.a.	F 13
S 14	1 8 57	15°47'49	19°53	7°34	29°19	19°13	9°14	23° 3	18° 0	25° 0	25°30	13°54	15° 1	29°39	n.a.	S 14
S 15	1 12 54	16°48'28	3♎13	6°37	0♍22	19°56	9°12	23° 8	17°58	24°59	25°29	13°50	14°58	29°46	n.a.	S 15
M16	1 16 50	17°49'09	16°17	5°52	1°26	20°39	9° 9	23°13	17°56	24°58	25°28	13°47	14°55	29°53	n.a.	M16
T 17	1 20 47	18°49'52	29° 5	5°17	2°30	21°22	9° 6	23°19	17°54	24°57	25°28	13°44	14°52	29°59	n.a.	T 17
W18	1 24 43	19°50'36	11♏38	4°55	3°35	22° 6	9° 3	23°24	17°52	24°55	25°27	13°D44	14°48	0♑ 6	n.a.	W18
T 19	1 28 40	20°51'22	23°56	4°D43	4°39	22°49	9° 0	23°29	17°49	24°54	25°26	13°44	14°45	0°13	n.a.	T 19
F 20	1 32 36	21°52'09	6♐ 2	4°44	5°44	23°32	8°56	23°34	17°47	24°53	25°26	13°45	14°42	0°19	n.a.	F 20
S 21	1 36 33	22°52'57	17°58	4°55	6°50	24°16	8°53	23°39	17°45	24°51	25°25	13°47	14°39	0°26	n.a.	S 21
S 22	1 40 29	23°53'46	29°49	5°15	7°55	24°59	8°49	23°44	17°43	24°50	25°25	13°49	14°36	0°33	n.a.	S 22
M23	1 44 26	24°54'37	11♑39	5°45	9° 1	25°43	8°45	23°49	17°40	24°48	25°24	13°50	14°32	0°40	n.a.	M23
T 24	1 48 23	25°55'28	23°32	6°23	10° 7	26°27	8°41	23°53	17°38	24°47	25°24	13°R50	14°29	0°46	n.a.	T 24
W25	1 52 19	26°56'21	5♒34	7° 8	11°14	27°10	8°36	23°58	17°36	24°45	25°23	13°50	14°26	0°53	n.a.	W25
T 26	1 56 16	27°57'15	17°49	8° 0	12°20	27°54	8°32	24° 3	17°33	24°44	25°23	13°49	14°23	1° 0	n.a.	T 26
F 27	2 0 12	28°58'09	0♓22	8°57	13°27	28°38	8°27	24° 7	17°31	24°43	25°22	13°48	14°20	1° 6	n.a.	F 27
S 28	2 4 9	29°59'05	13°16	9°59	14°34	29°21	8°22	24°11	17°29	24°41	25°22	13°46	14°17	1°13	n.a.	S 28
S 29	2 8 5	1♏ 0'02	26°33	11° 5	15°42	0♏ 5	8°17	24°16	17°26	24°39	25°21	13°44	14°13	1°20	n.a.	S 29
M30	2 12 2	2° 0'59	10♈13	12°16	16°49	0°49	8°12	24°20	17°24	24°38	25°21	13°42	14°10	1°26	n.a.	M30
T 31	2 15 58	3♏ 1'58	24♈15	13♎29	17♍57	1♏33	8♊ 7	24♌24	17♉21	24♉36	25♒21	13♏41	14♏ 7	1♑33	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	1s 5	0s38	4n16	10s41	2s46	15n24	0s49	3s41	0n19	21n42	0s27	16n 2	1n42	17n19	0s13	17n46	1s36	28s26	16s24	16s21	16s45	20s15			n.a.
M 2	1 29	4n 2	3 28	10 26	2 38	15 13	0 42	3 59	0 19	21 42	0 27	16 0	1 42	17 18	0 13	17 46	1 36	28 26	16 24	16 19	16 44	20 14			n.a.
T 3	1 54	8 34	2 28	10 6	2 28	15 2	0 35	4 16	0 18	21 42	0 27	15 58	1 42	17 18	0 13	17 46	1 36	28 27	16 23	16 17	16 43	20 14			n.a.
W 4	2 18	12 44	1 17	9 41	2 17	14 50	0 29	4 34	0 17	21 42	0 27	15 56	1 42	17 17	0 13	17 45	1 36	28 27	16 23	16 17	16 42	20 13			n.a.
T 5	2 42	16 13	0 1	9 10	2 3	14 37	0 22	4 51	0 17	21 42	0 27	15 54	1 43	17 17	0 13	17 45	1 36	28 27	16 23	16 16	16 41	20 13			n.a.
F 6	3 6	18 45	1s15	8 34	1 48	14 24	0 16	5 8	0 16	21 42	0 27	15 53	1 43	17 16	0 13	17 45	1 36	28 27	16 23	16 17	16 40	20 12			n.a.
S 7	3 30	20 7	2 28	7 53	1 31	14 10	0 10	5 26	0 16	21 42	0 27	15 51	1 43	17 16	0 13	17 45	1 36	28 27	16 22	16 17	16 39	20 12			n.a.
S 8	3 54	20 11	3 31	7 8	1 13	13 56	0 4	5 43	0 15	21 42	0 27	15 49	1 43	17 15	0 13	17 44	1 36	28 27	16 22	16 17	16 38	20 11			n.a.
M 9	4 18	18 59	4 21	6 20	0 53	13 41	0n 2	6 0	0 14	21 42	0 27	15 47	1 43	17 15	0 13	17 44	1 36	28 27	16 22	16 18	16 37	20 10			n.a.
T 10	4 42	16 37	4 55	5 30	0 33	13 25	0 8	6 18	0 14	21 41	0 27	15 46	1 44	17 14	0 13	17 44	1 36	28 27	16 22	16 17	16 37	20 10			n.a.
W11	5 6	13 18	5 11	4 39	0 12	13 10	0 14	6 35	0 13	21 41	0 27	15 44	1 44	17 14	0 13	17 43	1 36	28 27	16 21	16 17	16 36	20 9			n.a.
T 12	5 30	9 17	5 9	3 49	0n 8	12 53	0 19	6 52	0 12	21 41	0 27	15 42	1 44	17 13	0 13	17 43	1 36	28 27	16 21	16 16	16 35	20 9			n.a.
F 13	5 54	4 49	4 49	3 2	0 29	12 36	0 24	7 9	0 12	21 41	0 27	15 41	1 44	17 13	0 13	17 43	1 36	28 27	16 21	16 14	16 34	20 8			n.a.
S 14	6 18	0 10	4 14	2 19	0 48	12 19	0 30	7 26	0 11	21 40	0 27	15 39	1 44	17 12	0 13	17 42	1 36	28 27	16 21	16 13	16 33	20 7			n.a.
S 15	6 41	4s25	3 24	1 40	1 5	12 1	0 35	7 43	0 11	21 40	0 27	15 37	1 45	17 11	0 13	17 42	1 36	28 27	16 20	16 12	16 32	20 7			n.a.
M16	7 5	8 43	2 25	1 7	1 21	11 43	0 40	8 1	0 10	21 40	0 27	15 36	1 45	17 11	0 13	17 42	1 36	28 27	16 20	16 10	16 31	20 6			n.a.
T 17	7 28	12 32	1 20	0 40	1 36	11 24	0 45	8 18	0 9	21 39	0 27	15 34	1 45	17 10	0 13	17 41	1 36	28 27	16 20	16 10	16 30	20 5			n.a.
W18	7 51	15 42	0 12	0 20	1 48	11 5	0 50	8 34	0 9	21 39	0 26	15 33	1 45	17 10	0 13	17 41	1 36	28 27	16 19	16 10	16 29	20 5			n.a.
T 19	8 14	18 5	0n56	0 6	1 58	10 46	0 54	8 51	0 8	21 39	0 26	15 31	1 45	17 9	0 13	17 41	1 36	28 27	16 19	16 10	16 28	20 4			n.a.
F 20	8 38	19 37	2 0	0n 2	2 7	10 26	0 59	9 8	0 7	21 38	0 26	15 30	1 46	17 8	0 13	17 40	1 36	28 27	16 19	16 10	16 27	20 4			n.a.
S 21	9 0	20 14	2 58	0 4	2 14	10 5	1 3	9 25	0 7	21 38	0 26	15 28	1 46	17 8	0 13	17 40	1 36	28 27	16 19	16 11	16 26	20 3			n.a.
S 22	9 23	19 57	3 48	0 0	2 19	9 45	1 7	9 42	0 6	21 37	0 26	15 27	1 46	17 7	0 13	17 40	1 36	28 27	16 18	16 11	16 25	20 2			n.a.
M23	9 46	18 47	4 28	0s 8	2 23	9 23	1 11	9 58	0 6	21 37	0 26	15 25	1 46	17 7	0 13	17 39	1 36	28 27	16 18	16 11	16 24	20 2			n.a.
T 24	10 8	16 47	4 57	0 21	2 25	9 2	1 15	10 15	0 5	21 36	0 26	15 24	1 46	17 6	0 13	17 39	1 36	28 27	16 18	16 12	16 23	20 1			n.a.
W25	10 31	14 3	5 13	0 38	2 26	8 40	1 19	10 32	0 4	21 35	0 26	15 23	1 47	17 5	0 13	17 39	1 36	28 27	16 17	16 12	16 22	20 0			n.a.
T 26	10 53	10 41	5 16	0 59	2 26	8 17	1 23	10 48	0 4	21 35	0 26	15 21	1 47	17 5	0 13	17 38	1 36	28 26	16 17	16 11	16 21	20 0			n.a.
F 27	11 15	6 45	5 3	1 23	2 25	7 55	1 26	11 5	0 3	21 34	0 26	15 20	1 47	17 4	0 13	17 38	1 36	28 26	16 17	16 11	16 20	19 59			n.a.
S 28	11 36	2 25	4 36	1 49	2 23	7 32	1 30	11 21	0 2	21 33	0 26	15 19	1 47	17 3	0 13	17 37	1 36	28 26	16 16	16 10	16 19	19 58			n.a.
S 29	11 58	2n10	3 53	2 18	2 20	7 8	1 33	11 37	0 2	21 33	0 26	15 17	1 48	17 3	0 13	17 37	1 36	28 26	16 16	16 10	16 19	19 58			n.a.
M30	12 20	6 46	2 55	2 49	2 17	6 45	1 36	11 53	0 1	21 32	0 26	15 16	1 48	17 2	0 13	17 37	1 36	28 26	16 16	16 9	16 18	19 57			n.a.
T 31	12s41	11n 9	1n46	3s21	2n13	6n21	1n39	12s 9	0n 0	21n31	0s25	15n15	1n48	17n 1	0s13	17n36	1s36	28s26	16s15	16s 9	16s17	19s56			n.a.

Julian Day Number = 1572674.5, Delta T = 04h16m38s
Ecliptic obliquity = 23°44'35, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'47, Lahiri = - 9°34'46 Julian Calendar 1 Oct. 408 BCE == Greg. Calendar 26 Sept. 408 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

NOVEMBER 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 19 55	4♏ 2'57	8♉35	14♎45	19♍ 5	2♏17	8°R 1	24♌28	17°R19	24°R35	25°R20	13°D41	14♏ 4	1♑40	n.a.	W 1
T 2	2 23 52	5° 3'58	23° 8	16° 3	20°13	3° 1	7♊56	24°32	17♉17	24♉33	25♒20	13♏41	14° 1	1°46	n.a.	T 2
F 3	2 27 48	6° 5'00	7♊47	17°23	21°22	3°45	7°50	24°36	17°14	24°32	25°20	13°41	13°57	1°53	n.a.	F 3
S 4	2 31 45	7° 6'03	22°27	18°45	22°30	4°30	7°44	24°40	17°12	24°30	25°19	13°42	13°54	2° 0	n.a.	S 4
S 5	2 35 41	8° 7'07	7♋ 1	20° 9	23°39	5°14	7°38	24°44	17° 9	24°28	25°19	13°42	13°51	2° 6	n.a.	S 5
M 6	2 39 38	9° 8'13	21°25	21°34	24°48	5°58	7°31	24°47	17° 7	24°27	25°19	13°43	13°48	2°13	n.a.	M 6
T 7	2 43 34	10° 9'20	5♌35	22°59	25°57	6°42	7°25	24°51	17° 4	24°25	25°19	13°R43	13°45	2°20	n.a.	T 7
W 8	2 47 31	11°10'27	19°30	24°26	27° 7	7°27	7°18	24°54	17° 1	24°24	25°19	13°43	13°42	2°27	n.a.	W 8
T 9	2 51 27	12°11'36	3♍ 9	25°54	28°16	8°11	7°12	24°58	16°59	24°22	25°19	13°43	13°38	2°33	n.a.	T 9
F 10	2 55 24	13°12'46	16°32	27°22	29°26	8°56	7° 5	25° 1	16°56	24°20	25°18	13°D43	13°35	2°40	n.a.	F 10
S 11	2 59 21	14°13'57	29°41	28°51	0♎36	9°40	6°58	25° 4	16°54	24°19	25°18	13°43	13°32	2°47	n.a.	S 11
S 12	3 3 17	15°15'09	12♎35	0♏20	1°46	10°25	6°51	25° 7	16°51	24°17	25°18	13°43	13°29	2°53	n.a.	S 12
M13	3 7 14	16°16'21	25°16	1°50	2°56	11° 9	6°44	25°10	16°49	24°15	25°18	13°43	13°26	3° 0	n.a.	M13
T 14	3 11 10	17°17'34	7♏45	3°20	4° 6	11°54	6°37	25°13	16°46	24°14	25°D18	13°R43	13°23	3° 7	n.a.	T 14
W15	3 15 7	18°18'48	20° 4	4°51	5°16	12°39	6°29	25°16	16°44	24°12	25°18	13°43	13°19	3°13	n.a.	W15
T 16	3 19 3	19°20'03	2♐12	6°22	6°27	13°23	6°22	25°18	16°41	24°10	25°18	13°43	13°16	3°20	n.a.	T 16
F 17	3 23 0	20°21'18	14°12	7°53	7°38	14° 8	6°14	25°21	16°38	24° 8	25°18	13°42	13°13	3°27	n.a.	F 17
S 18	3 26 56	21°22'33	26° 6	9°24	8°49	14°53	6° 7	25°23	16°36	24° 7	25°18	13°41	13°10	3°33	n.a.	S 18
S 19	3 30 53	22°23'49	7♑56	10°56	9°59	15°38	5°59	25°26	16°33	24° 5	25°18	13°40	13° 7	3°40	n.a.	S 19
M20	3 34 50	23°25'04	19°46	12°28	11°10	16°23	5°51	25°28	16°31	24° 3	25°19	13°39	13° 3	3°47	n.a.	M20
T 21	3 38 46	24°26'20	1♒38	14° 0	12°22	17° 8	5°43	25°30	16°28	24° 2	25°19	13°37	13° 0	3°54	n.a.	T 21
W22	3 42 43	25°27'36	13°38	15°32	13°33	17°53	5°35	25°32	16°26	24° 0	25°19	13°36	12°57	4° 0	n.a.	W22
T 23	3 46 39	26°28'52	25°49	17° 5	14°44	18°38	5°28	25°34	16°23	23°58	25°19	13°D36	12°54	4° 7	n.a.	T 23
F 24	3 50 36	27°30'08	8♓17	18°38	15°56	19°23	5°20	25°36	16°21	23°57	25°19	13°36	12°51	4°14	n.a.	F 24
S 25	3 54 32	28°31'23	21° 5	20°11	17° 7	20° 8	5°12	25°37	16°18	23°55	25°20	13°37	12°48	4°20	n.a.	S 25
S 26	3 58 29	29°32'39	4♈17	21°44	18°19	20°53	5° 3	25°39	16°16	23°53	25°20	13°39	12°44	4°27	n.a.	S 26
M27	4 2 26	0♗33'54	17°55	23°18	19°30	21°38	4°55	25°41	16°13	23°51	25°20	13°40	12°41	4°34	n.a.	M27
T 28	4 6 22	1°35'09	2♉ 0	24°52	20°42	22°24	4°47	25°42	16°11	23°50	25°20	13°41	12°38	4°40	n.a.	T 28
W29	4 10 19	2°36'24	16°31	26°26	21°54	23° 9	4°39	25°43	16° 8	23°48	25°21	13°R41	12°35	4°47	n.a.	W29
T 30	4 14 15	3♗37'39	1♊21	28♏ 1	23♎ 6	23♏54	4♊31	25♌45	16♉ 6	23♉46	25♒21	13♏40	12♏32	4♑54	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	13s 2	14n59	0n28	3s55	2n 8	5n56	1n42	12s25	0s 0	21n30	0s25	15n14	1n48	17n 0	0s13	17n36	1s36	28s26	16s15	16s 9	16s16	19s56		n.a.
T 2	13 22	17 57	0s52	4 30	2 3	5 32	1 45	12 41	0 1	21 30	0 25	15 13	1 49	17 0	0 13	17 35	1 36	28 25	16 15	16 9	16 15	19 55		n.a.
F 3	13 43	19 45	2 10	5 6	1 58	5 7	1 48	12 57	0 1	21 29	0 25	15 12	1 49	16 59	0 13	17 35	1 36	28 25	16 14	16 9	16 14	19 54		n.a.
S 4	14 3	20 13	3 19	5 43	1 52	4 42	1 50	13 13	0 2	21 28	0 25	15 11	1 49	16 58	0 13	17 35	1 36	28 25	16 14	16 9	16 13	19 54		n.a.
S 5	14 23	19 19	4 15	6 20	1 46	4 17	1 53	13 28	0 3	21 27	0 25	15 9	1 49	16 58	0 13	17 34	1 36	28 25	16 14	16 9	16 12	19 53		n.a.
M 6	14 43	17 10	4 54	6 58	1 40	3 51	1 55	13 44	0 3	21 26	0 25	15 8	1 49	16 57	0 13	17 34	1 36	28 24	16 13	16 9	16 11	19 52		n.a.
T 7	15 3	14 2	5 15	7 36	1 34	3 25	1 57	13 59	0 4	21 25	0 25	15 7	1 50	16 56	0 13	17 33	1 36	28 24	16 13	16 9	16 10	19 52		n.a.
W 8	15 22	10 9	5 16	8 14	1 27	2 59	1 59	14 15	0 5	21 24	0 25	15 7	1 50	16 55	0 13	17 33	1 36	28 24	16 13	16 9	16 9	19 51		n.a.
T 9	15 41	5 49	5 0	8 53	1 20	2 33	2 1	14 30	0 5	21 23	0 25	15 6	1 50	16 55	0 13	17 33	1 36	28 24	16 12	16 9	16 8	19 50		n.a.
F 10	16 0	1 17	4 27	9 31	1 14	2 6	2 3	14 45	0 6	21 22	0 24	15 5	1 50	16 54	0 13	17 32	1 36	28 23	16 12	16 9	16 7	19 49		n.a.
S 11	16 19	3s15	3 41	10 10	1 7	1 40	2 5	15 0	0 7	21 21	0 24	15 4	1 51	16 53	0 13	17 32	1 36	28 23	16 12	16 9	16 6	19 49		n.a.
S 12	16 37	7 33	2 45	10 48	1 0	1 13	2 6	15 15	0 7	21 20	0 24	15 3	1 51	16 53	0 13	17 31	1 36	28 23	16 11	16 9	16 5	19 48		n.a.
M13	16 55	11 27	1 41	11 26	0 53	0 46	2 8	15 29	0 8	21 19	0 24	15 2	1 51	16 52	0 13	17 31	1 36	28 22	16 11	16 9	16 4	19 47		n.a.
T 14	17 13	14 48	0 33	12 4	0 46	0 19	2 9	15 44	0 9	21 18	0 24	15 2	1 51	16 51	0 13	17 31	1 36	28 22	16 11	16 9	16 3	19 47		n.a.
W15	17 30	17 25	0n35	12 42	0 39	0s 8	2 10	15 59	0 9	21 16	0 24	15 1	1 52	16 50	0 13	17 30	1 36	28 22	16 10	16 9	16 2	19 46		n.a.
T 16	17 47	19 13	1 41	13 19	0 32	0 35	2 11	16 13	0 10	21 15	0 24	15 0	1 52	16 50	0 13	17 30	1 36	28 22	16 10	16 9	16 1	19 45		n.a.
F 17	18 4	20 7	2 41	13 56	0 24	1 3	2 12	16 27	0 11	21 14	0 24	15 0	1 52	16 49	0 13	17 29	1 36	28 21	16 10	16 9	16 0	19 44		n.a.
S 18	18 20	20 7	3 34	14 32	0 17	1 30	2 13	16 41	0 11	21 13	0 23	14 59	1 53	16 48	0 13	17 29	1 36	28 21	16 9	16 9	15 59	19 44		n.a.
S 19	18 36	19 13	4 18	15 8	0 10	1 57	2 14	16 55	0 12	21 12	0 23	14 58	1 53	16 47	0 13	17 28	1 36	28 20	16 9	16 8	15 58	19 43		n.a.
M20	18 52	17 29	4 50	15 43	0 4	2 25	2 14	17 9	0 13	21 10	0 23	14 58	1 53	16 47	0 13	17 28	1 36	28 20	16 9	16 8	15 57	19 42		n.a.
T 21	19 7	15 1	5 10	16 18	0s 3	2 53	2 15	17 22	0 13	21 9	0 23	14 57	1 53	16 46	0 13	17 28	1 36	28 20	16 8	16 8	15 56	19 41		n.a.
W22	19 22	11 53	5 17	16 52	0 10	3 20	2 15	17 36	0 14	21 8	0 23	14 57	1 54	16 45	0 13	17 27	1 36	28 19	16 8	16 7	15 55	19 41		n.a.
T 23	19 37	8 13	5 10	17 25	0 17	3 48	2 16	17 49	0 15	21 7	0 23	14 57	1 54	16 45	0 13	17 27	1 36	28 19	16 8	16 7	15 54	19 40		n.a.
F 24	19 51	4 7	4 48	17 58	0 23	4 15	2 16	18 2	0 15	21 5	0 23	14 56	1 54	16 44	0 13	17 26	1 36	28 19	16 7	16 7	15 53	19 39		n.a.
S 25	20 5	0n16	4 12	18 30	0 30	4 43	2 16	18 15	0 16	21 4	0 23	14 56	1 54	16 43	0 13	17 26	1 36	28 18	16 7	16 8	15 52	19 38		n.a.
S 26	20 18	4 47	3 21	19 1	0 36	5 11	2 16	18 28	0 16	21 3	0 22	14 56	1 55	16 42	0 13	17 26	1 36	28 18	16 6	16 8	15 51	19 38		n.a.
M27	20 32	9 14	2 18	19 31	0 42	5 38	2 16	18 41	0 17	21 1	0 22	14 55	1 55	16 42	0 13	17 25	1 36	28 17	16 6	16 8	15 50	19 37		n.a.
T 28	20 44	13 19	1 4	20 0	0 48	6 6	2 15	18 53	0 18	21 0	0 22	14 55	1 55	16 41	0 13	17 25	1 36	28 17	16 6	16 9	15 50	19 36		n.a.
W29	20 57	16 44	0s16	20 29	0 54	6 33	2 15	19 6	0 18	20 59	0 22	14 55	1 55	16 40	0 13	17 24	1 36	28 16	16 5	16 9	15 49	19 35		n.a.
T 30	21s 9	19n 8	1s36	20s57	1s 0	7s 1	2n15	19s18	0s19	20n57	0s22	14n55	1n56	16n40	0s13	17n24	1s36	28s16	16s 5	16s 9	15s48	19s34		n.a.

Julian Day Number = 1572705.5, Delta T = 04h16m37s
Ecliptic obliquity = 23°44'34, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'42, Lahiri = - 9°34'42 Julian Calendar 1 Nov. 408 BCE == Greg. Calendar 27 Oct. 408 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 408 BCE
geocentric

DECEMBER 408 BCE (-407) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 18 12	4♐38'54	16♊25	29♏35	24♎18	24♏40	4°R23	25♌46	16°R 4	23°R45	25♒22	13°R39	12♏29	5♑ 0	n.a.	F 1
S 2	4 22 8	5°40'09	1♋31	1♐11	25°30	25°25	4♊15	25°47	16♉ 1	23♉43	25°22	13♏36	12°25	5° 7	n.a.	S 2
S 3	4 26 5	6°41'24	16°32	2°46	26°43	26°11	4° 7	25°48	15°59	23°41	25°22	13°33	12°22	5°14	n.a.	S 3
M 4	4 30 1	7°42'39	1♌19	4°22	27°55	26°56	3°59	25°48	15°57	23°40	25°23	13°29	12°19	5°21	n.a.	M 4
T 5	4 33 58	8°43'54	15°46	5°58	29° 7	27°42	3°51	25°49	15°54	23°38	25°23	13°27	12°16	5°27	n.a.	T 5
W 6	4 37 55	9°45'09	29°49	7°35	0♏20	28°27	3°42	25°50	15°52	23°36	25°24	13°25	12°13	5°34	n.a.	W 6
T 7	4 41 51	10°46'23	13♍27	9°12	1°32	29°13	3°34	25°50	15°50	23°35	25°24	13°D25	12° 9	5°41	n.a.	T 7
F 8	4 45 48	11°47'38	26°43	10°49	2°45	29°59	3°26	25°50	15°48	23°33	25°25	13°26	12° 6	5°47	n.a.	F 8
S 9	4 49 44	12°48'53	9♎38	12°27	3°58	0♐44	3°19	25°51	15°45	23°32	25°26	13°27	12° 3	5°54	n.a.	S 9
S 10	4 53 41	13°50'07	22°15	14° 5	5°10	1°30	3°11	25°51	15°43	23°30	25°26	13°29	12° 0	6° 1	n.a.	S 10
M11	4 57 37	14°51'22	4♏39	15°44	6°23	2°16	3° 3	25°R51	15°41	23°28	25°27	13°30	11°57	6° 7	n.a.	M11
T 12	5 1 34	15°52'35	16°52	17°23	7°36	3° 2	2°55	25°51	15°39	23°27	25°27	13°R31	11°54	6°14	n.a.	T 12
W13	5 5 30	16°53'49	28°56	19° 3	8°49	3°47	2°47	25°50	15°37	23°25	25°28	13°29	11°50	6°21	n.a.	W13
T 14	5 9 27	17°55'02	10♐54	20°43	10° 2	4°33	2°40	25°50	15°35	23°24	25°29	13°26	11°47	6°28	n.a.	T 14
F 15	5 13 24	18°56'15	22°48	22°24	11°15	5°19	2°32	25°50	15°33	23°22	25°29	13°21	11°44	6°34	n.a.	F 15
S 16	5 17 20	19°57'26	4♑39	24° 5	12°28	6° 5	2°25	25°49	15°31	23°21	25°30	13°15	11°41	6°41	n.a.	S 16
S 17	5 21 17	20°58'37	16°30	25°47	13°41	6°51	2°17	25°48	15°29	23°19	25°31	13° 8	11°38	6°48	n.a.	S 17
M18	5 25 13	21°59'48	28°21	27°29	14°54	7°37	2°10	25°48	15°27	23°18	25°32	13° 0	11°35	6°54	n.a.	M18
T 19	5 29 10	23° 0'57	10♒16	29°11	16° 7	8°23	2° 3	25°47	15°25	23°16	25°33	12°53	11°31	7° 1	n.a.	T 19
W20	5 33 6	24° 2'05	22°16	0♑54	17°20	9° 9	1°56	25°46	15°23	23°15	25°33	12°47	11°28	7° 8	n.a.	W20
T 21	5 37 3	25° 3'12	4♓26	2°37	18°33	9°55	1°49	25°45	15°21	23°14	25°34	12°42	11°25	7°14	n.a.	T 21
F 22	5 41 0	26° 4'18	16°50	4°21	19°46	10°42	1°42	25°44	15°20	23°12	25°35	12°40	11°22	7°21	n.a.	F 22
S 23	5 44 56	27° 5'23	29°30	6° 5	21° 0	11°28	1°35	25°42	15°18	23°11	25°36	12°D40	11°19	7°28	n.a.	S 23
S 24	5 48 53	28° 6'26	12♈33	7°48	22°13	12°14	1°29	25°41	15°16	23°10	25°37	12°40	11°15	7°35	n.a.	S 24
M25	5 52 49	29° 7'28	26° 1	9°32	23°26	13° 0	1°22	25°40	15°14	23° 8	25°38	12°42	11°12	7°41	n.a.	M25
T 26	5 56 46	0♑ 8'29	9♉57	11°16	24°39	13°46	1°16	25°38	15°13	23° 7	25°39	12°R43	11° 9	7°48	n.a.	T 26
W27	6 0 42	1° 9'28	24°21	12°59	25°53	14°33	1°10	25°36	15°11	23° 6	25°40	12°42	11° 6	7°55	n.a.	W27
T 28	6 4 39	2°10'27	9♊10	14°42	27° 6	15°19	1° 4	25°34	15°10	23° 4	25°41	12°39	11° 3	8° 1	n.a.	T 28
F 29	6 8 35	3°11'24	24°19	16°24	28°20	16° 5	0°58	25°33	15° 8	23° 3	25°42	12°34	11° 0	8° 8	n.a.	F 29
S 30	6 12 32	4°12'20	9♋39	18° 6	29°33	16°52	0°52	25°31	15° 7	23° 2	25°43	12°27	10°56	8°15	n.a.	S 30
S 31	6 16 29	5♑13'14	24♋58	19♑46	0♐46	17♐38	0♊47	25♌29	15♉ 5	23♉ 1	25♒44	12♏19	10♏53	8♑21	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21 s20	20n12	2s51	21s23	1s 6	7s28	2n14	19s30	0s20	20n56	0s22	14n55	1n56	16n39	0s13	17n24	1s36	28s15	16s 5	16s 8	15s47	19s34		n.a.
S 2	21 31	19 50	3 54	21 49	1 11	7 55	2 13	19 41	0 20	20 55	0 21	14 54	1 56	16 38	0 13	17 23	1 36	28 15	16 4	16 7	15 46	19 33		n.a.
S 3	21 42	18 4	4 41	22 13	1 16	8 22	2 13	19 53	0 21	20 53	0 21	14 54	1 57	16 38	0 13	17 23	1 36	28 14	16 4	16 6	15 45	19 32		n.a.
M 4	21 52	15 7	5 8	22 37	1 21	8 49	2 12	20 4	0 22	20 52	0 21	14 54	1 57	16 37	0 13	17 22	1 36	28 14	16 4	16 5	15 44	19 31		n.a.
T 5	22 2	11 19	5 14	22 59	1 26	9 16	2 11	20 16	0 22	20 51	0 21	14 54	1 57	16 36	0 13	17 22	1 36	28 14	16 3	16 4	15 43	19 31		n.a.
W 6	22 12	6 58	5 2	23 20	1 31	9 42	2 10	20 26	0 23	20 49	0 21	14 54	1 57	16 36	0 13	17 22	1 36	28 13	16 3	16 4	15 42	19 30		n.a.
T 7	22 21	2 24	4 33	23 40	1 35	10 9	2 9	20 37	0 24	20 48	0 21	14 55	1 58	16 35	0 13	17 21	1 36	28 13	16 3	16 4	15 41	19 29		n.a.
F 8	22 29	2s11	3 49	23 59	1 39	10 35	2 8	20 48	0 24	20 46	0 21	14 55	1 58	16 34	0 13	17 21	1 36	28 12	16 2	16 4	15 40	19 28		n.a.
S 9	22 37	6 33	2 55	24 17	1 43	11 1	2 6	20 58	0 25	20 45	0 20	14 55	1 58	16 34	0 13	17 20	1 36	28 12	16 2	16 5	15 39	19 27		n.a.
S 10	22 45	10 32	1 54	24 33	1 46	11 27	2 5	21 8	0 26	20 44	0 20	14 55	1 58	16 33	0 13	17 20	1 36	28 11	16 2	16 5	15 38	19 26		n.a.
M11	22 52	14 0	0 48	24 47	1 50	11 53	2 4	21 18	0 26	20 42	0 20	14 55	1 59	16 33	0 13	17 20	1 36	28 10	16 1	16 6	15 37	19 26		n.a.
T 12	22 59	16 48	0n18	25 0	1 53	12 18	2 2	21 28	0 27	20 41	0 20	14 56	1 59	16 32	0 13	17 19	1 36	28 10	16 1	16 6	15 36	19 25		n.a.
W13	23 5	18 49	1 23	25 12	1 55	12 43	2 0	21 38	0 28	20 40	0 20	14 56	1 59	16 31	0 13	17 19	1 36	28 9	16 1	16 5	15 35	19 24		n.a.
T 14	23 11	19 59	2 24	25 22	1 58	13 8	1 59	21 47	0 28	20 38	0 20	14 56	1 59	16 31	0 13	17 19	1 36	28 9	16 0	16 4	15 34	19 23		n.a.
F 15	23 16	20 15	3 18	25 31	1 59	13 32	1 57	21 56	0 29	20 37	0 19	14 57	2 0	16 30	0 13	17 18	1 36	28 8	16 0	16 3	15 33	19 22		n.a.
S 16	23 21	19 37	4 3	25 37	2 1	13 57	1 55	22 5	0 29	20 36	0 19	14 57	2 0	16 30	0 13	17 18	1 36	28 8	16 0	16 1	15 32	19 21		n.a.
S 17	23 26	18 7	4 37	25 43	2 2	14 21	1 53	22 13	0 30	20 34	0 19	14 58	2 0	16 29	0 13	17 18	1 36	28 7	15 59	15 59	15 31	19 21		n.a.
M18	23 30	15 52	5 0	25 46	2 3	14 44	1 51	22 22	0 31	20 33	0 19	14 58	2 1	16 28	0 13	17 17	1 36	28 7	15 59	15 56	15 30	19 20		n.a.
T 19	23 33	12 56	5 9	25 48	2 3	15 7	1 49	22 30	0 31	20 32	0 19	14 59	2 1	16 28	0 12	17 17	1 36	28 6	15 59	15 54	15 29	19 19		n.a.
W20	23 36	9 27	5 5	25 47	2 3	15 30	1 47	22 38	0 32	20 31	0 18	14 59	2 1	16 27	0 12	17 17	1 36	28 5	15 59	15 52	15 28	19 18		n.a.
T 21	23 39	5 33	4 48	25 45	2 2	15 53	1 45	22 45	0 33	20 29	0 18	15 0	2 1	16 27	0 12	17 16	1 36	28 5	15 58	15 51	15 27	19 17		n.a.
F 22	23 41	1 20	4 17	25 41	2 1	16 15	1 43	22 53	0 33	20 28	0 18	15 1	2 2	16 26	0 12	17 16	1 36	28 4	15 58	15 50	15 26	19 16		n.a.
S 23	23 43	3n 2	3 32	25 35	1 59	16 37	1 41	23 0	0 34	20 27	0 18	15 1	2 2	16 26	0 12	17 16	1 36	28 4	15 58	15 50	15 25	19 16		n.a.
S 24	23 44	7 24	2 36	25 27	1 57	16 58	1 39	23 7	0 35	20 26	0 18	15 2	2 2	16 25	0 12	17 15	1 36	28 3	15 57	15 50	15 24	19 15		n.a.
M25	23 44	11 33	1 29	25 17	1 54	17 19	1 36	23 14	0 35	20 25	0 18	15 3	2 2	16 25	0 12	17 15	1 36	28 3	15 57	15 51	15 23	19 14		n.a.
T 26	23 45	15 13	0 15	25 6	1 51	17 39	1 34	23 20	0 36	20 23	0 17	15 3	2 3	16 24	0 12	17 15	1 35	28 2	15 57	15 51	15 22	19 13		n.a.
W27	23 44	18 5	1s 2	24 52	1 46	18 0	1 31	23 26	0 36	20 22	0 17	15 4	2 3	16 24	0 12	17 15	1 35	28 1	15 57	15 51	15 21	19 12		n.a.
T 28	23 43	19 50	2 18	24 36	1 41	18 19	1 29	23 32	0 37	20 21	0 17	15 5	2 3	16 24	0 12	17 14	1 35	28 1	15 56	15 50	15 20	19 11		n.a.
F 29	23 42	20 13	3 25	24 18	1 36	18 38	1 26	23 38	0 38	20 20	0 17	15 6	2 3	16 23	0 12	17 14	1 35	28 0	15 56	15 48	15 19	19 10		n.a.
S 30	23 40	19 6	4 18	23 59	1 29	18 57	1 24	23 43	0 38	20 19	0 17	15 7	2 4	16 23	0 12	17 14	1 35	27 59	15 56	15 46	15 18	19 9		n.a.
S 31	23 s38	16n37	4s52	23s37	1s22	19s15	1n21	23s48	0s39	20n18	0s17	15n 8	2n 4	16n22	0s12	17n13	1s35	27s59	15s55	15s44	15s17	19s 9		n.a.

Julian Day Number = 1572735.5, Delta T = 04h16m36s
Ecliptic obliquity = 23°44'33, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'38, Lahiri = - 9°34'38 Julian Calendar 1 Dec. 408 BCE == Greg. Calendar 26 Nov. 408 BCE

The year -407 astronomical counting style corresponds to year 408 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

JANUARY 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 20 25	6♑14'08	10♌ 4	21♑24	2♐ 0	18♐24	0°R41	25°R26	15°R 4	23°R 0	25♒45	12°R11	10♏50	8♑28	n.a.	M 1
T 2	6 24 22	7°15'00	24°50	23° 0	3°13	19°11	0♊36	25♌24	15♉ 3	22♉59	25°46	12♏ 3	10°47	8°35	n.a.	T 2
W 3	6 28 18	8°15'51	9♍ 8	24°34	4°27	19°57	0°31	25°22	15° 2	22°57	25°47	11°57	10°44	8°42	n.a.	W 3
T 4	6 32 15	9°16'41	22°56	26° 5	5°41	20°44	0°26	25°19	15° 0	22°56	25°48	11°54	10°41	8°48	n.a.	T 4
F 5	6 36 11	10°17'30	6♎16	27°32	6°54	21°30	0°21	25°17	14°59	22°55	25°49	11°D52	10°37	8°55	n.a.	F 5
S 6	6 40 8	11°18'18	19°10	28°55	8° 8	22°17	0°17	25°14	14°58	22°54	25°50	11°53	10°34	9° 2	n.a.	S 6
S 7	6 44 4	12°19'05	1♏42	0♒13	9°21	23° 3	0°12	25°11	14°57	22°53	25°51	11°53	10°31	9° 8	n.a.	S 7
M 8	6 48 1	13°19'51	13°58	1°26	10°35	23°50	0° 8	25° 9	14°56	22°52	25°52	11°R54	10°28	9°15	n.a.	M 8
T 9	6 51 58	14°20'35	26° 1	2°32	11°49	24°37	0° 4	25° 6	14°55	22°51	25°54	11°53	10°25	9°22	n.a.	T 9
W10	6 55 54	15°21'19	7♐57	3°31	13° 2	25°23	0° 0	25° 3	14°54	22°50	25°55	11°49	10°21	9°28	n.a.	W10
T 11	6 59 51	16°22'00	19°49	4°22	14°16	26°10	29♉57	25° 0	14°53	22°50	25°56	11°43	10°18	9°35	n.a.	T 11
F 12	7 3 47	17°22'41	1♑38	5° 5	15°30	26°57	29°53	24°56	14°52	22°49	25°57	11°34	10°15	9°42	n.a.	F 12
S 13	7 7 44	18°23'19	13°29	5°38	16°43	27°43	29°50	24°53	14°52	22°48	25°59	11°22	10°12	9°49	n.a.	S 13
S 14	7 11 40	19°23'57	25°21	6° 2	17°57	28°30	29°47	24°50	14°51	22°47	26° 0	11° 9	10° 9	9°55	n.a.	S 14
M15	7 15 37	20°24'32	7♒17	6°15	19°11	29°17	29°44	24°46	14°50	22°46	26° 1	10°56	10° 6	10° 2	n.a.	M15
T 16	7 19 33	21°25'06	19°18	6°R19	20°24	0♑ 3	29°41	24°43	14°50	22°46	26° 2	10°42	10° 2	10° 9	n.a.	T 16
W17	7 23 30	22°25'38	1♓26	6°12	21°38	0°50	29°39	24°39	14°49	22°45	26° 4	10°31	9°59	10°15	n.a.	W17
T 18	7 27 27	23°26'08	13°41	5°54	22°52	1°37	29°36	24°36	14°49	22°44	26° 5	10°22	9°56	10°22	n.a.	T 18
F 19	7 31 23	24°26'35	26° 7	5°27	24° 6	2°24	29°34	24°32	14°48	22°44	26° 6	10°16	9°53	10°29	n.a.	F 19
S 20	7 35 20	25°27'01	8♈48	4°51	25°19	3°10	29°32	24°28	14°48	22°43	26° 8	10°13	9°50	10°36	n.a.	S 20
S 21	7 39 16	26°27'25	21°45	4° 7	26°33	3°57	29°30	24°25	14°47	22°42	26° 9	10°D12	9°46	10°42	n.a.	S 21
M22	7 43 13	27°27'47	5♉ 4	3°15	27°47	4°44	29°29	24°21	14°47	22°42	26°10	10°R12	9°43	10°49	n.a.	M22
T 23	7 47 9	28°28'07	18°48	2°18	29° 1	5°31	29°27	24°17	14°47	22°41	26°12	10°12	9°40	10°56	n.a.	T 23
W24	7 51 6	29°28'24	2♊57	1°17	0♑14	6°18	29°26	24°13	14°47	22°41	26°13	10°10	9°37	11° 2	n.a.	W24
T 25	7 55 2	0♒28'40	17°32	0°13	1°28	7° 4	29°25	24° 9	14°46	22°40	26°14	10° 6	9°34	11° 9	n.a.	T 25
F 26	7 58 59	1°28'53	2♋29	29♑ 9	2°42	7°51	29°25	24° 5	14°46	22°40	26°16	9°59	9°31	11°16	n.a.	F 26
S 27	8 2 56	2°29'04	17°41	28° 5	3°56	8°38	29°24	24° 0	14°D46	22°40	26°17	9°50	9°27	11°22	n.a.	S 27
S 28	8 6 52	3°29'14	2♌57	27° 3	5° 9	9°25	29°24	23°56	14°46	22°39	26°19	9°39	9°24	11°29	n.a.	S 28
M29	8 10 49	4°29'21	18° 8	26° 4	6°23	10°12	29°D24	23°52	14°46	22°39	26°20	9°27	9°21	11°36	n.a.	M29
T 30	8 14 45	5°29'26	3♍ 1	25°10	7°37	10°59	29°24	23°48	14°47	22°39	26°21	9°17	9°18	11°43	n.a.	T 30
W31	8 18 42	6♒29'29	17♍29	24♑21	8♑51	11♑46	29♉24	23♌43	14♉47	22♉39	26♒23	9♏ 8	9♏15	11♑49	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	23s36	13n 2	5s 6	23s14	1s14	19s33	1n18	23s53	0s40	20n17	0s16	15n 9	2n 4	16n22	0s12	17n13	1s35	27s58	15s55	15s41	15s16	19s 8		n.a.	M 1
T 2	23 32	8 43	4 59	22 49	1 5	19 50	1 16	23 58	0 40	20 16	0 16	15 10	2 4	16 22	0 12	17 13	1 35	27 58	15 55	15 39	15 15	19 7		n.a.	T 2
W 3	23 29	4 2	4 33	22 23	0 55	20 6	1 13	24 2	0 41	20 15	0 16	15 11	2 5	16 21	0 12	17 13	1 35	27 57	15 55	15 37	15 14	19 6		n.a.	W 3
T 4	23 25	0s42	3 51	21 56	0 45	20 22	1 10	24 6	0 41	20 15	0 16	15 12	2 5	16 21	0 12	17 13	1 35	27 56	15 54	15 36	15 13	19 5		n.a.	T 4
F 5	23 20	5 15	2 59	21 28	0 33	20 38	1 8	24 10	0 42	20 14	0 16	15 13	2 5	16 21	0 12	17 12	1 35	27 56	15 54	15 35	15 12	19 4		n.a.	F 5
S 6	23 15	9 25	1 59	20 59	0 21	20 53	1 5	24 13	0 43	20 13	0 15	15 14	2 5	16 20	0 12	17 12	1 35	27 55	15 54	15 35	15 11	19 3		n.a.	S 6
S 7	23 10	13 4	0 54	20 29	0 8	21 7	1 2	24 17	0 43	20 12	0 15	15 15	2 6	16 20	0 12	17 12	1 35	27 54	15 54	15 36	15 10	19 2		n.a.	S 7
M 8	23 4	16 3	0n11	19 59	0n 6	21 21	0 59	24 19	0 44	20 11	0 15	15 16	2 6	16 20	0 12	17 12	1 35	27 54	15 54	15 36	15 9	19 1		n.a.	M 8
T 9	22 58	18 18	1 15	19 30	0 21	21 34	0 56	24 22	0 44	20 11	0 15	15 18	2 6	16 19	0 12	17 12	1 35	27 53	15 53	15 35	15 8	19 0		n.a.	T 9
W10	22 51	19 42	2 14	19 1	0 36	21 46	0 53	24 25	0 45	20 10	0 15	15 19	2 6	16 19	0 12	17 11	1 35	27 53	15 53	15 34	15 7	18 59		n.a.	W10
T 11	22 43	20 14	3 8	18 34	0 52	21 58	0 50	24 27	0 45	20 10	0 15	15 20	2 6	16 19	0 12	17 11	1 35	27 52	15 53	15 32	15 6	18 59		n.a.	T 11
F 12	22 36	19 52	3 52	18 7	1 9	22 9	0 47	24 28	0 46	20 9	0 14	15 21	2 7	16 19	0 12	17 11	1 35	27 51	15 53	15 30	15 5	18 58		n.a.	F 12
S 13	22 28	18 37	4 27	17 43	1 26	22 20	0 45	24 30	0 47	20 8	0 14	15 23	2 7	16 18	0 12	17 11	1 35	27 51	15 52	15 26	15 4	18 57		n.a.	S 13
S 14	22 19	16 35	4 50	17 21	1 43	22 30	0 42	24 31	0 47	20 8	0 14	15 24	2 7	16 18	0 12	17 11	1 35	27 50	15 52	15 22	15 3	18 56		n.a.	S 14
M15	22 10	13 50	5 1	17 1	1 59	22 39	0 39	24 32	0 48	20 7	0 14	15 25	2 7	16 18	0 12	17 11	1 35	27 49	15 52	15 18	15 2	18 55		n.a.	M15
T 16	22 1	10 30	4 58	16 44	2 16	22 48	0 36	24 33	0 48	20 7	0 14	15 27	2 8	16 18	0 12	17 10	1 34	27 49	15 52	15 13	15 1	18 54		n.a.	T 16
W17	21 51	6 43	4 42	16 30	2 32	22 56	0 33	24 33	0 49	20 7	0 13	15 28	2 8	16 18	0 12	17 10	1 34	27 48	15 52	15 10	15 0	18 53		n.a.	W17
T 18	21 41	2 37	4 13	16 20	2 47	23 3	0 30	24 33	0 49	20 6	0 13	15 30	2 8	16 18	0 12	17 10	1 34	27 47	15 51	15 7	14 59	18 52		n.a.	T 18
F 19	21 30	1n40	3 31	16 13	3 1	23 10	0 27	24 33	0 50	20 6	0 13	15 31	2 8	16 18	0 12	17 10	1 34	27 47	15 51	15 5	14 58	18 51		n.a.	F 19
S 20	21 19	5 57	2 38	16 9	3 14	23 16	0 24	24 33	0 51	20 6	0 13	15 33	2 8	16 17	0 12	17 10	1 34	27 46	15 51	15 4	14 57	18 50		n.a.	S 20
S 21	21 8	10 4	1 36	16 9	3 26	23 21	0 21	24 32	0 51	20 6	0 13	15 34	2 8	16 17	0 12	17 10	1 34	27 46	15 51	15 4	14 56	18 49		n.a.	S 21
M22	20 56	13 48	0 27	16 11	3 35	23 25	0 18	24 31	0 52	20 5	0 13	15 35	2 9	16 17	0 12	17 10	1 34	27 45	15 51	15 4	14 55	18 48		n.a.	M22
T 23	20 44	16 54	0s45	16 17	3 42	23 29	0 15	24 30	0 52	20 5	0 12	15 37	2 9	16 17	0 12	17 10	1 34	27 44	15 51	15 4	14 54	18 47		n.a.	T 23
W24	20 31	19 6	1 57	16 25	3 48	23 32	0 12	24 28	0 53	20 5	0 12	15 39	2 9	16 17	0 12	17 10	1 34	27 44	15 51	15 3	14 53	18 46		n.a.	W24
T 25	20 18	20 6	3 4	16 36	3 51	23 35	0 9	24 26	0 53	20 5	0 12	15 40	2 9	16 17	0 12	17 10	1 34	27 43	15 50	15 2	14 52	18 45		n.a.	T 25
F 26	20 5	19 44	3 59	16 49	3 52	23 36	0 6	24 24	0 54	20 5	0 12	15 42	2 9	16 17	0 12	17 10	1 34	27 42	15 50	15 0	14 51	18 44		n.a.	F 26
S 27	19 51	17 57	4 39	17 3	3 50	23 37	0 4	24 22	0 54	20 5	0 12	15 43	2 10	16 17	0 12	17 10	1 34	27 42	15 50	14 57	14 50	18 43		n.a.	S 27
S 28	19 37	14 54	4 58	17 18	3 47	23 38	0 1	24 19	0 55	20 5	0 11	15 45	2 10	16 17	0 12	17 9	1 34	27 41	15 50	14 53	14 48	18 42		n.a.	S 28
M29	19 23	10 53	4 57	17 35	3 41	23 37	0s 2	24 16	0 55	20 5	0 11	15 46	2 10	16 17	0 12	17 9	1 34	27 40	15 50	14 49	14 47	18 41		n.a.	M29
T 30	19 8	6 15	4 35	17 52	3 34	23 36	0 5	24 13	0 56	20 6	0 11	15 48	2 10	16 17	0 12	17 9	1 34	27 40	15 50	14 46	14 46	18 40		n.a.	T 30
W31	18s53	1n23	3s56	18s 9	3n26	23s34	0s 8	24s 9	0s56	20n 6	0s11	15n49	2n10	16n17	0s12	17n 9	1s34	27s39	15s50	14s43	14s45	18s39		n.a.	W31

Julian Day Number = 1572766.5, Delta T = 04h16m35s
Ecliptic obliquity = 23°44'33, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'34, Lahiri = - 9°34'34 Julian Calendar 1 Jan. 407 BCE == Greg. Calendar 27 Dec. 408 BCE

The year -406 astronomical counting style corresponds to year 407 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

FEBRUARY 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 22 38	7♒29'31	1♎27	23°R39	10♑ 5	12♑32	29♉24	23°R39	14♉47	22°R38	26♒24	9°R 2	9♏12	11♑56	n.a.	T 1
F 2	8 26 35	8°29'31	14°56	23♑ 2	11°18	13°19	29°25	23♌35	14°47	22♉38	26°26	8♏59	9° 8	12° 3	n.a.	F 2
S 3	8 30 31	9°29'29	27°56	22°32	12°32	14° 6	29°26	23°30	14°48	22°38	26°27	8°57	9° 5	12° 9	n.a.	S 3
S 4	8 34 28	10°29'25	10♏31	22° 9	13°46	14°53	29°27	23°26	14°48	22°38	26°29	8°57	9° 2	12°16	n.a.	S 4
M 5	8 38 25	11°29'20	22°48	21°53	15° 0	15°40	29°28	23°21	14°48	22°38	26°30	8°57	8°59	12°23	n.a.	M 5
T 6	8 42 21	12°29'13	4♐50	21°44	16°14	16°27	29°29	23°17	14°49	22°38	26°32	8°55	8°56	12°30	n.a.	T 6
W 7	8 46 18	13°29'04	16°44	21°D41	17°27	17°14	29°31	23°12	14°49	22°D38	26°33	8°52	8°52	12°36	n.a.	W 7
T 8	8 50 14	14°28'53	28°33	21°44	18°41	18° 1	29°33	23° 7	14°50	22°38	26°35	8°45	8°49	12°43	n.a.	T 8
F 9	8 54 11	15°28'41	10♑23	21°53	19°55	18°48	29°35	23° 3	14°51	22°38	26°36	8°36	8°46	12°50	n.a.	F 9
S 10	8 58 7	16°28'26	22°14	22° 8	21° 9	19°35	29°37	22°58	14°51	22°38	26°38	8°24	8°43	12°56	n.a.	S 10
S 11	9 2 4	17°28'09	4♒11	22°28	22°23	20°21	29°39	22°53	14°52	22°38	26°39	8°10	8°40	13° 3	n.a.	S 11
M12	9 6 0	18°27'50	16°15	22°53	23°36	21° 8	29°42	22°49	14°53	22°38	26°41	7°56	8°37	13°10	n.a.	M12
T 13	9 9 57	19°27'30	28°26	23°22	24°50	21°55	29°45	22°44	14°54	22°38	26°42	7°42	8°33	13°17	n.a.	T 13
W14	9 13 54	20°27'06	10♓45	23°56	26° 4	22°42	29°47	22°39	14°55	22°39	26°44	7°30	8°30	13°23	n.a.	W14
T 15	9 17 50	21°26'41	23°13	24°35	27°18	23°29	29°51	22°35	14°56	22°39	26°45	7°20	8°27	13°30	n.a.	T 15
F 16	9 21 47	22°26'13	5♈52	25°17	28°32	24°16	29°54	22°30	14°57	22°39	26°47	7°14	8°24	13°37	n.a.	F 16
S 17	9 25 43	23°25'43	18°42	26° 3	29°45	25° 3	29°57	22°25	14°58	22°40	26°48	7°10	8°21	13°43	n.a.	S 17
S 18	9 29 40	24°25'11	1♉46	26°52	0♒59	25°50	0♊ 1	22°21	14°59	22°40	26°50	7°D 9	8°18	13°50	n.a.	S 18
M19	9 33 36	25°24'36	15° 6	27°45	2°13	26°36	0° 5	22°16	15° 0	22°40	26°51	7° 9	8°14	13°57	n.a.	M19
T 20	9 37 33	26°23'59	28°44	28°40	3°27	27°23	0° 9	22°11	15° 1	22°41	26°53	7°R 9	8°11	14° 3	n.a.	T 20
W21	9 41 29	27°23'20	12♊42	29°39	4°40	28°10	0°13	22° 7	15° 3	22°41	26°54	7° 8	8° 8	14°10	n.a.	W21
T 22	9 45 26	28°22'38	27° 1	0♒40	5°54	28°57	0°17	22° 2	15° 4	22°42	26°56	7° 5	8° 5	14°17	n.a.	T 22
F 23	9 49 22	29°21'53	11♋38	1°44	7° 8	29°44	0°22	21°57	15° 5	22°42	26°57	7° 0	8° 2	14°24	n.a.	F 23
S 24	9 53 19	0♓21'06	26°28	2°50	8°22	0♒30	0°27	21°53	15° 7	22°43	26°59	6°52	7°58	14°30	n.a.	S 24
S 25	9 57 16	1°20'17	11♌25	3°59	9°35	1°17	0°31	21°48	15° 8	22°44	27° 0	6°42	7°55	14°37	n.a.	S 25
M26	10 1 12	2°19'25	26°20	5° 9	10°49	2° 4	0°36	21°44	15°10	22°44	27° 2	6°32	7°52	14°44	n.a.	M26
T 27	10 5 9	3°18'32	11♍ 3	6°22	12° 3	2°51	0°42	21°39	15°11	22°45	27° 3	6°23	7°49	14°50	n.a.	T 27
W28	10 9 5	4♓17'36	25♍26	7♒37	13♒17	3♒37	0♊47	21♌34	15♉13	22♉46	27♒ 5	6♏15	7♏46	14♑57	n.a.	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s38	3s24	3s 4	18s26	3n16	23s32	0s11	24s 5	0s57	20n 6	0s11	15n51	2n10	16n17	0s12	17n 9	1s34	27s39	15s50	14s41	14s44	18s38		n.a.
F 2	18 22	7 51	2 3	18 43	3 5	23 29	0 13	24 1	0 57	20 6	0 11	15 53	2 10	16 18	0 12	17 9	1 33	27 38	15 49	14 40	14 43	18 37		n.a.
S 3	18 6	11 46	0 58	18 59	2 53	23 25	0 16	23 57	0 58	20 7	0 10	15 54	2 11	16 18	0 12	17 9	1 33	27 37	15 49	14 40	14 42	18 36		n.a.
S 4	17 50	15 2	0n 8	19 15	2 41	23 20	0 19	23 52	0 58	20 7	0 10	15 56	2 11	16 18	0 12	17 10	1 33	27 37	15 49	14 40	14 41	18 35		n.a.
M 5	17 33	17 32	1 13	19 31	2 28	23 14	0 21	23 47	0 59	20 8	0 10	15 58	2 11	16 18	0 12	17 10	1 33	27 36	15 49	14 40	14 40	18 34		n.a.
T 6	17 16	19 12	2 12	19 45	2 14	23 8	0 24	23 42	0 59	20 8	0 10	15 59	2 11	16 18	0 12	17 10	1 33	27 36	15 49	14 39	14 39	18 33		n.a.
W 7	16 59	20 0	3 5	19 59	2 1	23 2	0 27	23 36	1 0	20 9	0 10	16 1	2 11	16 18	0 12	17 10	1 33	27 35	15 49	14 38	14 38	18 32		n.a.
T 8	16 42	19 54	3 50	20 12	1 47	22 54	0 29	23 31	1 0	20 9	0 10	16 3	2 11	16 18	0 12	17 10	1 33	27 34	15 49	14 36	14 37	18 31		n.a.
F 9	16 24	18 56	4 25	20 24	1 34	22 46	0 32	23 25	1 1	20 10	0 9	16 4	2 11	16 19	0 12	17 10	1 33	27 34	15 49	14 33	14 36	18 30		n.a.
S 10	16 6	17 8	4 48	20 35	1 21	22 37	0 34	23 18	1 1	20 10	0 9	16 6	2 11	16 19	0 11	17 10	1 33	27 33	15 49	14 29	14 35	18 29		n.a.
S 11	15 48	14 37	4 59	20 44	1 7	22 28	0 37	23 12	1 2	20 11	0 9	16 7	2 11	16 19	0 11	17 10	1 33	27 33	15 49	14 24	14 34	18 28		n.a.
M12	15 29	11 27	4 57	20 53	0 54	22 17	0 39	23 5	1 2	20 12	0 9	16 9	2 11	16 19	0 11	17 10	1 33	27 32	15 49	14 20	14 33	18 27		n.a.
T 13	15 10	7 47	4 41	21 0	0 42	22 6	0 41	22 58	1 3	20 12	0 9	16 11	2 12	16 20	0 11	17 10	1 33	27 31	15 49	14 15	14 32	18 26		n.a.
W14	14 51	3 45	4 12	21 7	0 29	21 55	0 44	22 50	1 3	20 13	0 9	16 12	2 12	16 20	0 11	17 10	1 33	27 31	15 49	14 11	14 31	18 25		n.a.
T 15	14 32	0n29	3 30	21 12	0 17	21 43	0 46	22 43	1 3	20 14	0 9	16 14	2 12	16 20	0 11	17 10	1 33	27 30	15 49	14 8	14 30	18 24		n.a.
F 16	14 13	4 46	2 38	21 16	0 6	21 30	0 48	22 35	1 4	20 15	0 8	16 16	2 12	16 21	0 11	17 11	1 33	27 30	15 49	14 6	14 29	18 23		n.a.
S 17	13 53	8 54	1 36	21 18	0s 6	21 17	0 50	22 27	1 4	20 16	0 8	16 17	2 12	16 21	0 11	17 11	1 33	27 29	15 49	14 5	14 28	18 22		n.a.
S 18	13 33	12 41	0 29	21 19	0 17	21 3	0 52	22 18	1 5	20 17	0 8	16 19	2 12	16 21	0 11	17 11	1 32	27 29	15 49	14 4	14 27	18 21		n.a.
M19	13 13	15 54	0s42	21 19	0 27	20 48	0 54	22 10	1 5	20 18	0 8	16 21	2 12	16 22	0 11	17 11	1 32	27 28	15 49	14 4	14 26	18 20		n.a.
T 20	12 52	18 19	1 52	21 18	0 37	20 33	0 56	22 1	1 6	20 19	0 8	16 22	2 12	16 22	0 11	17 11	1 32	27 27	15 49	14 4	14 24	18 18		n.a.
W21	12 32	19 41	2 57	21 15	0 47	20 17	0 58	21 52	1 6	20 20	0 8	16 24	2 12	16 22	0 11	17 11	1 32	27 27	15 49	14 4	14 24	18 18		n.a.
T 22	12 11	19 50	3 52	21 10	0 56	20 0	1 0	21 43	1 6	20 21	0 7	16 25	2 12	16 23	0 11	17 12	1 32	27 26	15 49	14 3	14 23	18 17		n.a.
F 23	11 50	18 41	4 34	21 5	1 5	19 43	1 2	21 33	1 7	20 22	0 7	16 27	2 12	16 23	0 11	17 12	1 32	27 26	15 49	14 1	14 22	18 16		n.a.
S 24	11 29	16 15	4 58	20 57	1 13	19 26	1 4	21 23	1 7	20 23	0 7	16 28	2 12	16 24	0 11	17 12	1 32	27 25	15 49	13 59	14 21	18 15		n.a.
S 25	11 8	12 44	5 2	20 49	1 21	19 8	1 6	21 13	1 7	20 24	0 7	16 30	2 12	16 24	0 11	17 12	1 32	27 25	15 49	13 56	14 20	18 14		n.a.
M26	10 47	8 26	4 45	20 39	1 28	18 49	1 7	21 3	1 8	20 25	0 7	16 31	2 12	16 25	0 11	17 12	1 32	27 24	15 49	13 52	14 19	18 13		n.a.
T 27	10 25	3 40	4 10	20 27	1 35	18 30	1 9	20 53	1 8	20 27	0 7	16 33	2 12	16 25	0 11	17 13	1 32	27 24	15 49	13 49	14 18	18 12		n.a.
W28	10s 3	1s12	3s19	20s14	1s42	18s10	1s10	20s42	1s 8	20n28	0s 7	16n34	2n12	16n26	0s11	17n13	1s32	27s23	15s49	13s47	14s16	18s11		n.a.

Julian Day Number = 1572797.5, Delta T = 04h16m33s
Ecliptic obliquity = 23°44'33, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'30, Lahiri = - 9°34'29 Julian Calendar 1 Feb. 407 BCE == Greg. Calendar 27 Jan. 407 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

MARCH 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 13 2	5♓16'38	9♎25	8♒54	14♒30	4♒24	0♊52	21°R30	15♉14	22♉46	27♒ 6	6°R10	7♏43	15♑ 4	n.a.	T 1
F 2	10 16 58	6°15'38	22°56	10°13	15°44	5°11	0°58	21♌25	15°16	22°47	27° 8	6♏ 7	7°39	15°11	n.a.	F 2
S 3	10 20 55	7°14'36	6♏ 1	11°34	16°58	5°57	1° 4	21°21	15°18	22°48	27° 9	6°D 6	7°36	15°17	n.a.	S 3
S 4	10 24 51	8°13'32	18°42	12°56	18°12	6°44	1°10	21°17	15°20	22°49	27°11	6° 7	7°33	15°24	n.a.	S 4
M 5	10 28 48	9°12'26	1♐ 3	14°20	19°25	7°31	1°16	21°12	15°21	22°49	27°12	6° 8	7°30	15°31	n.a.	M 5
T 6	10 32 44	10°11'19	13° 8	15°46	20°39	8°17	1°22	21° 8	15°23	22°50	27°14	6°R 8	7°27	15°37	n.a.	T 6
W 7	10 36 41	11°10'10	25° 4	17°14	21°53	9° 4	1°29	21° 4	15°25	22°51	27°15	6° 7	7°24	15°44	n.a.	W 7
T 8	10 40 38	12° 8'59	6♑55	18°43	23° 6	9°51	1°35	20°59	15°27	22°52	27°17	6° 3	7°20	15°51	n.a.	T 8
F 9	10 44 34	13° 7'46	18°46	20°14	24°20	10°37	1°42	20°55	15°29	22°53	27°18	5°58	7°17	15°58	n.a.	F 9
S 10	10 48 31	14° 6'31	0♒41	21°47	25°34	11°24	1°49	20°51	15°31	22°54	27°20	5°51	7°14	16° 4	n.a.	S 10
S 11	10 52 27	15° 5'14	12°43	23°21	26°48	12°10	1°56	20°47	15°33	22°55	27°21	5°42	7°11	16°11	n.a.	S 11
M12	10 56 24	16° 3'56	24°54	24°57	28° 1	12°57	2° 3	20°43	15°36	22°56	27°22	5°32	7° 8	16°18	n.a.	M12
T 13	11 0 20	17° 2'35	7♓16	26°34	29°15	13°43	2°10	20°39	15°38	22°57	27°24	5°23	7° 4	16°24	n.a.	T 13
W14	11 4 17	18° 1'12	19°50	28°14	0♓29	14°30	2°18	20°35	15°40	22°59	27°25	5°15	7° 1	16°31	n.a.	W14
T 15	11 8 13	18°59'47	2♈36	29°54	1°43	15°16	2°25	20°31	15°42	23° 0	27°27	5° 9	6°58	16°38	n.a.	T 15
F 16	11 12 10	19°58'20	15°33	1♓36	2°56	16° 2	2°33	20°28	15°44	23° 1	27°28	5° 5	6°55	16°45	n.a.	F 16
S 17	11 16 7	20°56'51	28°43	3°20	4°10	16°49	2°41	20°24	15°47	23° 2	27°30	5°D 3	6°52	16°51	n.a.	S 17
S 18	11 20 3	21°55'20	12♉ 4	5° 6	5°24	17°35	2°49	20°20	15°49	23° 3	27°31	5° 3	6°49	16°58	n.a.	S 18
M19	11 24 0	22°53'47	25°37	6°53	6°37	18°21	2°57	20°17	15°52	23° 5	27°32	5° 4	6°45	17° 5	n.a.	M19
T 20	11 27 56	23°52'11	9♊23	8°41	7°51	19° 8	3° 5	20°13	15°54	23° 6	27°34	5° 6	6°42	17°11	n.a.	T 20
W21	11 31 53	24°50'33	23°21	10°32	9° 5	19°54	3°14	20°10	15°57	23° 7	27°35	5°R 7	6°39	17°18	n.a.	W21
T 22	11 35 49	25°48'53	7♋32	12°24	10°18	20°40	3°22	20° 6	15°59	23° 9	27°37	5° 6	6°36	17°25	n.a.	T 22
F 23	11 39 46	26°47'11	21°52	14°17	11°32	21°26	3°31	20° 3	16° 2	23°10	27°38	5° 4	6°33	17°32	n.a.	F 23
S 24	11 43 42	27°45'27	6♌20	16°12	12°46	22°12	3°39	20° 0	16° 4	23°12	27°39	5° 0	6°29	17°38	n.a.	S 24
S 25	11 47 39	28°43'40	20°50	18° 9	13°59	22°59	3°48	19°57	16° 7	23°13	27°41	4°55	6°26	17°45	n.a.	S 25
M26	11 51 35	29°41'51	5♍18	20° 8	15°13	23°45	3°57	19°54	16° 9	23°14	27°42	4°50	6°23	17°52	n.a.	M26
T 27	11 55 32	0♈40'00	19°37	22° 8	16°27	24°31	4° 6	19°51	16°12	23°16	27°43	4°45	6°20	17°58	n.a.	T 27
W28	11 59 29	1°38'08	3♎41	24° 9	17°40	25°17	4°15	19°48	16°15	23°17	27°45	4°41	6°17	18° 5	n.a.	W28
T 29	12 3 25	2°36'13	17°26	26°12	18°54	26° 3	4°25	19°45	16°18	23°19	27°46	4°38	6°14	18°12	n.a.	T 29
F 30	12 7 22	3°34'17	0♏50	28°17	20° 7	26°49	4°34	19°42	16°20	23°21	27°47	4°D37	6°10	18°19	n.a.	F 30
S 31	12 11 18	4♈32'19	13♏52	0♈22	21♓21	27♒34	4♊43	19♌39	16♉23	23♉22	27♒48	4♏37	6♏ 7	18♑25	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
T 1	9s42	5s53	2s17	19s59	1s48	17s50	1s12	20s31	1s 9	20n29	0s 6	16n36	2n12	16n26	0s11	17n13	1s32	27s23	15s49	13s45	14s15	18s10			n.a.	T 1
F 2	9 20	10 6	1 10	19 43	1 53	17 29	1 13	20 20	1 9	20 31	0 6	16 37	2 12	16 27	0 11	17 13	1 32	27 22	15 49	13 44	14 14	18 8			n.a.	F 2
S 3	8 58	13 42	0 0	19 25	1 58	17 8	1 15	20 9	1 10	20 32	0 6	16 39	2 12	16 27	0 11	17 14	1 32	27 22	15 49	13 43	14 13	18 7			n.a.	S 3
S 4	8 35	16 32	1n 7	19 6	2 3	16 46	1 16	19 57	1 10	20 33	0 6	16 40	2 12	16 28	0 11	17 14	1 32	27 21	15 49	13 44	14 12	18 6			n.a.	S 4
M 5	8 13	18 31	2 10	18 45	2 7	16 24	1 17	19 45	1 10	20 35	0 6	16 42	2 12	16 28	0 11	17 14	1 32	27 21	15 49	13 44	14 11	18 5			n.a.	M 5
T 6	7 51	19 36	3 5	18 23	2 11	16 2	1 19	19 33	1 10	20 36	0 6	16 43	2 12	16 29	0 11	17 14	1 32	27 20	15 49	13 44	14 10	18 4			n.a.	T 6
W 7	7 28	19 48	3 52	17 59	2 14	15 39	1 20	19 21	1 11	20 38	0 6	16 45	2 12	16 29	0 11	17 15	1 31	27 20	15 49	13 44	14 9	18 3			n.a.	W 7
T 8	7 5	19 6	4 28	17 34	2 16	15 15	1 21	19 9	1 11	20 39	0 5	16 46	2 12	16 30	0 11	17 15	1 31	27 19	15 49	13 43	14 8	18 2			n.a.	T 8
F 9	6 43	17 35	4 53	17 6	2 18	14 52	1 22	18 56	1 11	20 41	0 5	16 47	2 12	16 31	0 11	17 15	1 31	27 19	15 50	13 41	14 7	18 1			n.a.	F 9
S 10	6 20	15 18	5 5	16 38	2 20	14 27	1 23	18 44	1 12	20 42	0 5	16 49	2 12	16 31	0 11	17 16	1 31	27 19	15 50	13 38	14 6	18 0			n.a.	S 10
S 11	5 57	12 21	5 4	16 7	2 21	14 3	1 24	18 31	1 12	20 44	0 5	16 50	2 12	16 32	0 11	17 16	1 31	27 18	15 50	13 35	14 5	17 59			n.a.	S 11
M12	5 34	8 51	4 49	15 36	2 22	13 38	1 24	18 18	1 12	20 45	0 5	16 51	2 12	16 33	0 11	17 16	1 31	27 18	15 50	13 32	14 4	17 58			n.a.	M12
T 13	5 11	4 55	4 21	15 2	2 22	13 12	1 25	18 4	1 12	20 47	0 5	16 52	2 12	16 33	0 11	17 17	1 31	27 17	15 50	13 29	14 3	17 56			n.a.	T 13
W14	4 48	0 43	3 39	14 27	2 22	12 47	1 26	17 51	1 13	20 49	0 5	16 54	2 12	16 34	0 11	17 17	1 31	27 17	15 50	13 26	14 2	17 55			n.a.	W14
T 15	4 24	3n35	2 46	13 51	2 21	12 21	1 26	17 37	1 13	20 50	0 4	16 55	2 12	16 35	0 11	17 17	1 31	27 16	15 50	13 24	14 1	17 54			n.a.	T 15
F 16	4 1	7 47	1 43	13 12	2 20	11 54	1 27	17 23	1 13	20 52	0 4	16 56	2 12	16 35	0 11	17 18	1 31	27 16	15 50	13 23	14 0	17 53			n.a.	F 16
S 17	3 38	11 41	0 34	12 33	2 18	11 28	1 27	17 10	1 13	20 53	0 4	16 57	2 12	16 36	0 11	17 18	1 31	27 16	15 51	13 22	13 59	17 52			n.a.	S 17
S 18	3 15	15 3	0s38	11 51	2 15	11 1	1 28	16 55	1 14	20 55	0 4	16 58	2 12	16 37	0 11	17 18	1 31	27 15	15 51	13 22	13 58	17 51			n.a.	S 18
M19	2 51	17 39	1 49	11 8	2 12	10 33	1 28	16 41	1 14	20 57	0 4	16 59	2 12	16 37	0 11	17 19	1 31	27 15	15 51	13 23	13 57	17 50			n.a.	M19
T 20	2 28	19 15	2 55	10 24	2 9	10 6	1 28	16 27	1 14	20 59	0 4	17 0	2 12	16 38	0 11	17 19	1 31	27 15	15 51	13 23	13 55	17 49			n.a.	T 20
W21	2 4	19 43	3 52	9 38	2 5	9 38	1 29	16 12	1 14	21 0	0 4	17 1	2 12	16 39	0 11	17 20	1 31	27 14	15 51	13 23	13 54	17 47			n.a.	W21
T 22	1 41	18 56	4 35	8 50	2 0	9 10	1 29	15 58	1 14	21 2	0 4	17 2	2 11	16 40	0 11	17 20	1 31	27 14	15 51	13 23	13 53	17 46			n.a.	T 22
F 23	1 18	16 58	5 2	8 1	1 55	8 42	1 29	15 43	1 15	21 4	0 3	17 3	2 11	16 40	0 11	17 20	1 31	27 14	15 52	13 22	13 52	17 45			n.a.	F 23
S 24	0 54	13 55	5 10	7 11	1 49	8 13	1 29	15 28	1 15	21 6	0 3	17 4	2 11	16 41	0 11	17 21	1 31	27 13	15 52	13 21	13 51	17 44			n.a.	S 24
S 25	0 31	10 1	4 59	6 19	1 43	7 44	1 29	15 13	1 15	21 8	0 3	17 5	2 11	16 42	0 11	17 21	1 31	27 13	15 52	13 19	13 50	17 43			n.a.	S 25
M26	0 7	5 32	4 28	5 26	1 36	7 15	1 29	14 57	1 15	21 9	0 3	17 6	2 11	16 43	0 11	17 22	1 30	27 13	15 52	13 18	13 49	17 42			n.a.	M26
T 27	0n16	0 47	3 41	4 31	1 29	6 46	1 28	14 42	1 15	21 11	0 3	17 7	2 11	16 43	0 11	17 22	1 30	27 12	15 52	13 16	13 48	17 41			n.a.	T 27
W28	0 39	3s56	2 41	3 36	1 21	6 17	1 28	14 26	1 15	21 13	0 3	17 8	2 11	16 44	0 11	17 22	1 30	27 12	15 53	13 15	13 47	17 39			n.a.	W28
T 29	1 3	8 21	1 33	2 39	1 13	5 48	1 28	14 11	1 16	21 15	0 3	17 9	2 11	16 45	0 11	17 23	1 30	27 12	15 53	13 14	13 46	17 38			n.a.	T 29
F 30	1 26	12 14	0 21	1 41	1 5	5 18	1 28	13 55	1 16	21 17	0 3	17 10	2 11	16 46	0 11	17 23	1 30	27 11	15 53	13 13	13 45	17 37			n.a.	F 30
S 31	1n50	15s24	0n50	0s42	0s56	4s48	1s27	13s39	1s16	21n19	0s 2	17n10	2n11	16n47	0s11	17n24	1s30	27s11	15s53	13s13	13s44	17s36			n.a.	S 31

Julian Day Number = 1572825.5, Delta T = 04h16m32s
Ecliptic obliquity = 23°44'33, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'26, Lahiri = - 9°34'26 Julian Calendar 1 March 407 BCE == Greg. Calendar 24 Feb. 407 BCE

The year -406 astronomical counting style corresponds to year 407 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

APRIL 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 15 15	5♈30'20	26♏33	2♈29	22♓35	28♒20	4♊53	19°R37	16♉26	23♉24	27♒50	4♏38	6♏ 4	18♑32	n.a.	S 1
M 2	12 19 11	6°28'19	8♐56	4°37	23°48	29° 6	5° 3	19♌34	16°29	23°25	27°51	4°40	6° 1	18°39	n.a.	M 2
T 3	12 23 8	7°26'16	21° 4	6°46	25° 2	29°52	5°12	19°32	16°32	23°27	27°52	4°41	5°58	18°45	n.a.	T 3
W 4	12 27 4	8°24'13	3♑ 3	8°55	26°16	0♓38	5°22	19°30	16°35	23°29	27°53	4°R42	5°55	18°52	n.a.	W 4
T 5	12 31 1	9°22'07	14°57	11° 5	27°29	1°23	5°32	19°27	16°38	23°30	27°55	4°42	5°51	18°59	n.a.	T 5
F 6	12 34 58	10°20'01	26°49	13°15	28°43	2° 9	5°42	19°25	16°41	23°32	27°56	4°41	5°48	19° 6	n.a.	F 6
S 7	12 38 54	11°17'53	8♒47	15°25	29°56	2°55	5°53	19°23	16°44	23°34	27°57	4°39	5°45	19°12	n.a.	S 7
S 8	12 42 51	12°15'43	20°52	17°35	1♈10	3°40	6° 3	19°21	16°47	23°36	27°58	4°36	5°42	19°19	n.a.	S 8
M 9	12 46 47	13°13'33	3♓ 9	19°44	2°24	4°26	6°13	19°20	16°50	23°37	27°59	4°33	5°39	19°26	n.a.	M 9
T 10	12 50 44	14°11'20	15°40	21°52	3°37	5°11	6°24	19°18	16°53	23°39	28° 0	4°30	5°35	19°33	n.a.	T 10
W11	12 54 40	15° 9'07	28°26	23°59	4°51	5°57	6°34	19°16	16°56	23°41	28° 1	4°27	5°32	19°39	n.a.	W11
T 12	12 58 37	16° 6'52	11♈30	26° 4	6° 5	6°42	6°45	19°15	16°59	23°43	28° 2	4°25	5°29	19°46	n.a.	T 12
F 13	13 2 33	17° 4'35	24°49	28° 8	7°18	7°27	6°56	19°13	17° 2	23°45	28° 4	4°24	5°26	19°53	n.a.	F 13
S 14	13 6 30	18° 2'17	8♉22	0♉ 9	8°32	8°13	7° 6	19°12	17° 6	23°47	28° 5	4°D24	5°23	19°59	n.a.	S 14
S 15	13 10 26	18°59'58	22° 8	2° 9	9°45	8°58	7°17	19°11	17° 9	23°48	28° 6	4°24	5°20	20° 6	n.a.	S 15
M16	13 14 23	19°57'37	6♊ 5	4° 6	10°59	9°43	7°28	19° 9	17°12	23°50	28° 7	4°25	5°16	20°13	n.a.	M16
T 17	13 18 20	20°55'14	20°10	6° 1	12°13	10°28	7°39	19° 8	17°15	23°52	28° 8	4°26	5°13	20°20	n.a.	T 17
W18	13 22 16	21°52'50	4♋20	7°53	13°26	11°13	7°50	19° 7	17°19	23°54	28° 9	4°27	5°10	20°26	n.a.	W18
T 19	13 26 13	22°50'24	18°34	9°42	14°40	11°59	8° 2	19° 7	17°22	23°56	28°10	4°R28	5° 7	20°33	n.a.	T 19
F 20	13 30 9	23°47'57	2♌48	11°28	15°53	12°44	8°13	19° 6	17°25	23°58	28°11	4°28	5° 4	20°40	n.a.	F 20
S 21	13 34 6	24°45'28	17° 0	13°11	17° 7	13°28	8°24	19° 5	17°29	24° 0	28°12	4°27	5° 0	20°46	n.a.	S 21
S 22	13 38 2	25°42'57	1♍ 7	14°52	18°21	14°13	8°36	19° 5	17°32	24° 2	28°12	4°26	4°57	20°53	n.a.	S 22
M23	13 41 59	26°40'25	15° 8	16°29	19°34	14°58	8°47	19° 4	17°35	24° 4	28°13	4°25	4°54	21° 0	n.a.	M23
T 24	13 45 55	27°37'51	28°58	18° 3	20°48	15°43	8°59	19° 4	17°39	24° 6	28°14	4°24	4°51	21° 7	n.a.	T 24
W25	13 49 52	28°35'16	12♎36	19°34	22° 1	16°28	9°10	19° 3	17°42	24° 8	28°15	4°24	4°48	21°13	n.a.	W25
T 26	13 53 49	29°32'40	25°58	21° 2	23°15	17°12	9°22	19° 3	17°45	24°10	28°16	4°23	4°45	21°20	n.a.	T 26
F 27	13 57 45	0♉30'03	9♏ 5	22°26	24°28	17°57	9°34	19°D 3	17°49	24°12	28°17	4°D23	4°41	21°27	n.a.	F 27
S 28	14 1 42	1°27'25	21°56	23°47	25°42	18°42	9°46	19° 3	17°52	24°15	28°18	4°24	4°38	21°33	n.a.	S 28
S 29	14 5 38	2°24'46	4♐30	25° 5	26°56	19°26	9°58	19° 3	17°56	24°17	28°18	4°24	4°35	21°40	n.a.	S 29
M30	14 9 35	3♉22'06	16♐50	26♉20	28♈ 9	20♓11	10♊ 9	19♌ 4	17♉59	24♉19	28♒19	4♏24	4♏32	21♑47	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n13	17s44	1n57	0n18	0s46	4s18	1s27	13s23	1s16	21n20	0s 2	17n11	2n11	16n48	0s11	17n24	1s30	27s11	15s53	13s14	13s43	17s35		n.a.
M 2	2 36	19 9	2 57	1 18	0 36	3 48	1 26	13 7	1 16	21 22	0 2	17 12	2 10	16 48	0 11	17 25	1 30	27 11	15 54	13 14	13 42	17 34		n.a.
T 3	2 59	19 39	3 48	2 19	0 26	3 18	1 25	12 51	1 16	21 24	0 2	17 12	2 10	16 49	0 11	17 25	1 30	27 10	15 54	13 15	13 41	17 32		n.a.
W 4	3 22	19 15	4 28	3 20	0 16	2 48	1 25	12 35	1 16	21 26	0 2	17 13	2 10	16 50	0 11	17 26	1 30	27 10	15 54	13 15	13 40	17 31		n.a.
T 5	3 45	18 0	4 56	4 21	0 6	2 18	1 24	12 18	1 16	21 28	0 2	17 14	2 10	16 51	0 11	17 26	1 30	27 10	15 54	13 15	13 38	17 30		n.a.
F 6	4 9	15 58	5 11	5 22	0n 5	1 47	1 23	12 2	1 16	21 30	0 2	17 14	2 10	16 52	0 11	17 27	1 30	27 10	15 55	13 15	13 37	17 29		n.a.
S 7	4 31	13 15	5 13	6 23	0 16	1 17	1 22	11 45	1 16	21 32	0 2	17 15	2 10	16 53	0 11	17 27	1 30	27 10	15 55	13 14	13 36	17 28		n.a.
S 8	4 54	9 58	5 2	7 23	0 26	0 46	1 21	11 28	1 17	21 34	0 2	17 15	2 10	16 54	0 11	17 27	1 30	27 9	15 55	13 13	13 35	17 27		n.a.
M 9	5 17	6 12	4 36	8 23	0 37	0 16	1 20	11 12	1 17	21 36	0 1	17 16	2 10	16 55	0 10	17 28	1 30	27 9	15 55	13 12	13 34	17 25		n.a.
T 10	5 40	2 5	3 57	9 21	0 47	0n15	1 19	10 55	1 17	21 38	0 1	17 16	2 9	16 55	0 10	17 28	1 30	27 9	15 56	13 11	13 33	17 24		n.a.
W11	6 2	2n12	3 5	10 18	0 58	0 45	1 18	10 38	1 17	21 40	0 1	17 16	2 9	16 56	0 10	17 29	1 30	27 9	15 56	13 10	13 32	17 23		n.a.
T 12	6 25	6 29	2 3	11 14	1 7	1 16	1 17	10 21	1 17	21 42	0 1	17 17	2 9	16 57	0 10	17 29	1 30	27 9	15 56	13 9	13 31	17 22		n.a.
F 13	6 47	10 32	0 53	12 8	1 17	1 47	1 16	10 4	1 17	21 44	0 1	17 17	2 9	16 58	0 10	17 30	1 30	27 9	15 56	13 9	13 30	17 21		n.a.
S 14	7 10	14 8	0s22	13 0	1 26	2 17	1 15	9 47	1 17	21 45	0 1	17 17	2 9	16 59	0 10	17 30	1 30	27 8	15 57	13 9	13 29	17 19		n.a.
S 15	7 32	16 59	1 37	13 51	1 34	2 48	1 13	9 29	1 17	21 47	0 1	17 18	2 9	17 0	0 10	17 31	1 30	27 8	15 57	13 9	13 28	17 18		n.a.
M16	7 54	18 52	2 46	14 39	1 42	3 18	1 12	9 12	1 17	21 49	0 1	17 18	2 9	17 1	0 10	17 31	1 30	27 8	15 57	13 9	13 27	17 17		n.a.
T 17	8 16	19 36	3 47	15 25	1 50	3 48	1 10	8 55	1 17	21 51	0 1	17 18	2 8	17 2	0 10	17 32	1 30	27 8	15 58	13 10	13 26	17 16		n.a.
W18	8 38	19 6	4 34	16 9	1 57	4 19	1 9	8 38	1 17	21 53	0 0	17 18	2 8	17 3	0 10	17 32	1 29	27 8	15 58	13 10	13 25	17 15		n.a.
T 19	8 59	17 25	5 4	16 50	2 3	4 49	1 7	8 20	1 17	21 55	0 0	17 18	2 8	17 4	0 10	17 33	1 29	27 8	15 58	13 10	13 23	17 13		n.a.
F 20	9 21	14 39	5 16	17 29	2 8	5 19	1 6	8 3	1 17	21 57	0 0	17 19	2 8	17 5	0 10	17 34	1 29	27 8	15 59	13 10	13 22	17 12		n.a.
S 21	9 42	11 2	5 9	18 6	2 13	5 49	1 4	7 45	1 17	21 59	0 0	17 19	2 8	17 6	0 10	17 34	1 29	27 8	15 59	13 10	13 21	17 11		n.a.
S 22	10 4	6 48	4 43	18 40	2 16	6 19	1 3	7 28	1 17	22 1	0n 0	17 19	2 8	17 7	0 10	17 35	1 29	27 8	15 59	13 10	13 20	17 10		n.a.
M23	10 25	2 15	4 0	19 12	2 20	6 49	1 1	7 10	1 16	22 3	0 0	17 19	2 8	17 8	0 10	17 35	1 29	27 8	15 59	13 9	13 19	17 9		n.a.
T 24	10 46	2s23	3 4	19 42	2 22	7 18	0 59	6 52	1 16	22 5	0 0	17 19	2 7	17 9	0 10	17 36	1 29	27 8	16 0	13 9	13 18	17 7		n.a.
W25	11 6	6 50	1 58	20 9	2 24	7 48	0 57	6 35	1 16	22 7	0 0	17 19	2 7	17 10	0 10	17 36	1 29	27 8	16 0	13 9	13 17	17 6		n.a.
T 26	11 27	10 53	0 46	20 34	2 24	8 17	0 56	6 17	1 16	22 9	0 0	17 18	2 7	17 11	0 10	17 37	1 29	27 8	16 0	13 9	13 16	17 5		n.a.
F 27	11 47	14 18	0n26	20 56	2 24	8 46	0 54	5 59	1 16	22 10	0 1	17 18	2 7	17 12	0 10	17 37	1 29	27 8	16 1	13 9	13 15	17 4		n.a.
S 28	12 8	16 56	1 36	21 16	2 23	9 15	0 52	5 41	1 16	22 12	0 1	17 18	2 7	17 13	0 10	17 38	1 29	27 8	16 1	13 9	13 14	17 2		n.a.
S 29	12 28	18 42	2 39	21 34	2 22	9 44	0 50	5 24	1 16	22 14	0 1	17 18	2 7	17 14	0 10	17 38	1 29	27 8	16 1	13 9	13 13	17 1		n.a.
M30	12n48	19s32	3n34	21n50	2n19	10n12	0s48	5s 6	1s16	22n16	0n 1	17n18	2n 6	17n15	0s10	17n39	1s29	27s 8	16s 2	13s 9	13s12	17s 0		n.a.

Julian Day Number = 1572856.5, Delta T = 04h16m31s
Ecliptic obliquity = 23°44'33, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'22, Lahiri = - 9°34'21 Julian Calendar 1 Apr. 407 BCE == Greg. Calendar 27 March 407 BCE

The year -406 astronomical counting style corresponds to year 407 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

MAY 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 13 31	4♉19'26	28♐58	27♉31	29♈23	20♓55	10♊21	19♌ 4	18♉ 3	24♉21	28♒20	4°R24	4♏29	21♑54	n.a.	T 1
W 2	14 17 28	5°16'44	10♑57	28°39	0♉36	21°39	10°33	19° 5	18° 6	24°23	28°21	4♏24	4°26	22° 0	n.a.	W 2
T 3	14 21 24	6°14'02	22°51	29°43	1°50	22°24	10°46	19° 5	18°10	24°25	28°21	4°24	4°22	22° 7	n.a.	T 3
F 4	14 25 21	7°11'19	4♒45	0♊44	3° 4	23° 8	10°58	19° 6	18°13	24°27	28°22	4°D24	4°19	22°14	n.a.	F 4
S 5	14 29 18	8° 8'36	16°42	1°41	4°17	23°52	11°10	19° 6	18°17	24°29	28°23	4°24	4°16	22°21	n.a.	S 5
S 6	14 33 14	9° 5'52	28°48	2°34	5°31	24°36	11°22	19° 7	18°20	24°32	28°23	4°24	4°13	22°27	n.a.	S 6
M 7	14 37 11	10° 3'08	11♓ 7	3°24	6°44	25°20	11°35	19° 8	18°24	24°34	28°24	4°25	4°10	22°34	n.a.	M 7
T 8	14 41 7	11° 0'23	23°42	4°10	7°58	26° 4	11°47	19° 9	18°27	24°36	28°25	4°25	4° 6	22°41	n.a.	T 8
W 9	14 45 4	11°57'37	6♈36	4°51	9°12	26°48	11°59	19°10	18°31	24°38	28°25	4°26	4° 3	22°47	n.a.	W 9
T 10	14 49 0	12°54'51	19°51	5°29	10°25	27°32	12°12	19°12	18°34	24°40	28°26	4°26	4° 0	22°54	n.a.	T 10
F 11	14 52 57	13°52'04	3♉28	6° 2	11°39	28°16	12°24	19°13	18°38	24°43	28°26	4°R27	3°57	23° 1	n.a.	F 11
S 12	14 56 53	14°49'17	17°24	6°31	12°53	29° 0	12°37	19°15	18°41	24°45	28°27	4°26	3°54	23° 8	n.a.	S 12
S 13	15 0 50	15°46'30	1♊37	6°56	14° 6	29°44	12°50	19°16	18°45	24°47	28°27	4°26	3°51	23°14	n.a.	S 13
M14	15 4 47	16°43'41	16° 1	7°16	15°20	0♈27	13° 2	19°18	18°48	24°49	28°28	4°24	3°47	23°21	n.a.	M14
T 15	15 8 43	17°40'52	0♋32	7°32	16°34	1°11	13°15	19°19	18°52	24°51	28°28	4°23	3°44	23°28	n.a.	T 15
W16	15 12 40	18°38'03	15° 3	7°43	17°47	1°54	13°28	19°21	18°55	24°54	28°29	4°21	3°41	23°34	n.a.	W16
T 17	15 16 36	19°35'12	29°30	7°50	19° 1	2°38	13°40	19°23	18°59	24°56	28°29	4°20	3°38	23°41	n.a.	T 17
F 18	15 20 33	20°32'21	13♌49	7°R52	20°15	3°21	13°53	19°25	19° 3	24°58	28°29	4°D19	3°35	23°48	n.a.	F 18
S 19	15 24 29	21°29'29	27°56	7°50	21°28	4° 4	14° 6	19°27	19° 6	25° 0	28°30	4°19	3°32	23°55	n.a.	S 19
S 20	15 28 26	22°26'37	11♍50	7°43	22°42	4°48	14°19	19°30	19°10	25° 3	28°30	4°20	3°28	24° 1	n.a.	S 20
M21	15 32 23	23°23'43	25°30	7°32	23°56	5°31	14°32	19°32	19°13	25° 5	28°31	4°21	3°25	24° 8	n.a.	M21
T 22	15 36 19	24°20'49	8♎56	7°17	25° 9	6°14	14°45	19°34	19°17	25° 7	28°31	4°23	3°22	24°15	n.a.	T 22
W23	15 40 16	25°17'55	22° 8	6°57	26°23	6°57	14°58	19°37	19°20	25° 9	28°31	4°24	3°19	24°21	n.a.	W23
T 24	15 44 12	26°15'00	5♏ 7	6°34	27°37	7°40	15°11	19°39	19°24	25°11	28°31	4°R24	3°16	24°28	n.a.	T 24
F 25	15 48 9	27°12'06	17°54	6° 8	28°50	8°23	15°24	19°42	19°27	25°14	28°32	4°23	3°12	24°35	n.a.	F 25
S 26	15 52 5	28° 9'10	0♐28	5°39	0♊ 4	9° 5	15°37	19°45	19°31	25°16	28°32	4°22	3° 9	24°42	n.a.	S 26
S 27	15 56 2	29° 6'15	12°51	5° 7	1°18	9°48	15°50	19°48	19°34	25°18	28°32	4°19	3° 6	24°48	n.a.	S 27
M28	15 59 58	0♊ 3'20	25° 4	4°33	2°31	10°31	16° 3	19°51	19°38	25°20	28°32	4°15	3° 3	24°55	n.a.	M28
T 29	16 3 55	1° 0'25	7♑ 7	3°58	3°45	11°13	16°16	19°54	19°41	25°23	28°32	4°11	3° 0	25° 2	n.a.	T 29
W30	16 7 52	1°57'30	19° 5	3°22	4°59	11°56	16°29	19°57	19°45	25°25	28°32	4° 6	2°57	25° 9	n.a.	W30
T 31	16 11 48	2♊54'35	0♒58	2♊46	6♊12	12♈38	16♊42	20♌ 0	19♉48	25♉27	28♒33	4♏ 2	2♏53	25♑15	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	13n 7	19s26	4n19	22n 4	2n16	10n41	0s46	4s48	1s16	22n18	0n 1	17n17	2n 6	17n16	0s10	17n39	1s29	27s 8	16s 2	13s 9	13s10	16s59			n.a.
W 2	13 27	18 27	4 51	22 15	2 12	11 9	0 44	4 30	1 16	22 20	0 1	17 17	2 6	17 17	0 10	17 40	1 29	27 8	16 2	13 9	13 9	16 57			n.a.
T 3	13 46	16 40	5 11	22 25	2 7	11 37	0 42	4 12	1 15	22 22	0 1	17 17	2 6	17 18	0 10	17 41	1 29	27 8	16 3	13 9	13 8	16 56			n.a.
F 4	14 5	14 11	5 17	22 32	2 1	12 4	0 40	3 55	1 15	22 24	0 1	17 16	2 6	17 19	0 10	17 41	1 29	27 8	16 3	13 9	13 7	16 55			n.a.
S 5	14 24	11 6	5 10	22 38	1 55	12 31	0 37	3 37	1 15	22 25	0 1	17 16	2 6	17 20	0 10	17 42	1 29	27 8	16 3	13 9	13 6	16 54			n.a.
S 6	14 43	7 32	4 49	22 42	1 48	12 58	0 35	3 19	1 15	22 27	0 2	17 16	2 5	17 21	0 10	17 42	1 29	27 8	16 4	13 9	13 5	16 52			n.a.
M 7	15 1	3 34	4 14	22 43	1 39	13 25	0 33	3 1	1 15	22 29	0 2	17 15	2 5	17 21	0 10	17 43	1 29	27 8	16 4	13 9	13 4	16 51			n.a.
T 8	15 19	0n38	3 27	22 43	1 30	13 51	0 31	2 43	1 15	22 31	0 2	17 15	2 5	17 22	0 10	17 43	1 29	27 8	16 5	13 9	13 3	16 50			n.a.
W 9	15 37	4 55	2 28	22 42	1 21	14 17	0 29	2 25	1 14	22 33	0 2	17 14	2 5	17 23	0 10	17 44	1 29	27 8	16 5	13 10	13 2	16 49			n.a.
T 10	15 55	9 6	1 20	22 38	1 10	14 43	0 26	2 7	1 14	22 34	0 2	17 14	2 5	17 24	0 10	17 44	1 29	27 8	16 5	13 10	13 1	16 47			n.a.
F 11	16 12	12 55	0 5	22 33	0 59	15 8	0 24	1 50	1 14	22 36	0 2	17 13	2 5	17 25	0 10	17 45	1 29	27 9	16 6	13 10	13 0	16 46			n.a.
S 12	16 29	16 6	1s11	22 26	0 47	15 33	0 22	1 32	1 14	22 38	0 2	17 12	2 5	17 26	0 10	17 46	1 29	27 9	16 6	13 10	12 59	16 45			n.a.
S 13	16 46	18 23	2 25	22 18	0 34	15 58	0 20	1 14	1 14	22 40	0 2	17 12	2 4	17 27	0 10	17 46	1 29	27 9	16 6	13 9	12 57	16 44			n.a.
M14	17 3	19 31	3 30	22 8	0 21	16 22	0 17	0 56	1 13	22 41	0 2	17 11	2 4	17 28	0 10	17 47	1 29	27 9	16 7	13 9	12 56	16 42			n.a.
T 15	17 19	19 22	4 23	21 57	0 7	16 46	0 15	0 38	1 13	22 43	0 2	17 10	2 4	17 29	0 10	17 47	1 29	27 9	16 7	13 9	12 55	16 41			n.a.
W16	17 35	17 57	4 58	21 45	0s 8	17 9	0 13	0 21	1 13	22 45	0 3	17 10	2 4	17 30	0 10	17 48	1 29	27 9	16 7	13 8	12 54	16 40			n.a.
T 17	17 51	15 23	5 15	21 31	0 23	17 32	0 10	0 3	1 13	22 46	0 3	17 9	2 4	17 31	0 10	17 48	1 29	27 10	16 8	13 8	12 53	16 39			n.a.
F 18	18 7	11 55	5 11	21 16	0 39	17 54	0 8	0n15	1 12	22 48	0 3	17 8	2 4	17 32	0 10	17 49	1 29	27 10	16 8	13 7	12 52	16 37			n.a.
S 19	18 22	7 49	4 49	20 59	0 55	18 16	0 6	0 32	1 12	22 50	0 3	17 7	2 3	17 33	0 10	17 49	1 29	27 10	16 9	13 7	12 51	16 36			n.a.
S 20	18 37	3 21	4 11	20 42	1 11	18 38	0 3	0 50	1 12	22 51	0 3	17 6	2 3	17 34	0 10	17 50	1 29	27 10	16 9	13 8	12 50	16 35			n.a.
M21	18 51	1s13	3 18	20 24	1 27	18 59	0 1	1 7	1 11	22 53	0 3	17 6	2 3	17 35	0 10	17 50	1 29	27 10	16 9	13 8	12 49	16 33			n.a.
T 22	19 6	5 40	2 16	20 6	1 44	19 19	0n 2	1 25	1 11	22 55	0 3	17 5	2 3	17 36	0 10	17 51	1 29	27 11	16 10	13 8	12 48	16 32			n.a.
W23	19 20	9 46	1 7	19 46	2 0	19 39	0 4	1 42	1 11	22 56	0 3	17 4	2 3	17 37	0 10	17 52	1 29	27 11	16 10	13 9	12 47	16 31			n.a.
T 24	19 34	13 20	0n 4	19 26	2 17	19 59	0 6	2 0	1 11	22 58	0 3	17 3	2 3	17 38	0 10	17 52	1 29	27 11	16 10	13 9	12 45	16 30			n.a.
F 25	19 47	16 12	1 14	19 6	2 32	20 18	0 9	2 17	1 10	22 59	0 3	17 2	2 2	17 39	0 10	17 53	1 29	27 11	16 11	13 9	12 44	16 28			n.a.
S 26	20 0	18 15	2 18	18 46	2 48	20 36	0 11	2 35	1 10	23 1	0 4	17 1	2 2	17 40	0 10	17 53	1 29	27 12	16 11	13 8	12 43	16 27			n.a.
S 27	20 13	19 24	3 16	18 26	3 3	20 54	0 13	2 52	1 10	23 2	0 4	17 0	2 2	17 41	0 10	17 54	1 29	27 12	16 12	13 7	12 42	16 26			n.a.
M28	20 25	19 36	4 3	18 6	3 16	21 11	0 16	3 9	1 9	23 4	0 4	16 58	2 2	17 42	0 10	17 54	1 29	27 12	16 12	13 6	12 41	16 24			n.a.
T 29	20 37	18 54	4 39	17 47	3 29	21 28	0 18	3 26	1 9	23 5	0 4	16 57	2 2	17 43	0 10	17 55	1 29	27 13	16 12	13 4	12 40	16 23			n.a.
W30	20 49	17 23	5 2	17 28	3 41	21 44	0 20	3 44	1 9	23 7	0 4	16 56	2 2	17 44	0 10	17 55	1 29	27 13	16 13	13 3	12 39	16 22			n.a.
T 31	21n 0	15s 7	5n12	17n11	3s52	21n59	0n23	4n 1	1s 8	23n 8	0n 4	16n55	2n 2	17n45	0s10	17n56	1s29	27s13	16s13	13s 1	12s38	16s20			n.a.

Julian Day Number = 1572886.5, Delta T = 04h16m30s
Ecliptic obliquity = 23°44'33, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'18, Lahiri = - 9°34'17 Julian Calendar 1 May 407 BCE == Greg. Calendar 26 Apr. 407 BCE

The year -406 astronomical counting style corresponds to year 407 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

JUNE 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	16 15 45	3♊51'40	12♒51	2°R10	7♊26	13♈21	16♊56	20♌ 4	19♉52	25♉29	28♒33	3°R59	2♏50	25♑22	n.a.	F 1
S 2	16 19 41	4°48'46	24°47	1♊35	8°40	14° 3	17° 9	20° 7	19°55	25°32	28°33	3♏57	2°47	25°29	n.a.	S 2
S 3	16 23 38	5°45'52	6♓51	1° 2	9°54	14°45	17°22	20°10	19°59	25°34	28°33	3°D57	2°44	25°35	n.a.	S 3
M 4	16 27 34	6°42'58	19° 8	0°31	11° 7	15°27	17°35	20°14	20° 2	25°36	28°R33	3°58	2°41	25°42	n.a.	M 4
T 5	16 31 31	7°40'05	1♈41	0° 2	12°21	16°10	17°48	20°18	20° 6	25°38	28°33	3°59	2°37	25°49	n.a.	T 5
W 6	16 35 27	8°37'13	14°36	29♉37	13°35	16°52	18° 2	20°21	20° 9	25°40	28°33	4° 0	2°34	25°56	n.a.	W 6
T 7	16 39 24	9°34'20	27°56	29°16	14°49	17°33	18°15	20°25	20°12	25°43	28°33	4°R 2	2°31	26° 2	n.a.	T 7
F 8	16 43 21	10°31'29	11♉41	28°59	16° 2	18°15	18°28	20°29	20°16	25°45	28°32	4° 1	2°28	26° 9	n.a.	F 8
S 9	16 47 17	11°28'38	25°51	28°46	17°16	18°57	18°42	20°33	20°19	25°47	28°32	4° 0	2°25	26°16	n.a.	S 9
S 10	16 51 14	12°25'47	10♊24	28°38	18°30	19°39	18°55	20°37	20°23	25°49	28°32	3°56	2°22	26°23	n.a.	S 10
M11	16 55 10	13°22'57	25°12	28°D35	19°44	20°20	19° 8	20°41	20°26	25°51	28°32	3°52	2°18	26°29	n.a.	M11
T 12	16 59 7	14°20'07	10♋ 8	28°37	20°58	21° 2	19°22	20°45	20°29	25°53	28°32	3°46	2°15	26°36	n.a.	T 12
W13	17 3 3	15°17'17	25° 4	28°44	22°11	21°43	19°35	20°50	20°33	25°56	28°32	3°40	2°12	26°43	n.a.	W13
T 14	17 7 0	16°14'28	9♌51	28°57	23°25	22°25	19°48	20°54	20°36	25°58	28°32	3°35	2° 9	26°49	n.a.	T 14
F 15	17 10 57	17°11'38	24°22	29°15	24°39	23° 6	20° 2	20°59	20°39	26° 0	28°31	3°31	2° 6	26°56	n.a.	F 15
S 16	17 14 53	18° 8'49	8♍34	29°38	25°53	23°47	20°15	21° 3	20°42	26° 2	28°31	3°29	2° 3	27° 3	n.a.	S 16
S 17	17 18 50	19° 6'01	22°25	0♎ 8	27° 7	24°28	20°29	21° 8	20°46	26° 4	28°31	3°D29	1°59	27°10	n.a.	S 17
M18	17 22 46	20° 3'12	5♎54	0°42	28°21	25° 9	20°42	21°12	20°49	26° 6	28°30	3°29	1°56	27°16	n.a.	M18
T 19	17 26 43	21° 0'24	19° 5	1°23	29°35	25°50	20°55	21°17	20°52	26° 8	28°30	3°31	1°53	27°23	n.a.	T 19
W20	17 30 39	21°57'37	2♏ 0	2° 8	0♋48	26°31	21° 9	21°22	20°55	26°10	28°30	3°R31	1°50	27°30	n.a.	W20
T 21	17 34 36	22°54'49	14°40	2°59	2° 2	27°12	21°22	21°27	20°58	26°12	28°29	3°31	1°47	27°36	n.a.	T 21
F 22	17 38 32	23°52'03	27° 9	3°56	3°16	27°52	21°35	21°32	21° 2	26°14	28°29	3°28	1°43	27°43	n.a.	F 22
S 23	17 42 29	24°49'17	9♐27	4°57	4°30	28°33	21°49	21°37	21° 5	26°16	28°29	3°23	1°40	27°50	n.a.	S 23
S 24	17 46 26	25°46'32	21°38	6° 4	5°44	29°13	22° 2	21°42	21° 8	26°18	28°28	3°16	1°37	27°57	n.a.	S 24
M25	17 50 22	26°43'48	3♑42	7°16	6°58	29°54	22°15	21°47	21°11	26°20	28°28	3° 7	1°34	28° 3	n.a.	M25
T 26	17 54 19	27°41'04	15°40	8°33	8°12	0♉34	22°29	21°52	21°14	26°22	28°27	2°57	1°31	28°10	n.a.	T 26
W27	17 58 15	28°38'22	27°34	9°55	9°25	1°14	22°42	21°58	21°17	26°24	28°27	2°47	1°28	28°17	n.a.	W27
T 28	18 2 12	29°35'40	9♒27	11°21	10°39	1°55	22°55	22° 3	21°20	26°26	28°26	2°37	1°24	28°24	n.a.	T 28
F 29	18 6 8	0♋33'00	21°19	12°52	11°53	2°35	23° 9	22° 8	21°23	26°28	28°26	2°29	1°21	28°30	n.a.	F 29
S 30	18 10 5	1♋30'21	3♓14	14♊27	13♋ 7	3♉15	23♊22	22♌14	21♉26	26♉30	28♒25	2♏23	1♏18	28♑37	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21n11	12s14	5n 9	16n55	4s 1	22n14	0n25	4n18	1s 8	23n10	0n 4	16n54	2n 1	17n46	0s10	17n56	1s29	27s13	16s13	13s 0	12s37	16s19		n.a.
S 2	21 22	8 50	4 52	16 40	4 9	22 28	0 27	4 35	1 7	23 11	0 4	16 53	2 1	17 47	0 10	17 57	1 29	27 14	16 14	13 0	12 36	16 18		n.a.
S 3	21 32	5 3	4 23	16 27	4 16	22 42	0 29	4 51	1 7	23 12	0 4	16 51	2 1	17 48	0 10	17 58	1 29	27 14	16 14	13 0	12 34	16 16		n.a.
M 4	21 42	0 59	3 41	16 16	4 21	22 55	0 32	5 8	1 7	23 14	0 4	16 50	2 1	17 49	0 10	17 58	1 29	27 14	16 15	13 0	12 33	16 15		n.a.
T 5	21 52	3n14	2 47	16 6	4 25	23 7	0 34	5 25	1 6	23 15	0 5	16 49	2 1	17 50	0 10	17 59	1 29	27 15	16 15	13 0	12 32	16 14		n.a.
W 6	22 1	7 25	1 44	15 59	4 27	23 19	0 36	5 42	1 6	23 16	0 5	16 47	2 1	17 51	0 10	17 59	1 29	27 15	16 15	13 1	12 31	16 12		n.a.
T 7	22 10	11 23	0 33	15 54	4 27	23 30	0 38	5 58	1 5	23 18	0 5	16 46	2 1	17 52	0 10	18 0	1 29	27 16	16 16	13 1	12 30	16 11		n.a.
F 8	22 18	14 52	0s42	15 51	4 26	23 40	0 40	6 15	1 5	23 19	0 5	16 45	2 0	17 53	0 10	18 0	1 29	27 16	16 16	13 1	12 29	16 10		n.a.
S 9	22 27	17 35	1 56	15 50	4 24	23 50	0 42	6 31	1 5	23 20	0 5	16 43	2 0	17 54	0 10	18 1	1 29	27 16	16 16	13 1	12 28	16 8		n.a.
S 10	22 34	19 15	3 5	15 52	4 21	23 59	0 45	6 48	1 4	23 21	0 5	16 42	2 0	17 54	0 10	18 1	1 29	27 17	16 17	12 59	12 27	16 7		n.a.
M11	22 42	19 37	4 2	15 56	4 16	24 7	0 47	7 4	1 4	23 23	0 5	16 40	2 0	17 55	0 10	18 2	1 29	27 17	16 17	12 58	12 26	16 6		n.a.
T 12	22 49	18 38	4 44	16 3	4 10	24 14	0 49	7 20	1 3	23 24	0 5	16 39	2 0	17 56	0 10	18 2	1 29	27 18	16 18	12 56	12 24	16 4		n.a.
W13	22 55	16 23	5 6	16 11	4 2	24 21	0 51	7 36	1 3	23 25	0 5	16 37	2 0	17 57	0 10	18 3	1 29	27 18	16 18	12 54	12 23	16 3		n.a.
T 14	23 1	13 4	5 7	16 22	3 54	24 27	0 53	7 52	1 2	23 26	0 5	16 36	2 0	17 58	0 10	18 3	1 29	27 18	16 18	12 52	12 22	16 2		n.a.
F 15	23 7	9 1	4 49	16 35	3 45	24 32	0 54	8 8	1 2	23 27	0 6	16 34	2 0	17 59	0 10	18 4	1 29	27 19	16 19	12 51	12 21	16 0		n.a.
S 16	23 12	4 33	4 13	16 50	3 35	24 37	0 56	8 24	1 1	23 28	0 6	16 33	1 59	18 0	0 10	18 4	1 29	27 19	16 19	12 50	12 20	15 59		n.a.
S 17	23 17	0s 4	3 24	17 6	3 24	24 41	0 58	8 40	1 1	23 29	0 6	16 31	1 59	18 1	0 10	18 5	1 29	27 20	16 19	12 50	12 19	15 58		n.a.
M18	23 22	4 34	2 24	17 25	3 13	24 44	1 0	8 55	1 0	23 31	0 6	16 29	1 59	18 2	0 10	18 5	1 29	27 20	16 20	12 50	12 18	15 56		n.a.
T 19	23 26	8 45	1 17	17 45	3 1	24 46	1 2	9 11	1 0	23 32	0 6	16 28	1 59	18 2	0 10	18 6	1 29	27 21	16 20	12 51	12 17	15 55		n.a.
W20	23 30	12 27	0 8	18 6	2 49	24 48	1 3	9 26	0 59	23 33	0 6	16 26	1 59	18 3	0 10	18 6	1 29	27 21	16 20	12 51	12 16	15 54		n.a.
T 21	23 33	15 29	1n 0	18 29	2 36	24 49	1 5	9 41	0 59	23 34	0 6	16 24	1 59	18 4	0 10	18 7	1 29	27 21	16 21	12 51	12 14	15 52		n.a.
F 22	23 36	17 46	2 4	18 52	2 22	24 49	1 7	9 57	0 58	23 35	0 6	16 23	1 59	18 5	0 10	18 7	1 29	27 22	16 21	12 50	12 13	15 51		n.a.
S 23	23 38	19 10	3 1	19 17	2 9	24 48	1 8	10 12	0 58	23 36	0 6	16 21	1 59	18 6	0 10	18 7	1 29	27 22	16 21	12 48	12 12	15 50		n.a.
S 24	23 40	19 40	3 49	19 42	1 55	24 47	1 10	10 27	0 57	23 36	0 7	16 19	1 59	18 7	0 10	18 8	1 29	27 23	16 22	12 46	12 11	15 48		n.a.
M25	23 42	19 15	4 26	20 8	1 41	24 45	1 11	10 42	0 57	23 37	0 7	16 17	1 58	18 7	0 10	18 8	1 29	27 23	16 22	12 43	12 10	15 47		n.a.
T 26	23 43	17 59	4 51	20 35	1 27	24 42	1 13	10 56	0 56	23 38	0 7	16 15	1 58	18 8	0 10	18 9	1 29	27 24	16 22	12 39	12 9	15 45		n.a.
W27	23 44	15 57	5 3	21 1	1 13	24 38	1 14	11 11	0 56	23 39	0 7	16 14	1 58	18 9	0 10	18 9	1 29	27 24	16 23	12 36	12 8	15 44		n.a.
T 28	23 44	13 15	5 3	21 27	0 59	24 34	1 15	11 26	0 55	23 40	0 7	16 12	1 58	18 10	0 10	18 10	1 29	27 25	16 23	12 32	12 7	15 43		n.a.
F 29	23 44	10 1	4 49	21 53	0 45	24 28	1 17	11 40	0 54	23 41	0 7	16 10	1 58	18 11	0 10	18 10	1 29	27 25	16 23	12 29	12 6	15 41		n.a.
S 30	23n44	6s23	4n22	22n18	0s32	24n23	1n18	11n55	0s54	23n42	0n 7	16n 8	1n58	18n11	0s10	18n11	1s29	27s26	16s24	12s27	12s 4	15s40		n.a.

Julian Day Number = 1572917.5, Delta T = 04h16m29s
Ecliptic obliquity = 23°44'32, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'13, Lahiri = - 9°34'13 Julian Calendar 1 June 407 BCE == Greg. Calendar 27 May 407 BCE

The year -406 astronomical counting style corresponds to year 407 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

JULY 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 14 1	2♋27'43	15♓17	16♊ 6	14♋21	3♉54	23♊35	22♌19	21♉28	26♉32	28°R25	2°R20	1♏15	28♑44	n.a.	S 1
M 2	18 17 58	3°25'06	27°31	17°49	15°35	4°34	23°48	22°25	21°31	26°34	28♒24	2♏18	1°12	28°50	n.a.	M 2
T 3	18 21 55	4°22'31	10♈ 1	19°36	16°49	5°14	24° 2	22°30	21°34	26°36	28°23	2°D18	1° 9	28°57	n.a.	T 3
W 4	18 25 51	5°19'57	22°52	21°26	18° 3	5°53	24°15	22°36	21°37	26°38	28°23	2°19	1° 5	29° 4	n.a.	W 4
T 5	18 29 48	6°17'25	6♉ 8	23°18	19°17	6°33	24°28	22°42	21°40	26°39	28°22	2°R19	1° 2	29°11	n.a.	T 5
F 6	18 33 44	7°14'54	19°52	25°13	20°31	7°12	24°41	22°48	21°43	26°41	28°21	2°17	0°59	29°17	n.a.	F 6
S 7	18 37 41	8°12'24	4♊ 5	27°11	21°45	7°52	24°55	22°54	21°45	26°43	28°21	2°14	0°56	29°24	n.a.	S 7
S 8	18 41 37	9° 9'56	18°44	29°10	22°59	8°31	25° 8	23° 0	21°48	26°45	28°20	2° 8	0°53	29°31	n.a.	S 8
M 9	18 45 34	10° 7'30	3♋45	1♋10	24°13	9°10	25°21	23° 6	21°51	26°46	28°19	2° 0	0°49	29°38	n.a.	M 9
T 10	18 49 30	11° 5'04	18°58	3°12	25°27	9°49	25°34	23°12	21°53	26°48	28°19	1°50	0°46	29°44	n.a.	T 10
W11	18 53 27	12° 2'40	4♌13	5°14	26°41	10°28	25°47	23°18	21°56	26°50	28°18	1°41	0°43	29°51	n.a.	W11
T 12	18 57 24	13° 0'17	19°18	7°17	27°55	11° 6	26° 0	23°24	21°58	26°52	28°17	1°31	0°40	29°58	n.a.	T 12
F 13	19 1 20	13°57'56	4♍ 5	9°20	29° 9	11°45	26°13	23°30	22° 1	26°53	28°16	1°24	0°37	0♒ 4	n.a.	F 13
S 14	19 5 17	14°55'35	18°28	11°23	0♌23	12°24	26°26	23°36	22° 3	26°55	28°15	1°20	0°34	0°11	n.a.	S 14
S 15	19 9 13	15°53'15	2♎24	13°25	1°36	13° 2	26°39	23°43	22° 6	26°56	28°15	1°17	0°30	0°18	n.a.	S 15
M16	19 13 10	16°50'57	15°54	15°27	2°50	13°40	26°52	23°49	22° 8	26°58	28°14	1°D17	0°27	0°25	n.a.	M16
T 17	19 17 6	17°48'40	29° 0	17°28	4° 4	14°18	27° 5	23°55	22°10	27° 0	28°13	1°R17	0°24	0°31	n.a.	T 17
W18	19 21 3	18°46'23	11♏45	19°28	5°18	14°57	27°18	24° 2	22°13	27° 1	28°12	1°17	0°21	0°38	n.a.	W18
T 19	19 24 59	19°44'09	24°14	21°28	6°32	15°35	27°31	24° 8	22°15	27° 3	28°11	1°15	0°18	0°45	n.a.	T 19
F 20	19 28 56	20°41'55	6♐31	23°26	7°46	16°12	27°43	24°15	22°17	27° 4	28°10	1°10	0°15	0°52	n.a.	F 20
S 21	19 32 53	21°39'43	18°39	25°23	9° 0	16°50	27°56	24°21	22°19	27° 6	28° 9	1° 3	0°11	0°58	n.a.	S 21
S 22	19 36 49	22°37'33	0♑40	27°19	10°14	17°28	28° 9	24°28	22°22	27° 7	28° 8	0°53	0° 8	1° 5	n.a.	S 22
M23	19 40 46	23°35'24	12°37	29°13	11°28	18° 5	28°22	24°34	22°24	27° 9	28° 8	0°41	0° 5	1°12	n.a.	M23
T 24	19 44 42	24°33'16	24°31	1♌ 7	12°42	18°43	28°34	24°41	22°26	27°10	28° 7	0°28	0° 2	1°18	n.a.	T 24
W25	19 48 39	25°31'11	6♒24	2°59	13°56	19°20	28°47	24°48	22°28	27°11	28° 6	0°14	29♎59	1°25	n.a.	W25
T 26	19 52 35	26°29'06	18°16	4°49	15°10	19°57	28°59	24°54	22°30	27°13	28° 5	0° 0	29°55	1°32	n.a.	T 26
F 27	19 56 32	27°27'04	0♓11	6°39	16°24	20°34	29°12	25° 1	22°32	27°14	28° 4	29♎49	29°52	1°39	n.a.	F 27
S 28	20 0 28	28°25'04	12° 9	8°27	17°38	21°11	29°24	25° 8	22°34	27°15	28° 3	29°40	29°49	1°45	n.a.	S 28
S 29	20 4 25	29°23'05	24°14	10°14	18°52	21°48	29°37	25°15	22°36	27°17	28° 2	29°34	29°46	1°52	n.a.	S 29
M30	20 8 22	0♌21'08	6♈28	12° 0	20° 6	22°25	29°49	25°22	22°37	27°18	28° 1	29°31	29°43	1°59	n.a.	M30
T 31	20 12 18	1♌19'14	18♈57	13♌44	21♌20	23♉ 1	0♋ 1	25♌29	22♉39	27♉19	27♒59	29♎29	29♎40	2♒ 5	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	23n43	2s26	3n44	22n42	0s19	24n16	1n19	12n 9	0s53	23n42	0n 7	16n 6	1n58	18n12	0s10	18n11	1s29	27s26	16s24	12s26	12s 3	15s39			n.a.
M 2	23 42	1n40	2 55	23 4	0 6	24 9	1 20	12 23	0 53	23 43	0 7	16 4	1 58	18 13	0 10	18 11	1 29	27 27	16 24	12 25	12 2	15 37			n.a.
T 3	23 40	5 47	1 56	23 26	0n 6	24 1	1 21	12 37	0 52	23 44	0 7	16 2	1 58	18 14	0 10	18 12	1 29	27 27	16 25	12 25	12 1	15 36			n.a.
W 4	23 38	9 47	0 50	23 45	0 18	23 52	1 22	12 51	0 51	23 44	0 8	16 0	1 58	18 14	0 10	18 12	1 29	27 28	16 25	12 26	12 0	15 34			n.a.
T 5	23 35	13 25	0s20	24 3	0 29	23 42	1 23	13 5	0 51	23 45	0 8	15 58	1 57	18 15	0 10	18 13	1 29	27 28	16 25	12 26	11 59	15 33			n.a.
F 6	23 32	16 27	1 32	24 19	0 40	23 32	1 24	13 18	0 50	23 46	0 8	15 56	1 57	18 16	0 10	18 13	1 29	27 29	16 26	12 25	11 58	15 32			n.a.
S 7	23 29	18 36	2 41	24 32	0 49	23 21	1 25	13 32	0 49	23 46	0 8	15 54	1 57	18 17	0 10	18 13	1 29	27 29	16 26	12 24	11 57	15 30			n.a.
S 8	23 25	19 36	3 40	24 43	0 58	23 10	1 25	13 45	0 49	23 47	0 8	15 52	1 57	18 17	0 10	18 14	1 29	27 30	16 26	12 22	11 55	15 29			n.a.
M 9	23 21	19 15	4 27	24 51	1 7	22 57	1 26	13 58	0 48	23 48	0 8	15 50	1 57	18 18	0 10	18 14	1 29	27 31	16 27	12 19	11 54	15 27			n.a.
T 10	23 16	17 31	4 55	24 57	1 14	22 44	1 27	14 11	0 47	23 48	0 8	15 48	1 57	18 19	0 10	18 15	1 29	27 31	16 27	12 16	11 53	15 26			n.a.
W11	23 11	14 34	5 2	24 59	1 21	22 31	1 27	14 24	0 47	23 49	0 8	15 46	1 57	18 19	0 10	18 15	1 29	27 32	16 27	12 12	11 52	15 25			n.a.
T 12	23 6	10 40	4 48	24 59	1 27	22 16	1 28	14 37	0 46	23 49	0 8	15 44	1 57	18 20	0 10	18 15	1 29	27 32	16 27	12 9	11 51	15 23			n.a.
F 13	23 0	6 11	4 15	24 57	1 32	22 1	1 28	14 50	0 45	23 50	0 9	15 41	1 57	18 21	0 10	18 16	1 29	27 33	16 28	12 7	11 50	15 22			n.a.
S 14	22 54	1 28	3 26	24 51	1 37	21 46	1 28	15 2	0 45	23 50	0 9	15 39	1 57	18 21	0 10	18 16	1 29	27 33	16 28	12 5	11 49	15 20			n.a.
S 15	22 47	3s12	2 27	24 43	1 40	21 30	1 29	15 15	0 44	23 51	0 9	15 37	1 57	18 22	0 10	18 16	1 29	27 34	16 28	12 4	11 48	15 19			n.a.
M16	22 40	7 34	1 21	24 32	1 43	21 13	1 29	15 27	0 43	23 51	0 9	15 35	1 57	18 23	0 10	18 17	1 29	27 34	16 29	12 4	11 46	15 18			n.a.
T 17	22 32	11 27	0 12	24 19	1 45	20 55	1 29	15 39	0 43	23 52	0 9	15 33	1 57	18 23	0 10	18 17	1 29	27 35	16 29	12 4	11 45	15 16			n.a.
W18	22 24	14 41	0n55	24 4	1 47	20 37	1 29	15 51	0 42	23 52	0 9	15 31	1 57	18 24	0 10	18 17	1 29	27 35	16 29	12 4	11 44	15 15			n.a.
T 19	22 16	17 10	1 58	23 46	1 47	20 19	1 29	16 3	0 41	23 52	0 9	15 28	1 56	18 24	0 10	18 18	1 29	27 36	16 29	12 3	11 43	15 13			n.a.
F 20	22 8	18 48	2 55	23 27	1 47	19 59	1 29	16 15	0 40	23 53	0 9	15 26	1 56	18 25	0 10	18 18	1 30	27 37	16 30	12 2	11 42	15 12			n.a.
S 21	21 58	19 33	3 42	23 5	1 47	19 40	1 29	16 27	0 40	23 53	0 9	15 24	1 56	18 26	0 10	18 18	1 30	27 37	16 30	11 59	11 41	15 10			n.a.
S 22	21 49	19 25	4 20	22 41	1 46	19 19	1 29	16 38	0 39	23 53	0 10	15 21	1 56	18 26	0 10	18 19	1 30	27 38	16 30	11 56	11 40	15 9			n.a.
M23	21 39	18 24	4 45	22 16	1 44	18 58	1 28	16 50	0 38	23 54	0 10	15 19	1 56	18 27	0 10	18 19	1 30	27 38	16 30	11 51	11 39	15 8			n.a.
T 24	21 29	16 36	4 58	21 49	1 42	18 37	1 28	17 1	0 37	23 54	0 10	15 17	1 56	18 27	0 10	18 19	1 30	27 39	16 30	11 47	11 37	15 6			n.a.
W25	21 18	14 6	4 58	21 21	1 39	18 15	1 28	17 12	0 37	23 54	0 10	15 15	1 56	18 28	0 10	18 19	1 30	27 39	16 31	11 42	11 36	15 5			n.a.
T 26	21 7	11 2	4 45	20 51	1 36	17 53	1 27	17 23	0 36	23 54	0 10	15 12	1 56	18 28	0 10	18 20	1 30	27 40	16 31	11 37	11 35	15 3			n.a.
F 27	20 56	7 31	4 19	20 20	1 33	17 30	1 27	17 33	0 35	23 54	0 10	15 10	1 56	18 29	0 10	18 20	1 30	27 41	16 31	11 33	11 34	15 2			n.a.
S 28	20 44	3 40	3 42	19 48	1 29	17 6	1 26	17 44	0 34	23 55	0 10	15 8	1 56	18 29	0 10	18 20	1 30	27 41	16 31	11 30	11 33	15 0			n.a.
S 29	20 32	0n21	2 55	19 15	1 25	16 43	1 25	17 55	0 33	23 55	0 10	15 5	1 56	18 30	0 10	18 20	1 30	27 42	16 31	11 28	11 32	14 59			n.a.
M30	20 20	4 25	1 58	18 41	1 20	16 18	1 25	18 5	0 32	23 55	0 10	15 3	1 56	18 30	0 10	18 21	1 30	27 42	16 32	11 26	11 31	14 57			n.a.
T 31	20n 7	8n22	0n55	18n 6	1n15	15n54	1n24	18n15	0s32	23n55	0n11	15n 0	1n56	18n31	0s10	18n21	1s30	27s43	16s32	11s26	11s30	14s56			n.a.

Julian Day Number = 1572947.5, Delta T = 04h16m28s
Ecliptic obliquity = 23°44'32, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'09, Lahiri = - 9°34'09 Julian Calendar 1 July 407 BCE == Greg. Calendar 26 June 407 BCE

The year -406 astronomical counting style corresponds to year 407 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

AUGUST 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	20 16 15	2♌17'21	1♉44	15♌27	22♌34	23♉38	0♋14	25♌36	22♉41	27♉20	27°R58	29°R29	29♎36	2♒12	n.a.	W 1
T 2	20 20 11	3°15'31	14°54	17° 9	23°48	24°14	0°26	25°42	22°43	27°21	27♒57	29♎29	29°33	2°19	n.a.	T 2
F 3	20 24 8	4°13'43	28°31	18°49	25° 2	24°50	0°38	25°49	22°44	27°22	27°56	29°27	29°30	2°26	n.a.	F 3
S 4	20 28 4	5°11'57	12♊36	20°29	26°15	25°26	0°50	25°56	22°46	27°23	27°55	29°24	29°27	2°32	n.a.	S 4
S 5	20 32 1	6°10'13	27° 9	22° 7	27°29	26° 2	1° 2	26° 3	22°47	27°25	27°54	29°17	29°24	2°39	n.a.	S 5
M 6	20 35 57	7° 8'31	12♋ 7	23°44	28°43	26°38	1°14	26°11	22°49	27°26	27°53	29° 9	29°21	2°46	n.a.	M 6
T 7	20 39 54	8° 6'52	27°21	25°20	29°57	27°13	1°26	26°18	22°50	27°27	27°52	28°58	29°17	2°53	n.a.	T 7
W 8	20 43 51	9° 5'14	12♌40	26°55	1♍11	27°49	1°38	26°25	22°52	27°28	27°51	28°47	29°14	2°59	n.a.	W 8
T 9	20 47 47	10° 3'38	27°54	28°28	2°25	28°24	1°50	26°32	22°53	27°28	27°50	28°37	29°11	3° 6	n.a.	T 9
F 10	20 51 44	11° 2'04	12♍52	0♍ 0	3°39	28°59	2° 1	26°39	22°54	27°29	27°48	28°29	29° 8	3°13	n.a.	F 10
S 11	20 55 40	12° 0'32	27°26	1°32	4°53	29°34	2°13	26°46	22°56	27°30	27°47	28°24	29° 5	3°19	n.a.	S 11
S 12	20 59 37	12°59'02	11♎31	3° 2	6° 7	0♊ 9	2°25	26°53	22°57	27°31	27°46	28°21	29° 1	3°26	n.a.	S 12
M13	21 3 33	13°57'33	25° 7	4°31	7°21	0°44	2°36	27° 1	22°58	27°32	27°45	28°D20	28°58	3°33	n.a.	M13
T 14	21 7 30	14°56'06	8♏16	5°58	8°35	1°18	2°48	27° 8	22°59	27°33	27°44	28°R20	28°55	3°40	n.a.	T 14
W15	21 11 26	15°54'41	21° 2	7°25	9°48	1°53	2°59	27°15	23° 0	27°33	27°43	28°20	28°52	3°46	n.a.	W15
T 16	21 15 23	16°53'17	3♐28	8°50	11° 2	2°27	3°10	27°22	23° 1	27°34	27°42	28°19	28°49	3°53	n.a.	T 16
F 17	21 19 19	17°51'56	15°40	10°15	12°16	3° 1	3°22	27°30	23° 2	27°35	27°40	28°15	28°46	4° 0	n.a.	F 17
S 18	21 23 16	18°50'36	27°43	11°37	13°30	3°35	3°33	27°37	23° 3	27°35	27°39	28° 9	28°42	4° 7	n.a.	S 18
S 19	21 27 13	19°49'18	9♑39	12°59	14°44	4° 9	3°44	27°44	23° 4	27°36	27°38	28° 1	28°39	4°13	n.a.	S 19
M20	21 31 9	20°48'02	21°32	14°19	15°57	4°42	3°55	27°51	23° 5	27°37	27°37	27°50	28°36	4°20	n.a.	M20
T 21	21 35 6	21°46'48	3♒24	15°38	17°11	5°16	4° 6	27°59	23° 5	27°37	27°36	27°38	28°33	4°27	n.a.	T 21
W22	21 39 2	22°45'36	15°18	16°56	18°25	5°49	4°17	28° 6	23° 6	27°38	27°34	27°25	28°30	4°33	n.a.	W22
T 23	21 42 59	23°44'26	27°14	18°12	19°39	6°22	4°27	28°13	23° 7	27°38	27°33	27°13	28°26	4°40	n.a.	T 23
F 24	21 46 55	24°43'18	9♓14	19°27	20°52	6°55	4°38	28°21	23° 7	27°39	27°32	27° 3	28°23	4°47	n.a.	F 24
S 25	21 50 52	25°42'12	21°20	20°40	22° 6	7°27	4°49	28°28	23° 8	27°39	27°31	26°55	28°20	4°54	n.a.	S 25
S 26	21 54 48	26°41'09	3♈33	21°51	23°20	8° 0	4°59	28°35	23° 8	27°39	27°30	26°50	28°17	5° 0	n.a.	S 26
M27	21 58 45	27°40'08	15°56	23° 0	24°34	8°32	5° 9	28°43	23° 9	27°40	27°28	26°48	28°14	5° 7	n.a.	M27
T 28	22 2 42	28°39'09	28°30	24° 8	25°47	9° 4	5°20	28°50	23° 9	27°40	27°27	26°D47	28°11	5°14	n.a.	T 28
W29	22 6 38	29°38'12	11♉20	25°13	27° 1	9°36	5°30	28°57	23°10	27°40	27°26	26°48	28° 7	5°20	n.a.	W29
T 30	22 10 35	0♍37'18	24°29	26°17	28°15	10° 8	5°40	29° 5	23°10	27°41	27°25	26°R48	28° 4	5°27	n.a.	T 30
F 31	22 14 31	1♍36'27	8♊ 0	27♍17	29♍28	10♊40	5♋50	29♌12	23♉10	27♉41	27♒24	26♎48	28♎ 1	5♒34	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	19n54	12n 2	0s12	17n31	1n10	15n28	1n23	18n25	0s31	23n55	0n11	14n58	1n56	18n31	0s10	18n21	1s30	27s43	16s32	11s26	11s28	14s55			n.a.
T 2	19 40	15 14	1 21	16 54	1 4	15 3	1 22	18 35	0 30	23 55	0 11	14 56	1 56	18 32	0 10	18 21	1 30	27 44	16 32	11 26	11 27	14 53			n.a.
F 3	19 27	17 42	2 27	16 17	0 58	14 37	1 21	18 45	0 29	23 55	0 11	14 53	1 56	18 32	0 10	18 22	1 30	27 44	16 32	11 25	11 26	14 52			n.a.
S 4	19 12	19 11	3 27	15 40	0 52	14 10	1 20	18 54	0 28	23 55	0 11	14 51	1 56	18 32	0 10	18 22	1 30	27 45	16 33	11 24	11 25	14 50			n.a.
S 5	18 58	19 27	4 15	15 2	0 45	13 44	1 19	19 4	0 27	23 55	0 11	14 48	1 56	18 33	0 10	18 22	1 30	27 46	16 33	11 22	11 24	14 49			n.a.
M 6	18 43	18 24	4 48	14 23	0 39	13 16	1 17	19 13	0 26	23 55	0 11	14 46	1 56	18 33	0 10	18 22	1 30	27 46	16 33	11 18	11 23	14 47			n.a.
T 7	18 28	16 3	5 1	13 45	0 32	12 49	1 16	19 22	0 26	23 55	0 11	14 43	1 56	18 34	0 10	18 22	1 30	27 47	16 33	11 15	11 22	14 46			n.a.
W 8	18 13	12 33	4 52	13 5	0 25	12 21	1 15	19 31	0 25	23 55	0 12	14 41	1 56	18 34	0 10	18 23	1 30	27 47	16 33	11 11	11 20	14 44			n.a.
T 9	17 57	8 15	4 23	12 26	0 18	11 53	1 13	19 40	0 24	23 55	0 12	14 38	1 56	18 34	0 10	18 23	1 30	27 48	16 33	11 7	11 19	14 43			n.a.
F 10	17 41	3 30	3 36	11 47	0 11	11 25	1 12	19 49	0 23	23 55	0 12	14 36	1 56	18 35	0 10	18 23	1 30	27 48	16 33	11 4	11 18	14 41			n.a.
S 11	17 24	1s21	2 36	11 7	0 3	10 56	1 10	19 57	0 22	23 55	0 12	14 33	1 56	18 35	0 10	18 23	1 30	27 49	16 34	11 2	11 17	14 40			n.a.
S 12	17 8	5 57	1 28	10 27	0s 4	10 27	1 9	20 6	0 21	23 55	0 12	14 31	1 56	18 35	0 10	18 23	1 30	27 49	16 34	11 1	11 16	14 39			n.a.
M13	16 51	10 6	0 17	9 47	0 12	9 58	1 7	20 14	0 20	23 55	0 12	14 28	1 56	18 35	0 10	18 23	1 30	27 50	16 34	11 1	11 15	14 37			n.a.
T 14	16 34	13 37	0n53	9 8	0 20	9 28	1 5	20 22	0 19	23 55	0 12	14 26	1 56	18 36	0 10	18 24	1 30	27 50	16 34	11 1	11 14	14 36			n.a.
W15	16 16	16 21	1 57	8 28	0 28	8 58	1 4	20 30	0 18	23 55	0 12	14 23	1 56	18 36	0 10	18 24	1 31	27 51	16 34	11 1	11 12	14 34			n.a.
T 16	15 58	18 15	2 55	7 48	0 36	8 28	1 2	20 38	0 17	23 55	0 13	14 21	1 56	18 36	0 10	18 24	1 31	27 51	16 34	11 0	11 11	14 33			n.a.
F 17	15 40	19 16	3 43	7 9	0 44	7 58	1 0	20 46	0 16	23 55	0 13	14 18	1 56	18 37	0 10	18 24	1 31	27 52	16 34	10 59	11 10	14 31			n.a.
S 18	15 22	19 22	4 21	6 30	0 52	7 27	0 58	20 53	0 15	23 54	0 13	14 16	1 56	18 37	0 10	18 24	1 31	27 52	16 34	10 57	11 9	14 30			n.a.
S 19	15 3	18 37	4 47	5 51	1 0	6 57	0 56	21 1	0 14	23 54	0 13	14 13	1 56	18 37	0 10	18 24	1 31	27 53	16 34	10 54	11 8	14 28			n.a.
M20	14 45	17 3	5 0	5 12	1 8	6 26	0 54	21 8	0 13	23 54	0 13	14 11	1 56	18 37	0 10	18 24	1 31	27 53	16 34	10 50	11 7	14 27			n.a.
T 21	14 25	14 46	5 1	4 34	1 16	5 55	0 52	21 15	0 12	23 54	0 13	14 8	1 56	18 37	0 10	18 24	1 31	27 54	16 34	10 46	11 6	14 25			n.a.
W22	14 6	11 52	4 48	3 56	1 24	5 24	0 49	21 22	0 11	23 54	0 13	14 6	1 56	18 38	0 10	18 24	1 31	27 54	16 34	10 41	11 4	14 24			n.a.
T 23	13 47	8 29	4 22	3 19	1 32	4 52	0 47	21 29	0 10	23 53	0 13	14 3	1 56	18 38	0 10	18 24	1 31	27 55	16 34	10 37	11 3	14 22			n.a.
F 24	13 27	4 44	3 45	2 42	1 40	4 21	0 45	21 36	0 9	23 53	0 14	14 1	1 56	18 38	0 10	18 25	1 31	27 55	16 35	10 33	11 2	14 21			n.a.
S 25	13 7	0 46	2 57	2 6	1 48	3 49	0 43	21 42	0 8	23 53	0 14	13 58	1 56	18 38	0 10	18 25	1 31	27 56	16 35	10 30	11 1	14 19			n.a.
S 26	12 47	3n16	2 1	1 30	1 56	3 18	0 40	21 49	0 7	23 53	0 14	13 56	1 56	18 38	0 10	18 25	1 31	27 56	16 35	10 28	11 0	14 18			n.a.
M27	12 26	7 14	0 58	0 55	2 3	2 46	0 38	21 55	0 6	23 52	0 14	13 53	1 56	18 38	0 10	18 25	1 31	27 57	16 35	10 27	10 59	14 16			n.a.
T 28	12 5	10 56	0s 9	0 21	2 11	2 14	0 35	22 1	0 4	23 52	0 14	13 50	1 56	18 38	0 10	18 25	1 31	27 57	16 35	10 27	10 58	14 15			n.a.
W29	11 45	14 12	1 17	0s12	2 19	1 42	0 33	22 7	0 3	23 52	0 14	13 48	1 56	18 38	0 10	18 25	1 31	27 58	16 35	10 27	10 56	14 13			n.a.
T 30	11 23	16 49	2 23	0 44	2 26	1 10	0 30	22 13	0 2	23 52	0 14	13 45	1 56	18 39	0 10	18 25	1 31	27 58	16 35	10 28	10 55	14 12			n.a.
F 31	11n 2	18n35	3s22	1s15	2s33	0n38	0n28	22n19	0s 1	23n51	0n15	13n43	1n56	18n39	0s10	18n25	1s31	27s59	16s35	10s28	10s54	14s10			n.a.

Julian Day Number = 1572978.5, Delta T = 04h16m26s
Ecliptic obliquity = 23°44'32, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'05, Lahiri = - 9°34'05 Julian Calendar 1 Aug. 407 BCE == Greg. Calendar 27 July 407 BCE

The year -406 astronomical counting style corresponds to year 407 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

SEPTEMBER 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 18 28	2♍35'38	21♊55	28♍16	0♎42	11♊11	6♋ 0	29♌19	23♉10	27♉41	27°R22	26°R47	27♎58	5♒41	n.a.	S 1
S 2	22 22 24	3°34'51	6♋14	29°11	1°56	11°42	6°10	29°27	23°10	27°41	27♒21	26♎43	27°55	5°47	n.a.	S 2
M 3	22 26 21	4°34'07	20°55	0♎ 4	3° 9	12°13	6°19	29°34	23°11	27°41	27°20	26°37	27°52	5°54	n.a.	M 3
T 4	22 30 17	5°33'26	5♌54	0°53	4°23	12°44	6°29	29°41	23°R11	27°41	27°19	26°30	27°48	6° 1	n.a.	T 4
W 5	22 34 14	6°32'46	21° 1	1°38	5°36	13°14	6°39	29°49	23°11	27°42	27°18	26°22	27°45	6° 8	n.a.	W 5
T 6	22 38 10	7°32'09	6♍ 7	2°20	6°50	13°44	6°48	29°56	23°10	27°R42	27°16	26°14	27°42	6°14	n.a.	T 6
F 7	22 42 7	8°31'34	21° 2	2°57	8° 3	14°14	6°57	0♍ 3	23°10	27°42	27°15	26° 8	27°39	6°21	n.a.	F 7
S 8	22 46 4	9°31'01	5♎38	3°29	9°17	14°44	7° 6	0°10	23°10	27°41	27°14	26° 5	27°36	6°28	n.a.	S 8
S 9	22 50 0	10°30'30	19°48	3°57	10°31	15°13	7°15	0°18	23°10	27°41	27°13	26°D 3	27°32	6°34	n.a.	S 9
M10	22 53 57	11°30'01	3♏30	4°18	11°44	15°43	7°24	0°25	23°10	27°41	27°12	26° 3	27°29	6°41	n.a.	M10
T 11	22 57 53	12°29'33	16°46	4°34	12°58	16°12	7°33	0°32	23° 9	27°41	27°11	26° 4	27°26	6°48	n.a.	T 11
W12	23 1 50	13°29'08	29°36	4°43	14°11	16°40	7°42	0°39	23° 9	27°41	27° 9	26° 5	27°23	6°55	n.a.	W12
T 13	23 5 46	14°28'45	12♐ 6	4°R45	15°24	17° 9	7°50	0°47	23° 8	27°41	27° 8	26°R 6	27°20	7° 1	n.a.	T 13
F 14	23 9 43	15°28'23	24°19	4°39	16°38	17°37	7°59	0°54	23° 8	27°40	27° 7	26° 6	27°17	7° 8	n.a.	F 14
S 15	23 13 39	16°28'04	6♑21	4°25	17°51	18° 5	8° 7	1° 1	23° 7	27°40	27° 6	26° 4	27°13	7°15	n.a.	S 15
S 16	23 17 36	17°27'46	18°16	4° 3	19° 5	18°33	8°15	1° 8	23° 7	27°40	27° 5	26° 0	27°10	7°21	n.a.	S 16
M17	23 21 33	18°27'30	0♒ 8	3°32	20°18	19° 0	8°23	1°15	23° 6	27°39	27° 4	25°54	27° 7	7°28	n.a.	M17
T 18	23 25 29	19°27'16	12° 1	2°52	21°31	19°27	8°31	1°22	23° 5	27°39	27° 3	25°48	27° 4	7°35	n.a.	T 18
W19	23 29 26	20°27'04	23°57	2° 4	22°45	19°54	8°39	1°29	23° 5	27°39	27° 2	25°41	27° 1	7°42	n.a.	W19
T 20	23 33 22	21°26'54	5♓59	1° 7	23°58	20°21	8°47	1°36	23° 4	27°38	27° 0	25°35	26°58	7°48	n.a.	T 20
F 21	23 37 19	22°26'45	18° 8	0° 4	25°11	20°47	8°54	1°44	23° 3	27°38	26°59	25°29	26°54	7°55	n.a.	F 21
S 22	23 41 15	23°26'39	0♈27	28♍55	26°24	21°13	9° 2	1°51	23° 2	27°37	26°58	25°25	26°51	8° 2	n.a.	S 22
S 23	23 45 12	24°26'35	12°54	27°41	27°38	21°39	9° 9	1°57	23° 1	27°37	26°57	25°23	26°48	8° 9	n.a.	S 23
M24	23 49 8	25°26'33	25°33	26°25	28°51	22° 4	9°16	2° 4	23° 0	27°36	26°56	25°D22	26°45	8°15	n.a.	M24
T 25	23 53 5	26°26'33	8♉23	25° 9	0♏ 4	22°29	9°23	2°11	22°59	27°35	26°55	25°23	26°42	8°22	n.a.	T 25
W26	23 57 1	27°26'35	21°27	23°55	1°17	22°54	9°30	2°18	22°58	27°35	26°54	25°24	26°38	8°29	n.a.	W26
T 27	0 0 58	28°26'40	4♊45	22°45	2°30	23°18	9°36	2°25	22°57	27°34	26°53	25°26	26°35	8°35	n.a.	T 27
F 28	0 4 55	29°26'47	18°18	21°43	3°43	23°42	9°43	2°32	22°56	27°33	26°52	25°27	26°32	8°42	n.a.	F 28
S 29	0 8 51	0♎26'56	2♋ 9	20°48	4°56	24° 6	9°49	2°39	22°54	27°33	26°51	25°R28	26°29	8°49	n.a.	S 29
S 30	0 12 48	1♎27'08	16♋16	20♍ 4	6♏ 9	24♊29	9♋56	2♍45	22♉53	27♉32	26♒50	25♎27	26♎26	8♒56	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	10n41	19n18	4s12	1s44	2s40	0n 6	0n25	22n24	0n 0	23n51	0n15	13n40	1n56	18n39	0s10	18n25	1s31	27s59	16s35	10s27	10s53	14s 9		n.a.	
S 2	10 19	18 49	4 47	2 13	2 46	0s26	0 22	22 30	0 1	23 51	0 15	13 38	1 57	18 39	0 10	18 25	1 31	27 59	16 35	10 26	10 52	14 7		n.a.	
M 3	9 57	17 4	5 5	2 39	2 53	0 58	0 20	22 35	0 3	23 50	0 15	13 35	1 57	18 39	0 10	18 25	1 31	28 0	16 34	10 24	10 51	14 6		n.a.	
T 4	9 35	14 9	5 3	3 5	2 58	1 30	0 17	22 40	0 4	23 50	0 15	13 33	1 57	18 39	0 10	18 25	1 31	28 0	16 34	10 21	10 50	14 4		n.a.	
W 5	9 13	10 16	4 39	3 28	3 4	2 2	0 14	22 45	0 5	23 50	0 15	13 30	1 57	18 39	0 10	18 25	1 31	28 1	16 34	10 18	10 48	14 3		n.a.	
T 6	8 51	5 44	3 56	3 49	3 9	2 34	0 11	22 50	0 6	23 49	0 15	13 27	1 57	18 39	0 10	18 25	1 31	28 1	16 34	10 15	10 47	14 1		n.a.	
F 7	8 29	0 53	2 57	4 8	3 13	3 6	0 8	22 55	0 7	23 49	0 16	13 25	1 57	18 39	0 10	18 25	1 32	28 1	16 34	10 13	10 46	14 0		n.a.	
S 8	8 6	3s55	1 48	4 25	3 17	3 38	0 6	23 0	0 9	23 49	0 16	13 22	1 57	18 39	0 10	18 25	1 32	28 2	16 34	10 12	10 45	13 58		n.a.	
S 9	7 43	8 21	0 34	4 39	3 20	4 10	0 3	23 5	0 10	23 48	0 16	13 20	1 57	18 39	0 10	18 24	1 32	28 2	16 34	10 11	10 44	13 57		n.a.	
M10	7 20	12 13	0n40	4 50	3 23	4 42	0s 0	23 9	0 11	23 48	0 16	13 17	1 57	18 39	0 10	18 24	1 32	28 2	16 34	10 11	10 43	13 55		n.a.	
T 11	6 57	15 18	1 50	4 57	3 24	5 14	0 3	23 14	0 13	23 48	0 16	13 15	1 57	18 38	0 10	18 24	1 32	28 3	16 34	10 11	10 41	13 54		n.a.	
W12	6 34	17 32	2 52	5 1	3 25	5 45	0 6	23 18	0 14	23 47	0 16	13 12	1 57	18 38	0 10	18 24	1 32	28 3	16 34	10 12	10 40	13 52		n.a.	
T 13	6 11	18 50	3 44	5 1	3 24	6 17	0 9	23 22	0 15	23 47	0 17	13 10	1 57	18 38	0 10	18 24	1 32	28 3	16 34	10 12	10 39	13 51		n.a.	
F 14	5 48	19 13	4 24	4 57	3 22	6 48	0 12	23 26	0 17	23 47	0 17	13 7	1 57	18 38	0 10	18 24	1 32	28 4	16 34	10 12	10 38	13 49		n.a.	
S 15	5 24	18 43	4 52	4 49	3 19	7 19	0 15	23 30	0 18	23 46	0 17	13 5	1 58	18 38	0 10	18 24	1 32	28 4	16 34	10 11	10 37	13 48		n.a.	
S 16	5 1	17 24	5 7	4 35	3 14	7 50	0 18	23 34	0 19	23 46	0 17	13 2	1 58	18 38	0 10	18 24	1 32	28 4	16 33	10 10	10 36	13 46		n.a.	
M17	4 37	15 20	5 9	4 17	3 8	8 21	0 21	23 38	0 21	23 46	0 17	13 0	1 58	18 38	0 10	18 24	1 32	28 5	16 33	10 8	10 34	13 44		n.a.	
T 18	4 14	12 38	4 58	3 53	2 59	8 52	0 24	23 41	0 22	23 45	0 17	12 57	1 58	18 37	0 10	18 24	1 32	28 5	16 33	10 6	10 33	13 43		n.a.	
W19	3 50	9 24	4 34	3 24	2 49	9 23	0 27	23 45	0 24	23 45	0 17	12 55	1 58	18 37	0 10	18 23	1 32	28 5	16 33	10 3	10 32	13 41		n.a.	
T 20	3 26	5 46	3 57	2 51	2 37	9 53	0 30	23 48	0 25	23 44	0 18	12 52	1 58	18 37	0 10	18 23	1 32	28 6	16 33	10 1	10 31	13 40		n.a.	
F 21	3 2	1 51	3 9	2 12	2 23	10 23	0 33	23 51	0 27	23 44	0 18	12 50	1 58	18 37	0 10	18 23	1 32	28 6	16 33	9 59	10 30	13 38		n.a.	
S 22	2 38	2n12	2 12	1 30	2 7	10 53	0 36	23 55	0 28	23 44	0 18	12 47	1 58	18 37	0 10	18 23	1 32	28 6	16 33	9 57	10 29	13 37		n.a.	
S 23	2 14	6 12	1 8	0 44	1 50	11 22	0 39	23 58	0 29	23 43	0 18	12 45	1 58	18 36	0 10	18 23	1 32	28 6	16 33	9 56	10 28	13 35		n.a.	
M24	1 50	9 59	0s 1	0n 3	1 31	11 52	0 43	24 1	0 31	23 43	0 18	12 43	1 59	18 36	0 10	18 23	1 32	28 7	16 32	9 56	10 26	13 34		n.a.	
T 25	1 26	13 22	1 11	0 52	1 11	12 21	0 46	24 4	0 33	23 43	0 18	12 40	1 59	18 36	0 10	18 22	1 32	28 7	16 32	9 56	10 25	13 32		n.a.	
W26	1 2	16 8	2 18	1 41	0 50	12 50	0 49	24 7	0 34	23 42	0 19	12 38	1 59	18 36	0 10	18 22	1 32	28 7	16 32	9 57	10 24	13 31		n.a.	
T 27	0 38	18 5	3 20	2 27	0 30	13 18	0 52	24 10	0 36	23 42	0 19	12 35	1 59	18 35	0 10	18 22	1 32	28 7	16 32	9 57	10 23	13 29		n.a.	
F 28	0 13	19 3	4 11	3 11	0 9	13 46	0 55	24 13	0 37	23 42	0 19	12 33	1 59	18 35	0 10	18 22	1 32	28 7	16 32	9 58	10 22	13 27		n.a.	
S 29	0s11	18 54	4 49	3 51	0n10	14 14	0 58	24 15	0 39	23 42	0 19	12 31	1 59	18 35	0 10	18 22	1 32	28 8	16 31	9 58	10 21	13 26		n.a.	
S 30	0s35	17n36	5s11	4n26	0n29	14s42	1s 1	24n18	0n41	23n41	0n19	12n28	1n59	18n34	0s10	18n21	1s32	28s 8	16s31	9s58	10s19	13s24		n.a.	

Julian Day Number = 1573009.5, Delta T = 04h16m25s
Ecliptic obliquity = 23°44'32, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°41'01, Lahiri = - 9°34'00 Julian Calendar 1 Sept. 407 BCE == Greg. Calendar 27 Aug. 407 BCE

The year -406 astronomical counting style corresponds to year 407 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

OCTOBER 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	0 16 44	2♎27'21	0♌39	19°R30	7♏22	24♊52	10♋ 2	2♍52	22°R52	27°R31	26°R49	25°R25	26♎23	9♒ 2	n.a.	M 1
T 2	0 20 41	3°27'37	15°14	19♍ 8	8°35	25°14	10° 8	2°59	22♉50	27♉30	26♒48	25♎22	26°19	9° 9	n.a.	T 2
W 3	0 24 37	4°27'55	29°56	18°D58	9°48	25°37	10°13	3° 6	22°49	27°29	26°47	25°20	26°16	9°16	n.a.	W 3
T 4	0 28 34	5°28'15	14♍38	18°59	11° 1	25°58	10°19	3°12	22°48	27°29	26°47	25°17	26°13	9°22	n.a.	T 4
F 5	0 32 30	6°28'37	29°14	19°11	12°14	26°20	10°24	3°19	22°46	27°28	26°46	25°15	26°10	9°29	n.a.	F 5
S 6	0 36 27	7°29'00	13♎37	19°33	13°27	26°41	10°30	3°25	22°45	27°27	26°45	25°13	26° 7	9°36	n.a.	S 6
S 7	0 40 24	8°29'26	27°40	20° 5	14°40	27° 1	10°35	3°32	22°43	27°26	26°44	25°D13	26° 3	9°43	n.a.	S 7
M 8	0 44 20	9°29'53	11♏22	20°45	15°53	27°21	10°40	3°38	22°41	27°25	26°43	25°14	26° 0	9°49	n.a.	M 8
T 9	0 48 17	10°30'22	24°39	21°33	17° 5	27°41	10°44	3°44	22°40	27°24	26°42	25°15	25°57	9°56	n.a.	T 9
W10	0 52 13	11°30'53	7♐34	22°28	18°18	28° 0	10°49	3°51	22°38	27°23	26°41	25°16	25°54	10° 3	n.a.	W10
T 11	0 56 10	12°31'25	20° 8	23°29	19°31	28°19	10°53	3°57	22°36	27°22	26°41	25°17	25°51	10°10	n.a.	T 11
F 12	1 0 6	13°31'58	2♑25	24°35	20°43	28°37	10°58	4° 3	22°34	27°20	26°40	25°18	25°48	10°16	n.a.	F 12
S 13	1 4 3	14°32'33	14°29	25°46	21°56	28°55	11° 2	4° 9	22°32	27°19	26°39	25°R18	25°44	10°23	n.a.	S 13
S 14	1 7 59	15°33'09	26°25	27° 1	23° 9	29°12	11° 6	4°16	22°31	27°18	26°38	25°18	25°41	10°30	n.a.	S 14
M15	1 11 56	16°33'46	8♒17	28°19	24°21	29°29	11° 9	4°22	22°29	27°17	26°38	25°17	25°38	10°36	n.a.	M15
T 16	1 15 52	17°34'25	20°10	29°40	25°34	29°45	11°13	4°28	22°27	27°16	26°37	25°16	25°35	10°43	n.a.	T 16
W17	1 19 49	18°35'05	2♓ 9	1♎ 3	26°46	0♋ 1	11°16	4°34	22°25	27°14	26°36	25°15	25°32	10°50	n.a.	W17
T 18	1 23 46	19°35'47	14°15	2°28	27°59	0°16	11°19	4°40	22°23	27°13	26°36	25°14	25°29	10°57	n.a.	T 18
F 19	1 27 42	20°36'29	26°33	3°55	29°11	0°31	11°22	4°45	22°21	27°12	26°35	25°14	25°25	11° 3	n.a.	F 19
S 20	1 31 39	21°37'13	9♈ 5	5°23	0♐23	0°45	11°25	4°51	22°19	27°11	26°34	25°13	25°22	11°10	n.a.	S 20
S 21	1 35 35	22°37'59	21°50	6°53	1°35	0°59	11°28	4°57	22°17	27° 9	26°34	25°D13	25°19	11°17	n.a.	S 21
M22	1 39 32	23°38'46	4♉50	8°23	2°48	1°12	11°30	5° 3	22°14	27° 8	26°33	25°13	25°16	11°23	n.a.	M22
T 23	1 43 28	24°39'34	18° 4	9°54	4° 0	1°24	11°32	5° 8	22°12	27° 7	26°33	25°13	25°13	11°30	n.a.	T 23
W24	1 47 25	25°40'24	1♊32	11°26	5°12	1°36	11°34	5°14	22°10	27° 5	26°32	25°R13	25° 9	11°37	n.a.	W24
T 25	1 51 21	26°41'16	15°11	12°58	6°24	1°47	11°36	5°19	22° 8	27° 4	26°32	25°13	25° 6	11°44	n.a.	T 25
F 26	1 55 18	27°42'09	29° 2	14°31	7°36	1°58	11°38	5°25	22° 6	27° 2	26°31	25°13	25° 3	11°50	n.a.	F 26
S 27	1 59 15	28°43'03	13♋ 1	16° 4	8°48	2° 8	11°39	5°30	22° 3	27° 1	26°31	25°13	25° 0	11°57	n.a.	S 27
S 28	2 3 11	29°43'59	27° 7	17°37	10° 0	2°17	11°41	5°35	22° 1	26°59	26°30	25°D13	24°57	12° 4	n.a.	S 28
M29	2 7 8	0♏44'57	11♌18	19°10	11°11	2°26	11°42	5°40	21°59	26°58	26°30	25°13	24°54	12°10	n.a.	M29
T 30	2 11 4	1°45'56	25°33	20°44	12°23	2°34	11°43	5°46	21°56	26°57	26°29	25°13	24°50	12°17	n.a.	T 30
W31	2 15 1	2♏46'56	9♍48	22♎17	13♐35	2♋41	11♋43	5♍51	21♉54	26♉55	26♒29	25♎14	24♎47	12♒24	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	0s59	15n10	5s13	4n55	0n47	15s 9	1s 4	24n21	0n42	23n41	0n20	12n26	1n59	18n34	0s10	18n21	1s32	28s 8	16s31	9s57	10s18	13s23			n.a.
T 2	1 24	11 45	4 56	5 19	1 3	15 36	1 7	24 23	0 44	23 41	0 20	12 24	2 0	18 34	0 10	18 21	1 33	28 8	16 31	9 56	10 17	13 21			n.a.
W 3	1 48	7 36	4 19	5 36	1 17	16 2	1 10	24 26	0 46	23 40	0 20	12 21	2 0	18 33	0 10	18 21	1 33	28 8	16 31	9 55	10 16	13 20			n.a.
T 4	2 12	2 58	3 25	5 47	1 30	16 28	1 12	24 28	0 47	23 40	0 20	12 19	2 0	18 33	0 10	18 21	1 33	28 8	16 30	9 54	10 15	13 18			n.a.
F 5	2 36	1s48	2 19	5 52	1 40	16 54	1 15	24 30	0 49	23 40	0 20	12 17	2 0	18 33	0 10	18 20	1 33	28 8	16 30	9 53	10 14	13 17			n.a.
S 6	3 0	6 25	1 4	5 52	1 50	17 19	1 18	24 33	0 51	23 40	0 20	12 15	2 0	18 32	0 10	18 20	1 33	28 8	16 30	9 53	10 12	13 15			n.a.
S 7	3 24	10 34	0n14	5 46	1 57	17 44	1 21	24 35	0 53	23 39	0 21	12 12	2 0	18 32	0 10	18 20	1 33	28 9	16 30	9 53	10 11	13 13			n.a.
M 8	3 49	14 2	1 28	5 36	2 3	18 8	1 24	24 37	0 54	23 39	0 21	12 10	2 1	18 31	0 10	18 20	1 33	28 9	16 29	9 53	10 10	13 12			n.a.
T 9	4 13	16 39	2 36	5 21	2 8	18 32	1 27	24 40	0 56	23 39	0 21	12 8	2 1	18 31	0 10	18 19	1 33	28 9	16 29	9 53	10 9	13 10			n.a.
W10	4 37	18 20	3 33	5 2	2 11	18 55	1 29	24 42	0 58	23 39	0 21	12 6	2 1	18 30	0 10	18 19	1 33	28 9	16 29	9 54	10 8	13 9			n.a.
T 11	5 1	19 4	4 19	4 39	2 14	19 18	1 32	24 44	1 0	23 39	0 21	12 4	2 1	18 30	0 10	18 19	1 33	28 9	16 29	9 54	10 7	13 7			n.a.
F 12	5 24	18 51	4 52	4 14	2 15	19 41	1 35	24 46	1 2	23 38	0 22	12 1	2 1	18 30	0 10	18 18	1 33	28 9	16 28	9 54	10 5	13 6			n.a.
S 13	5 48	17 47	5 11	3 45	2 15	20 3	1 37	24 48	1 4	23 38	0 22	11 59	2 1	18 29	0 10	18 18	1 33	28 9	16 28	9 55	10 4	13 4			n.a.
S 14	6 12	15 57	5 17	3 15	2 14	20 24	1 40	24 50	1 6	23 38	0 22	11 57	2 2	18 29	0 10	18 18	1 33	28 9	16 28	9 54	10 3	13 2			n.a.
M15	6 35	13 27	5 9	2 42	2 12	20 45	1 42	24 52	1 8	23 38	0 22	11 55	2 2	18 28	0 10	18 18	1 33	28 9	16 28	9 54	10 2	13 1			n.a.
T 16	6 59	10 24	4 48	2 7	2 10	21 5	1 45	24 54	1 10	23 38	0 22	11 53	2 2	18 28	0 10	18 17	1 33	28 9	16 27	9 54	10 1	12 59			n.a.
W17	7 22	6 54	4 14	1 31	2 7	21 25	1 47	24 56	1 12	23 38	0 22	11 51	2 2	18 27	0 10	18 17	1 33	28 9	16 27	9 53	10 0	12 58			n.a.
T 18	7 46	3 4	3 28	0 54	2 4	21 44	1 49	24 58	1 14	23 38	0 23	11 49	2 2	18 27	0 10	18 17	1 33	28 9	16 27	9 53	9 58	12 56			n.a.
F 19	8 9	0n56	2 32	0 15	2 0	22 3	1 52	25 0	1 16	23 38	0 23	11 47	2 2	18 26	0 10	18 16	1 33	28 9	16 27	9 53	9 57	12 55			n.a.
S 20	8 32	5 0	1 28	0s24	1 55	22 21	1 54	25 2	1 18	23 38	0 23	11 45	2 3	18 26	0 10	18 16	1 33	28 9	16 26	9 53	9 56	12 53			n.a.
S 21	8 55	8 54	0 19	1 5	1 50	22 38	1 56	25 4	1 20	23 38	0 23	11 43	2 3	18 25	0 10	18 16	1 33	28 9	16 26	9 53	9 55	12 51			n.a.
M22	9 18	12 28	0s53	1 45	1 45	22 55	1 58	25 7	1 22	23 38	0 23	11 41	2 3	18 24	0 10	18 15	1 33	28 9	16 26	9 53	9 54	12 50			n.a.
T 23	9 40	15 27	2 4	2 27	1 40	23 11	2 0	25 9	1 24	23 38	0 24	11 39	2 3	18 24	0 10	18 15	1 33	28 9	16 25	9 53	9 52	12 48			n.a.
W24	10 3	17 39	3 8	3 8	1 34	23 26	2 2	25 11	1 27	23 38	0 24	11 37	2 3	18 23	0 10	18 15	1 33	28 9	16 25	9 53	9 51	12 47			n.a.
T 25	10 25	18 53	4 3	3 50	1 28	23 41	2 4	25 13	1 29	23 38	0 24	11 35	2 4	18 23	0 10	18 14	1 33	28 8	16 25	9 53	9 50	12 45			n.a.
F 26	10 47	18 59	4 45	4 32	1 22	23 55	2 6	25 15	1 31	23 38	0 24	11 34	2 4	18 22	0 10	18 14	1 33	28 8	16 24	9 53	9 49	12 43			n.a.
S 27	11 9	17 57	5 10	5 14	1 16	24 9	2 8	25 17	1 33	23 38	0 24	11 32	2 4	18 22	0 10	18 14	1 33	28 8	16 24	9 53	9 48	12 42			n.a.
S 28	11 31	15 49	5 17	5 56	1 10	24 22	2 9	25 19	1 36	23 38	0 25	11 30	2 4	18 21	0 10	18 13	1 33	28 8	16 24	9 52	9 47	12 40			n.a.
M29	11 53	12 43	5 5	6 38	1 3	24 34	2 11	25 21	1 38	23 38	0 25	11 28	2 4	18 20	0 9	18 13	1 33	28 8	16 23	9 53	9 45	12 39			n.a.
T 30	12 14	8 52	4 34	7 19	0 57	24 45	2 12	25 24	1 41	23 38	0 25	11 27	2 5	18 20	0 9	18 13	1 33	28 8	16 23	9 53	9 44	12 37			n.a.
W31	12s35	4n30	3s46	8s 1	0n50	24s56	2s14	25n26	1n43	23n38	0n25	11n25	2n 5	18n19	0s 9	18n12	1s33	28s 8	16s23	9s53	9s43	12s35			n.a.

Julian Day Number = 1573039.5, Delta T = 04h16m24s
Ecliptic obliquity = 23°44'32, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'57, Lahiri = - 9°33'56 Julian Calendar 1 Oct. 407 BCE == Greg. Calendar 26 Sept. 407 BCE

The year -406 astronomical counting style corresponds to year 407 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

NOVEMBER 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 18 57	3♏47'58	24♍ 1	23♎51	14♐46	2♋48	11♋44	5♍56	21°R52	26°R53	26°R29	25♎14	24♎44	12♒31	n.a.	T 1
F 2	2 22 54	4°49'01	8♎ 8	25°25	15°58	2°54	11°44	6° 1	21♉49	26♉52	26♒28	25°15	24°41	12°37	n.a.	F 2
S 3	2 26 50	5°50'05	22° 5	26°58	17° 9	2°59	11°R44	6° 5	21°47	26°50	26°28	25°R16	24°38	12°44	n.a.	S 3
S 4	2 30 47	6°51'10	5♏49	28°32	18°21	3° 4	11°44	6°10	21°44	26°49	26°28	25°15	24°34	12°51	n.a.	S 4
M 5	2 34 44	7°52'17	19°17	0♏ 6	19°32	3° 8	11°44	6°15	21°42	26°47	26°27	25°15	24°31	12°57	n.a.	M 5
T 6	2 38 40	8°53'24	2♐27	1°40	20°43	3°11	11°43	6°20	21°39	26°46	26°27	25°13	24°28	13° 4	n.a.	T 6
W 7	2 42 37	9°54'32	15°19	3°14	21°54	3°13	11°43	6°24	21°37	26°44	26°27	25°11	24°25	13°11	n.a.	W 7
T 8	2 46 33	10°55'40	27°53	4°48	23° 6	3°14	11°42	6°29	21°34	26°42	26°27	25° 8	24°22	13°18	n.a.	T 8
F 9	2 50 30	11°56'50	10♑12	6°22	24°17	3°R15	11°41	6°33	21°32	26°41	26°27	25° 6	24°19	13°24	n.a.	F 9
S 10	2 54 26	12°57'59	22°17	7°56	25°27	3°15	11°39	6°37	21°29	26°39	26°26	25° 4	24°15	13°31	n.a.	S 10
S 11	2 58 23	13°59'10	4♒14	9°30	26°38	3°14	11°38	6°41	21°27	26°37	26°26	25° 3	24°12	13°38	n.a.	S 11
M12	3 2 19	15° 0'20	16° 6	11° 4	27°49	3°12	11°36	6°45	21°24	26°36	26°26	25°D 3	24° 9	13°44	n.a.	M12
T 13	3 6 16	16° 1'31	27°59	12°38	29° 0	3°10	11°34	6°50	21°22	26°34	26°26	25° 3	24° 6	13°51	n.a.	T 13
W14	3 10 13	17° 2'43	9♓57	14°12	0♑10	3° 7	11°32	6°53	21°19	26°32	26°26	25° 4	24° 3	13°58	n.a.	W14
T 15	3 14 9	18° 3'54	22° 4	15°46	1°20	3° 2	11°30	6°57	21°17	26°31	26°26	25° 6	24° 0	14° 5	n.a.	T 15
F 16	3 18 6	19° 5'06	4♈26	17°21	2°31	2°58	11°27	7° 1	21°14	26°29	26°D26	25° 8	23°56	14°11	n.a.	F 16
S 17	3 22 2	20° 6'18	17° 5	18°56	3°41	2°52	11°25	7° 5	21°12	26°27	26°26	25° 9	23°53	14°18	n.a.	S 17
S 18	3 25 59	21° 7'31	0♉ 4	20°30	4°51	2°45	11°22	7° 8	21° 9	26°26	26°26	25°R 9	23°50	14°25	n.a.	S 18
M19	3 29 55	22° 8'44	13°24	22° 5	6° 1	2°38	11°19	7°12	21° 6	26°24	26°26	25° 8	23°47	14°31	n.a.	M19
T 20	3 33 52	23° 9'57	27° 3	23°40	7°11	2°30	11°16	7°15	21° 4	26°22	26°26	25° 5	23°44	14°38	n.a.	T 20
W21	3 37 48	24°11'11	10♊59	25°16	8°20	2°21	11°12	7°19	21° 1	26°21	26°26	25° 1	23°40	14°45	n.a.	W21
T 22	3 41 45	25°12'25	25° 9	26°51	9°30	2°11	11° 9	7°22	20°59	26°19	26°27	24°57	23°37	14°52	n.a.	T 22
F 23	3 45 42	26°13'40	9♋27	28°27	10°39	2° 0	11° 5	7°25	20°56	26°17	26°27	24°52	23°34	14°58	n.a.	F 23
S 24	3 49 38	27°14'55	23°48	0♐ 3	11°48	1°49	11° 1	7°28	20°54	26°16	26°27	24°48	23°31	15° 5	n.a.	S 24
S 25	3 53 35	28°16'10	8♌ 7	1°39	12°57	1°36	10°57	7°31	20°51	26°14	26°27	24°44	23°28	15°12	n.a.	S 25
M26	3 57 31	29°17'26	22°22	3°16	14° 6	1°23	10°53	7°34	20°49	26°12	26°27	24°43	23°25	15°18	n.a.	M26
T 27	4 1 28	0♐18'42	6♍29	4°53	15°15	1° 9	10°48	7°37	20°46	26°10	26°28	24°D43	23°21	15°25	n.a.	T 27
W28	4 5 24	1°19'59	20°27	6°30	16°24	0°55	10°43	7°39	20°44	26° 9	26°28	24°44	23°18	15°32	n.a.	W28
T 29	4 9 21	2°21'16	4♎16	8° 7	17°32	0°39	10°39	7°42	20°41	26° 7	26°28	24°45	23°15	15°39	n.a.	T 29
F 30	4 13 18	3♐22'33	17♎55	9♐45	18♑40	0♋23	10♋34	7♍44	20♉39	26♉ 5	26♒28	24°R47	23♎12	15♒45	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s57	0s 7	2s45	8s42	0n43	25s 6	2s15	25n28	1n45	23n38	0n25	11n23	2n 5	18n19	0s 9	18n12	1s33	28s 8	16s22	9s53	9s42	12s34		n.a.
F 2	13 17	4 42	1 34	9 23	0 36	25 15	2 17	25 30	1 48	23 39	0 26	11 22	2 5	18 18	0 9	18 11	1 33	28 7	16 22	9 53	9 41	12 32		n.a.
S 3	13 38	8 59	0 18	10 4	0 30	25 24	2 18	25 33	1 50	23 39	0 26	11 20	2 6	18 17	0 9	18 11	1 33	28 7	16 22	9 54	9 40	12 31		n.a.
S 4	13 58	12 43	0n58	10 44	0 23	25 32	2 19	25 35	1 53	23 39	0 26	11 18	2 6	18 17	0 9	18 11	1 33	28 7	16 21	9 54	9 38	12 29		n.a.
M 5	14 19	15 42	2 9	11 24	0 16	25 39	2 20	25 38	1 55	23 39	0 26	11 17	2 6	18 16	0 9	18 10	1 33	28 7	16 21	9 53	9 37	12 27		n.a.
T 6	14 39	17 47	3 12	12 3	0 9	25 45	2 21	25 40	1 58	23 39	0 26	11 15	2 6	18 15	0 9	18 10	1 33	28 6	16 21	9 53	9 36	12 26		n.a.
W 7	14 58	18 54	4 3	12 42	0 3	25 51	2 22	25 43	2 0	23 40	0 27	11 14	2 6	18 15	0 9	18 10	1 33	28 6	16 20	9 52	9 35	12 24		n.a.
T 8	15 18	19 3	4 41	13 21	0s 4	25 56	2 22	25 45	2 3	23 40	0 27	11 12	2 7	18 14	0 9	18 9	1 33	28 6	16 20	9 51	9 34	12 22		n.a.
F 9	15 37	18 17	5 5	13 59	0 11	26 0	2 23	25 48	2 6	23 40	0 27	11 11	2 7	18 13	0 9	18 9	1 33	28 6	16 20	9 50	9 32	12 21		n.a.
S 10	15 56	16 41	5 15	14 36	0 17	26 3	2 23	25 50	2 8	23 41	0 27	11 9	2 7	18 13	0 9	18 8	1 33	28 5	16 19	9 49	9 31	12 19		n.a.
S 11	16 14	14 24	5 12	15 13	0 24	26 6	2 24	25 53	2 11	23 41	0 28	11 8	2 7	18 12	0 9	18 8	1 33	28 5	16 19	9 49	9 30	12 18		n.a.
M12	16 33	11 31	4 55	15 49	0 30	26 8	2 24	25 56	2 14	23 41	0 28	11 7	2 8	18 11	0 9	18 8	1 33	28 5	16 19	9 49	9 29	12 16		n.a.
T 13	16 51	8 11	4 25	16 24	0 36	26 9	2 24	25 58	2 16	23 42	0 28	11 6	2 8	18 11	0 9	18 7	1 33	28 5	16 18	9 49	9 28	12 14		n.a.
W14	17 8	4 29	3 44	16 59	0 42	26 9	2 24	26 1	2 19	23 42	0 28	11 4	2 8	18 10	0 9	18 7	1 33	28 4	16 18	9 49	9 27	12 13		n.a.
T 15	17 26	0 33	2 52	17 32	0 48	26 9	2 24	26 4	2 22	23 42	0 28	11 3	2 8	18 9	0 9	18 6	1 33	28 4	16 18	9 50	9 25	12 11		n.a.
F 16	17 43	3n29	1 52	18 6	0 54	26 7	2 24	26 7	2 24	23 43	0 29	11 2	2 9	18 9	0 9	18 6	1 33	28 4	16 17	9 51	9 24	12 10		n.a.
S 17	18 0	7 28	0 44	18 38	1 0	26 5	2 24	26 10	2 27	23 43	0 29	11 1	2 9	18 8	0 9	18 6	1 33	28 3	16 17	9 51	9 23	12 8		n.a.
S 18	18 16	11 13	0s27	19 9	1 6	26 3	2 24	26 13	2 30	23 44	0 29	11 0	2 9	18 7	0 9	18 5	1 33	28 3	16 17	9 51	9 22	12 6		n.a.
M19	18 32	14 30	1 39	19 40	1 11	25 59	2 23	26 15	2 33	23 44	0 29	10 58	2 9	18 7	0 9	18 5	1 33	28 3	16 16	9 51	9 21	12 5		n.a.
T 20	18 48	17 3	2 46	20 10	1 17	25 55	2 23	26 18	2 35	23 45	0 29	10 57	2 10	18 6	0 9	18 5	1 33	28 2	16 16	9 50	9 19	12 3		n.a.
W21	19 3	18 40	3 45	20 38	1 22	25 50	2 22	26 21	2 38	23 45	0 30	10 56	2 10	18 5	0 9	18 4	1 33	28 2	16 16	9 48	9 18	12 1		n.a.
T 22	19 18	19 8	4 31	21 6	1 27	25 45	2 21	26 24	2 41	23 46	0 30	10 55	2 10	18 5	0 9	18 4	1 33	28 2	16 15	9 47	9 17	12 0		n.a.
F 23	19 33	18 24	5 1	21 33	1 31	25 38	2 20	26 27	2 43	23 46	0 30	10 54	2 10	18 4	0 9	18 3	1 33	28 1	16 15	9 45	9 16	11 58		n.a.
S 24	19 48	16 30	5 12	21 59	1 36	25 31	2 19	26 30	2 46	23 47	0 30	10 54	2 11	18 3	0 9	18 3	1 33	28 1	16 15	9 43	9 15	11 56		n.a.
S 25	20 2	13 35	5 4	22 23	1 40	25 24	2 18	26 33	2 49	23 47	0 30	10 53	2 11	18 3	0 9	18 3	1 33	28 0	16 14	9 42	9 13	11 55		n.a.
M26	20 15	9 52	4 37	22 46	1 44	25 15	2 17	26 36	2 52	23 48	0 31	10 52	2 11	18 2	0 9	18 2	1 33	28 0	16 14	9 41	9 12	11 53		n.a.
T 27	20 28	5 38	3 53	23 9	1 48	25 6	2 15	26 38	2 54	23 49	0 31	10 51	2 12	18 1	0 9	18 2	1 33	28 0	16 13	9 41	9 11	11 52		n.a.
W28	20 41	1 8	2 56	23 29	1 51	24 56	2 14	26 41	2 57	23 49	0 31	10 50	2 12	18 1	0 9	18 1	1 33	27 59	16 13	9 42	9 10	11 50		n.a.
T 29	20 54	3s23	1 49	23 49	1 54	24 46	2 12	26 44	2 59	23 50	0 31	10 50	2 12	18 0	0 9	18 1	1 33	27 59	16 13	9 42	9 9	11 48		n.a.
F 30	21s 6	7s41	0s37	24s 7	1s57	24s35	2s10	26n47	3n 2	23n50	0n31	10n49	2n12	17n59	0s 9	18n 1	1s33	27s58	16s12	9s43	9s 8	11s47		n.a.

Julian Day Number = 1573070.5, Delta T = 04h16m23s
Ecliptic obliquity = 23°44'32, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'53, Lahiri = - 9°33'52 Julian Calendar 1 Nov. 407 BCE == Greg. Calendar 27 Oct. 407 BCE

The year -406 astronomical counting style corresponds to year 407 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 407 BCE
geocentric

DECEMBER 407 BCE (-406) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 17 14	4♐23'50	1♏24	11♐23	19♑48	0°R 6	10°R28	7♍47	20°R36	26°R 4	26♒29	24°R47	23♎ 9	15♒52	n.a.	S 1
S 2	4 21 11	5°25'07	14°42	13° 1	20°56	29♊48	10♋23	7°49	20♉34	26♉ 2	26°29	24♎45	23° 6	15°59	n.a.	S 2
M 3	4 25 7	6°26'25	27°48	14°39	22° 4	29°30	10°18	7°51	20°31	26° 0	26°30	24°41	23° 2	16° 5	n.a.	M 3
T 4	4 29 4	7°27'42	10♐42	16°18	23°12	29°11	10°12	7°53	20°29	25°59	26°30	24°35	22°59	16°12	n.a.	T 4
W 5	4 33 0	8°28'59	23°23	17°56	24°19	28°52	10° 6	7°55	20°26	25°57	26°31	24°27	22°56	16°19	n.a.	W 5
T 6	4 36 57	9°30'16	5♑50	19°35	25°26	28°31	10° 0	7°57	20°24	25°55	26°31	24°18	22°53	16°26	n.a.	T 6
F 7	4 40 53	10°31'32	18° 5	21°14	26°33	28°11	9°54	7°59	20°22	25°54	26°31	24° 9	22°50	16°32	n.a.	F 7
S 8	4 44 50	11°32'48	0♒ 9	22°53	27°40	27°50	9°48	8° 0	20°19	25°52	26°32	24° 1	22°46	16°39	n.a.	S 8
S 9	4 48 47	12°34'03	12° 5	24°32	28°46	27°28	9°42	8° 2	20°17	25°50	26°33	23°54	22°43	16°46	n.a.	S 9
M10	4 52 43	13°35'18	23°56	26°10	29°52	27° 6	9°35	8° 3	20°15	25°49	26°33	23°50	22°40	16°52	n.a.	M10
T 11	4 56 40	14°36'31	5♓47	27°48	0♒58	26°43	9°29	8° 5	20°12	25°47	26°34	23°47	22°37	16°59	n.a.	T 11
W12	5 0 36	15°37'44	17°42	29°26	2° 4	26°20	9°22	8° 6	20°10	25°46	26°34	23°D47	22°34	17° 6	n.a.	W12
T 13	5 4 33	16°38'56	29°46	1♑ 3	3°10	25°57	9°15	8° 7	20° 8	25°44	26°35	23°48	22°31	17°13	n.a.	T 13
F 14	5 8 29	17°40'08	12♈ 6	2°39	4°15	25°34	9° 8	8° 8	20° 6	25°42	26°36	23°49	22°27	17°19	n.a.	F 14
S 15	5 12 26	18°41'18	24°45	4°14	5°20	25°10	9° 1	8° 9	20° 3	25°41	26°36	23°R49	22°24	17°26	n.a.	S 15
S 16	5 16 22	19°42'28	7♉49	5°47	6°24	24°46	8°54	8°10	20° 1	25°39	26°37	23°48	22°21	17°33	n.a.	S 16
M17	5 20 19	20°43'36	21°18	7°19	7°29	24°22	8°47	8°10	19°59	25°38	26°38	23°45	22°18	17°39	n.a.	M17
T 18	5 24 16	21°44'44	5♊13	8°48	8°32	23°58	8°39	8°11	19°57	25°36	26°38	23°39	22°15	17°46	n.a.	T 18
W19	5 28 12	22°45'51	19°32	10°14	9°36	23°34	8°32	8°11	19°55	25°35	26°39	23°31	22°12	17°53	n.a.	W19
T 20	5 32 9	23°46'57	4♋ 9	11°37	10°39	23°10	8°25	8°12	19°53	25°33	26°40	23°22	22° 8	18° 0	n.a.	T 20
F 21	5 36 5	24°48'03	18°56	12°57	11°42	22°46	8°17	8°12	19°51	25°32	26°41	23°12	22° 5	18° 6	n.a.	F 21
S 22	5 40 2	25°49'08	3♌46	14°11	12°45	22°22	8° 9	8°12	19°49	25°31	26°42	23° 2	22° 2	18°13	n.a.	S 22
S 23	5 43 58	26°50'11	18°30	15°21	13°47	21°59	8° 2	8°R12	19°47	25°29	26°42	22°55	21°59	18°20	n.a.	S 23
M24	5 47 55	27°51'15	3♍ 1	16°24	14°49	21°35	7°54	8°12	19°45	25°28	26°43	22°50	21°56	18°26	n.a.	M24
T 25	5 51 52	28°52'17	17°16	17°21	15°50	21°12	7°46	8°12	19°43	25°26	26°44	22°47	21°52	18°33	n.a.	T 25
W26	5 55 48	29°53'19	1♎13	18°10	16°51	20°49	7°38	8°12	19°42	25°25	26°45	22°D47	21°49	18°40	n.a.	W26
T 27	5 59 45	0♑54'20	14°51	18°50	17°52	20°26	7°30	8°11	19°40	25°24	26°46	22°47	21°46	18°47	n.a.	T 27
F 28	6 3 41	1°55'20	28°14	19°21	18°52	20° 4	7°23	8°11	19°38	25°22	26°47	22°R47	21°43	18°53	n.a.	F 28
S 29	6 7 38	2°56'19	11♏22	19°42	19°52	19°42	7°15	8°10	19°36	25°21	26°48	22°46	21°40	19° 0	n.a.	S 29
S 30	6 11 34	3°57'17	24°18	19°R52	20°51	19°20	7° 7	8°10	19°35	25°20	26°49	22°42	21°37	19° 7	n.a.	S 30
M31	6 15 31	4♑58'15	7♐ 3	19♑51	21♒50	18♊59	6♋59	8♍ 9	19♉33	25♉19	26♒50	22♎35	21♎33	19♒13	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21s17	11s33	0n36	24s24	2s 0	24s23	2s 9	26n49	3n 5	23n51	0n32	10n48	2n13	17n59	0s 9	18n 0	1s33	27s58	16s12	9s43	9s 6	11s45		n.a.
S 2	21 29	14 46	1 46	24 40	2 2	24 10	2 7	26 52	3 7	23 52	0 32	10 48	2 13	17 58	0 9	18 0	1 33	27 57	16 12	9 42	9 5	11 43		n.a.
M 3	21 39	17 10	2 49	24 53	2 4	23 57	2 4	26 54	3 10	23 52	0 32	10 47	2 13	17 57	0 9	17 59	1 33	27 57	16 11	9 41	9 4	11 42		n.a.
T 4	21 50	18 40	3 43	25 6	2 5	23 43	2 2	26 56	3 12	23 53	0 32	10 47	2 13	17 57	0 9	17 59	1 33	27 56	16 11	9 38	9 3	11 40		n.a.
W 5	22 0	19 11	4 24	25 17	2 6	23 29	2 0	26 59	3 14	23 53	0 32	10 46	2 14	17 56	0 9	17 59	1 33	27 56	16 11	9 35	9 2	11 38		n.a.
T 6	22 9	18 45	4 52	25 26	2 6	23 14	1 57	27 1	3 17	23 54	0 33	10 46	2 14	17 56	0 9	17 58	1 33	27 55	16 10	9 32	9 0	11 37		n.a.
F 7	22 18	17 27	5 6	25 33	2 6	22 59	1 54	27 3	3 19	23 55	0 33	10 45	2 14	17 55	0 9	17 58	1 33	27 55	16 10	9 29	8 59	11 35		n.a.
S 8	22 27	15 24	5 6	25 39	2 6	22 43	1 51	27 5	3 21	23 55	0 33	10 45	2 15	17 54	0 9	17 58	1 33	27 54	16 10	9 26	8 58	11 33		n.a.
S 9	22 35	12 42	4 52	25 42	2 5	22 26	1 48	27 6	3 23	23 56	0 33	10 45	2 15	17 54	0 9	17 57	1 33	27 54	16 9	9 23	8 57	11 32		n.a.
M10	22 43	9 31	4 26	25 44	2 3	22 9	1 45	27 8	3 26	23 57	0 33	10 44	2 15	17 53	0 9	17 57	1 33	27 53	16 9	9 22	8 56	11 30		n.a.
T 11	22 50	5 58	3 49	25 45	2 1	21 51	1 42	27 10	3 28	23 57	0 34	10 44	2 15	17 52	0 9	17 57	1 33	27 53	16 9	9 21	8 54	11 28		n.a.
W12	22 57	2 8	3 2	25 43	1 58	21 33	1 39	27 11	3 29	23 58	0 34	10 44	2 16	17 52	0 9	17 56	1 33	27 52	16 8	9 21	8 53	11 27		n.a.
T 13	23 4	1n50	2 6	25 39	1 55	21 14	1 35	27 12	3 31	23 59	0 34	10 44	2 16	17 51	0 9	17 56	1 33	27 52	16 8	9 21	8 52	11 25		n.a.
F 14	23 10	5 48	1 3	25 34	1 51	20 55	1 31	27 13	3 33	23 59	0 34	10 44	2 16	17 51	0 9	17 55	1 33	27 51	16 8	9 21	8 51	11 23		n.a.
S 15	23 15	9 38	0s 5	25 26	1 46	20 35	1 28	27 14	3 35	24 0	0 34	10 44	2 17	17 50	0 9	17 55	1 33	27 51	16 7	9 22	8 50	11 22		n.a.
S 16	23 20	13 7	1 14	25 17	1 40	20 15	1 24	27 14	3 36	24 1	0 35	10 43	2 17	17 50	0 9	17 55	1 33	27 50	16 7	9 21	8 48	11 20		n.a.
M17	23 25	16 2	2 22	25 5	1 33	19 55	1 19	27 15	3 38	24 1	0 35	10 43	2 17	17 49	0 9	17 54	1 33	27 50	16 7	9 20	8 47	11 18		n.a.
T 18	23 29	18 7	3 23	24 52	1 26	19 34	1 15	27 15	3 39	24 2	0 35	10 44	2 17	17 48	0 9	17 54	1 33	27 49	16 6	9 18	8 46	11 17		n.a.
W19	23 32	19 8	4 12	24 38	1 17	19 12	1 11	27 15	3 41	24 3	0 35	10 44	2 18	17 48	0 9	17 54	1 33	27 48	16 6	9 15	8 45	11 15		n.a.
T 20	23 36	18 54	4 47	24 21	1 8	18 51	1 6	27 15	3 42	24 3	0 35	10 44	2 18	17 47	0 9	17 54	1 33	27 48	16 6	9 11	8 44	11 13		n.a.
F 21	23 38	17 23	5 3	24 4	0 58	18 29	1 2	27 15	3 43	24 4	0 35	10 44	2 18	17 47	0 9	17 53	1 33	27 47	16 5	9 7	8 42	11 12		n.a.
S 22	23 40	14 43	4 58	23 45	0 47	18 6	0 57	27 15	3 44	24 5	0 36	10 44	2 19	17 46	0 9	17 53	1 33	27 47	16 5	9 4	8 41	11 10		n.a.
S 23	23 42	11 8	4 34	23 25	0 34	17 43	0 52	27 15	3 45	24 5	0 36	10 44	2 19	17 46	0 9	17 53	1 33	27 46	16 5	9 1	8 40	11 8		n.a.
M24	23 43	6 55	3 53	23 4	0 21	17 20	0 47	27 14	3 46	24 6	0 36	10 45	2 19	17 45	0 9	17 52	1 33	27 46	16 5	8 59	8 39	11 7		n.a.
T 25	23 44	2 23	2 57	22 42	0 7	16 57	0 41	27 13	3 47	24 7	0 36	10 45	2 19	17 45	0 9	17 52	1 33	27 45	16 4	8 58	8 38	11 5		n.a.
W26	23 45	2s12	1 52	22 21	0n 9	16 33	0 36	27 12	3 48	24 7	0 36	10 45	2 20	17 44	0 9	17 52	1 33	27 44	16 4	8 58	8 36	11 3		n.a.
T 27	23 44	6 34	0 42	21 59	0 25	16 9	0 30	27 11	3 48	24 8	0 36	10 46	2 20	17 44	0 9	17 51	1 32	27 44	16 4	8 58	8 35	11 2		n.a.
F 28	23 44	10 32	0n29	21 38	0 42	15 45	0 25	27 10	3 49	24 9	0 37	10 46	2 20	17 43	0 9	17 51	1 32	27 43	16 3	8 58	8 34	11 0		n.a.
S 29	23 43	13 54	1 37	21 18	0 59	15 20	0 19	27 9	3 49	24 9	0 37	10 47	2 21	17 43	0 9	17 51	1 32	27 43	16 3	8 58	8 33	10 58		n.a.
S 30	23 41	16 31	2 39	20 59	1 17	14 56	0 13	27 7	3 49	24 10	0 37	10 47	2 21	17 43	0 9	17 51	1 32	27 42	16 3	8 56	8 32	10 57		n.a.
M31	23s39	18s17	3n32	20s41	1n35	14s31	0s 7	27n 6	3n50	24n10	0n37	10n48	2n21	17n42	0s 9	17n50	1s32	27s41	16s 3	8s54	8s30	10s55		n.a.

Julian Day Number = 1573100.5, Delta T = 04h16m22s
Ecliptic obliquity = 23°44'31, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'49, Lahiri = - 9°33'48 Julian Calendar 1 Dec. 407 BCE == Greg. Calendar 26 Nov. 407 BCE

The year -406 astronomical counting style corresponds to year 407 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

JANUARY 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 19 27	5♑59'11	19♐37	19°R39	22♒48	18°R38	6°R51	8°R 8	19°R32	25°R17	26♒51	22°R25	21♎30	19♒20	n.a.	T 1
W 2	6 23 24	7° 0'06	2♑ 2	19♑16	23°46	18♊18	6♋43	8♍ 7	19♉30	25♉16	26°52	22♎12	21°27	19°27	n.a.	W 2
T 3	6 27 21	8° 1'00	14°18	18°43	24°43	17°59	6°35	8° 6	19°29	25°15	26°53	21°58	21°24	19°33	n.a.	T 3
F 4	6 31 17	9° 1'53	26°25	17°59	25°40	17°40	6°27	8° 4	19°27	25°14	26°54	21°44	21°21	19°40	n.a.	F 4
S 5	6 35 14	10° 2'44	8♒25	17° 6	26°36	17°22	6°19	8° 3	19°26	25°13	26°55	21°30	21°18	19°47	n.a.	S 5
S 6	6 39 10	11° 3'33	20°18	16° 6	27°31	17° 5	6°11	8° 2	19°25	25°12	26°56	21°19	21°14	19°54	n.a.	S 6
M 7	6 43 7	12° 4'21	2♓ 7	15° 1	28°26	16°48	6° 3	8° 0	19°23	25°11	26°57	21°10	21°11	20° 0	n.a.	M 7
T 8	6 47 3	13° 5'07	13°56	13°52	29°20	16°32	5°55	7°59	19°22	25°10	26°59	21° 4	21° 8	20° 7	n.a.	T 8
W 9	6 51 0	14° 5'52	25°49	12°41	0♈14	16°17	5°47	7°57	19°21	25° 9	27° 0	21° 1	21° 5	20°14	n.a.	W 9
T 10	6 54 56	15° 6'35	7♈50	11°30	1° 6	16° 2	5°39	7°55	19°20	25° 8	27° 1	21° 0	21° 2	20°20	n.a.	T 10
F 11	6 58 53	16° 7'15	20° 6	10°21	1°59	15°48	5°31	7°53	19°19	25° 7	27° 2	21° 0	20°58	20°27	n.a.	F 11
S 12	7 2 50	17° 7'54	2♉40	9°16	2°50	15°35	5°24	7°51	19°18	25° 6	27° 3	20°59	20°55	20°34	n.a.	S 12
S 13	7 6 46	18° 8'32	15°39	8°15	3°40	15°23	5°16	7°49	19°17	25° 5	27° 4	20°58	20°52	20°41	n.a.	S 13
M14	7 10 43	19° 9'07	29° 6	7°21	4°30	15°11	5° 8	7°47	19°16	25° 4	27° 6	20°54	20°49	20°47	n.a.	M14
T 15	7 14 39	20° 9'41	13♊ 3	6°34	5°19	15° 1	5° 1	7°45	19°15	25° 3	27° 7	20°47	20°46	20°54	n.a.	T 15
W16	7 18 36	21°10'12	27°29	5°54	6° 7	14°51	4°53	7°42	19°14	25° 2	27° 8	20°38	20°43	21° 1	n.a.	W16
T 17	7 22 32	22°10'42	12♋19	5°22	6°54	14°42	4°46	7°40	19°13	25° 2	27° 9	20°27	20°39	21° 7	n.a.	T 17
F 18	7 26 29	23°11'10	27°26	4°57	7°40	14°33	4°39	7°37	19°12	25° 1	27°11	20°15	20°36	21°14	n.a.	F 18
S 19	7 30 25	24°11'37	12♌38	4°40	8°25	14°26	4°32	7°34	19°12	25° 0	27°12	20° 4	20°33	21°21	n.a.	S 19
S 20	7 34 22	25°12'01	27°46	4°31	9° 9	14°19	4°25	7°32	19°11	24°59	27°13	19°55	20°30	21°27	n.a.	S 20
M21	7 38 19	26°12'24	12♍39	4°D28	9°52	14°13	4°18	7°29	19°10	24°59	27°15	19°48	20°27	21°34	n.a.	M21
T 22	7 42 15	27°12'46	27°11	4°33	10°34	14° 8	4°11	7°26	19°10	24°58	27°16	19°44	20°23	21°41	n.a.	T 22
W23	7 46 12	28°13'05	11♎19	4°43	11°14	14° 3	4° 4	7°23	19° 9	24°58	27°17	19°43	20°20	21°48	n.a.	W23
T 24	7 50 8	29°13'24	25° 3	5° 0	11°54	14° 0	3°57	7°20	19° 9	24°57	27°19	19°43	20°17	21°54	n.a.	T 24
F 25	7 54 5	0♒13'40	8♏23	5°22	12°32	13°57	3°51	7°17	19° 9	24°56	27°20	19°43	20°14	22° 1	n.a.	F 25
S 26	7 58 1	1°13'56	21°24	5°50	13° 9	13°55	3°44	7°14	19° 8	24°56	27°21	19°41	20°11	22° 8	n.a.	S 26
S 27	8 1 58	2°14'09	4♐ 7	6°22	13°44	13°54	3°38	7°10	19° 8	24°55	27°23	19°38	20° 8	22°14	n.a.	S 27
M28	8 5 54	3°14'21	16°38	6°59	14°19	13°D53	3°32	7° 7	19° 8	24°55	27°24	19°31	20° 4	22°21	n.a.	M28
T 29	8 9 51	4°14'31	28°58	7°40	14°51	13°53	3°26	7° 3	19° 8	24°55	27°26	19°21	20° 1	22°28	n.a.	T 29
W30	8 13 48	5°14'40	11♑ 9	8°25	15°23	13°54	3°20	7° 0	19° 7	24°54	27°27	19° 9	19°58	22°35	n.a.	W30
T 31	8 17 44	6♒14'46	23♑13	9♑14	15♓52	13♊56	3♋14	6♍56	19♉ 7	24♉54	27♒28	18♎56	19♎55	22♒41	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23s36	19s 7	4n13	20s25	1n54	14s 6	0s 0	27n 4	3n50	24n11	0n37	10n48	2n21	17n42	0s 9	17n50	1s32	27s41	16s 2	8s50	8s29	10s53		n.a.
W 2	23 33	19 1	4 42	20 10	2 11	13 40	0n 6	27 2	3 50	24 11	0 37	10 49	2 22	17 41	0 9	17 50	1 32	27 40	16 2	8 45	8 28	10 52		n.a.
T 3	23 30	18 2	4 58	19 58	2 29	13 15	0 13	27 0	3 50	24 12	0 37	10 50	2 22	17 41	0 9	17 50	1 32	27 39	16 2	8 40	8 27	10 50		n.a.
F 4	23 26	16 14	4 59	19 48	2 45	12 49	0 20	26 58	3 50	24 12	0 38	10 50	2 22	17 41	0 9	17 49	1 32	27 39	16 2	8 34	8 26	10 48		n.a.
S 5	23 21	13 46	4 48	19 40	3 0	12 24	0 26	26 56	3 49	24 13	0 38	10 51	2 22	17 40	0 9	17 49	1 32	27 38	16 1	8 29	8 24	10 46		n.a.
S 6	23 16	10 45	4 23	19 34	3 13	11 58	0 33	26 54	3 49	24 14	0 38	10 52	2 23	17 40	0 9	17 49	1 32	27 38	16 1	8 25	8 23	10 45		n.a.
M 7	23 11	7 19	3 48	19 30	3 24	11 32	0 41	26 52	3 49	24 14	0 38	10 53	2 23	17 39	0 9	17 49	1 32	27 37	16 1	8 22	8 22	10 43		n.a.
T 8	23 5	3 36	3 3	19 29	3 33	11 6	0 48	26 50	3 48	24 14	0 38	10 54	2 23	17 39	0 9	17 49	1 32	27 36	16 1	8 19	8 21	10 41		n.a.
W 9	22 59	0n17	2 9	19 29	3 40	10 40	0 55	26 48	3 48	24 15	0 38	10 55	2 24	17 39	0 9	17 48	1 32	27 36	16 0	8 18	8 20	10 40		n.a.
T 10	22 52	4 12	1 9	19 31	3 44	10 14	1 3	26 46	3 47	24 15	0 38	10 55	2 24	17 39	0 9	17 48	1 32	27 35	16 0	8 18	8 18	10 38		n.a.
F 11	22 45	8 1	0 5	19 34	3 46	9 48	1 11	26 44	3 47	24 16	0 38	10 56	2 24	17 38	0 9	17 48	1 32	27 34	16 0	8 18	8 17	10 36		n.a.
S 12	22 38	11 36	1s 1	19 39	3 46	9 22	1 19	26 42	3 46	24 16	0 39	10 57	2 24	17 38	0 9	17 48	1 32	27 34	16 0	8 17	8 16	10 35		n.a.
S 13	22 30	14 43	2 6	19 46	3 44	8 56	1 27	26 40	3 45	24 17	0 39	10 58	2 25	17 38	0 9	17 48	1 32	27 33	15 59	8 17	8 15	10 33		n.a.
M14	22 21	17 10	3 7	19 53	3 39	8 31	1 35	26 38	3 45	24 17	0 39	11 0	2 25	17 37	0 9	17 47	1 32	27 32	15 59	8 15	8 14	10 31		n.a.
T 15	22 12	18 43	3 58	20 2	3 33	8 5	1 43	26 36	3 44	24 18	0 39	11 1	2 25	17 37	0 9	17 47	1 32	27 32	15 59	8 13	8 12	10 29		n.a.
W16	22 3	19 7	4 36	20 11	3 26	7 39	1 52	26 34	3 43	24 18	0 39	11 2	2 25	17 37	0 9	17 47	1 32	27 31	15 59	8 9	8 11	10 28		n.a.
T 17	21 53	18 14	4 57	20 21	3 17	7 14	2 1	26 32	3 42	24 18	0 39	11 3	2 26	17 37	0 8	17 47	1 31	27 31	15 59	8 5	8 10	10 26		n.a.
F 18	21 43	16 4	4 58	20 32	3 7	6 48	2 9	26 30	3 41	24 19	0 39	11 4	2 26	17 37	0 8	17 47	1 31	27 30	15 58	8 1	8 9	10 24		n.a.
S 19	21 33	12 47	4 38	20 43	2 57	6 23	2 18	26 28	3 40	24 19	0 39	11 5	2 26	17 36	0 8	17 47	1 31	27 29	15 58	7 56	8 7	10 23		n.a.
S 20	21 22	8 41	3 58	20 54	2 46	5 58	2 27	26 26	3 39	24 19	0 39	11 7	2 26	17 36	0 8	17 47	1 31	27 29	15 58	7 53	8 6	10 21		n.a.
M21	21 11	4 5	3 2	21 6	2 34	5 33	2 36	26 24	3 38	24 20	0 39	11 8	2 27	17 36	0 8	17 47	1 31	27 28	15 58	7 50	8 5	10 19		n.a.
T 22	20 59	0s38	1 56	21 17	2 22	5 9	2 46	26 22	3 37	24 20	0 39	11 9	2 27	17 36	0 8	17 46	1 31	27 27	15 58	7 49	8 4	10 18		n.a.
W23	20 47	5 13	0 44	21 29	2 10	4 45	2 55	26 21	3 36	24 20	0 40	11 11	2 27	17 36	0 8	17 46	1 31	27 27	15 58	7 48	8 3	10 16		n.a.
T 24	20 34	9 23	0n28	21 41	1 58	4 21	3 5	26 19	3 35	24 21	0 40	11 12	2 27	17 36	0 8	17 46	1 31	27 26	15 57	7 48	8 1	10 14		n.a.
F 25	20 21	12 57	1 37	21 52	1 46	3 57	3 14	26 18	3 33	24 21	0 40	11 13	2 27	17 36	0 8	17 46	1 31	27 25	15 57	7 48	8 0	10 12		n.a.
S 26	20 8	15 47	2 39	22 3	1 34	3 34	3 24	26 16	3 32	24 21	0 40	11 15	2 28	17 36	0 8	17 46	1 31	27 25	15 57	7 48	7 59	10 11		n.a.
S 27	19 55	17 46	3 32	22 14	1 22	3 11	3 34	26 15	3 31	24 21	0 40	11 16	2 28	17 36	0 8	17 46	1 31	27 24	15 57	7 46	7 58	10 9		n.a.
M28	19 41	18 52	4 13	22 23	1 10	2 49	3 44	26 14	3 30	24 22	0 40	11 18	2 28	17 36	0 8	17 46	1 31	27 23	15 57	7 44	7 57	10 7		n.a.
T 29	19 26	19 2	4 42	22 33	0 58	2 27	3 54	26 12	3 29	24 22	0 40	11 19	2 28	17 35	0 8	17 46	1 31	27 23	15 57	7 40	7 55	10 6		n.a.
W30	19 12	18 19	4 58	22 42	0 47	2 5	4 4	26 11	3 27	24 22	0 40	11 21	2 28	17 35	0 8	17 46	1 31	27 22	15 57	7 36	7 54	10 4		n.a.
T 31	18s57	16s47	5n 0	22s49	0n36	1s44	4n15	26n10	3n26	24n22	0n40	11n22	2n29	17n35	0s 8	17n46	1s31	27s22	15s56	7s30	7s53	10s 2		n.a.

Julian Day Number = 1573131.5, Delta T = 04h16m21s
Ecliptic obliquity = 23°44'31, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'44, Lahiri = - 9°33'44 Julian Calendar 1 Jan. 406 BCE == Greg. Calendar 27 Dec. 407 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

FEBRUARY 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	8 21 41	7♒14'51	5♒11	10♉ 6	16♓20	13♊58	3°R 9	6°R53	19°D 7	24°R54	27♒30	18°R42	19♎52	22♒48	n.a.	F 1
S 2	8 25 37	8°14'53	17° 5	11° 0	16°47	14° 1	3♋ 3	6♍49	19♉ 7	24♉53	27°31	18♎29	19°49	22°55	n.a.	S 2
S 3	8 29 34	9°14'54	28°56	11°58	17°11	14° 5	2°58	6°45	19° 7	24°53	27°33	18°18	19°45	23° 1	n.a.	S 3
M 4	8 33 30	10°14'52	10♓45	12°59	17°34	14° 9	2°53	6°41	19° 8	24°53	27°34	18° 9	19°42	23° 8	n.a.	M 4
T 5	8 37 27	11°14'48	22°35	14° 2	17°55	14°15	2°48	6°37	19° 8	24°53	27°36	18° 3	19°39	23°15	n.a.	T 5
W 6	8 41 23	12°14'42	4♈29	15° 8	18°14	14°20	2°43	6°33	19° 8	24°53	27°37	18° 0	19°36	23°21	n.a.	W 6
T 7	8 45 20	13°14'33	16°31	16°15	18°31	14°27	2°39	6°29	19° 8	24°53	27°39	17°D59	19°33	23°28	n.a.	T 7
F 8	8 49 17	14°14'22	28°45	17°25	18°46	14°34	2°34	6°25	19° 9	24°53	27°40	17°59	19°29	23°35	n.a.	F 8
S 9	8 53 13	15°14'09	11♉16	18°37	18°59	14°42	2°30	6°21	19° 9	24°D53	27°41	18°R 0	19°26	23°42	n.a.	S 9
S 10	8 57 10	16°13'54	24°10	19°51	19°10	14°50	2°26	6°17	19°10	24°53	27°43	18° 0	19°23	23°48	n.a.	S 10
M11	9 1 6	17°13'36	7♊30	21° 7	19°18	14°59	2°22	6°13	19°10	24°53	27°44	17°58	19°20	23°55	n.a.	M11
T 12	9 5 3	18°13'16	21°19	22°24	19°24	15° 9	2°18	6° 9	19°11	24°53	27°46	17°53	19°17	24° 2	n.a.	T 12
W13	9 8 59	19°12'53	5♋37	23°43	19°28	15°19	2°15	6° 4	19°11	24°53	27°47	17°47	19°14	24° 8	n.a.	W13
T 14	9 12 56	20°12'28	20°23	25° 4	19°R29	15°29	2°11	6° 0	19°12	24°53	27°49	17°39	19°10	24°15	n.a.	T 14
F 15	9 16 52	21°12'01	5♌30	26°26	19°28	15°41	2° 8	5°56	19°13	24°53	27°50	17°30	19° 7	24°22	n.a.	F 15
S 16	9 20 49	22°11'31	20°48	27°50	19°24	15°52	2° 5	5°51	19°14	24°53	27°52	17°22	19° 4	24°28	n.a.	S 16
S 17	9 24 45	23°11'00	6♍ 7	29°16	19°18	16° 5	2° 2	5°47	19°14	24°54	27°53	17°15	19° 1	24°35	n.a.	S 17
M18	9 28 42	24°10'26	21°14	0♒43	19° 9	16°17	1°59	5°42	19°15	24°54	27°55	17°10	18°58	24°42	n.a.	M18
T 19	9 32 39	25° 9'50	6♎ 3	2°11	18°58	16°31	1°57	5°38	19°16	24°54	27°56	17° 8	18°55	24°49	n.a.	T 19
W20	9 36 35	26° 9'12	20°25	3°41	18°44	16°45	1°55	5°33	19°17	24°55	27°58	17°D 7	18°51	24°55	n.a.	W20
T 21	9 40 32	27° 8'32	4♏21	5°12	18°28	16°59	1°52	5°29	19°18	24°55	27°59	17° 8	18°48	25° 2	n.a.	T 21
F 22	9 44 28	28° 7'51	17°49	6°45	18°10	17°14	1°50	5°24	19°19	24°55	28° 1	17° 9	18°45	25° 9	n.a.	F 22
S 23	9 48 25	29° 7'08	0♐53	8°19	17°49	17°29	1°49	5°20	19°20	24°56	28° 2	17°R 9	18°42	25°15	n.a.	S 23
S 24	9 52 21	0♓ 6'22	13°36	9°54	17°25	17°44	1°47	5°15	19°22	24°56	28° 4	17° 8	18°39	25°22	n.a.	S 24
M25	9 56 18	1° 5'35	26° 2	11°31	17° 0	18° 1	1°46	5°10	19°23	24°57	28° 5	17° 5	18°35	25°29	n.a.	M25
T 26	10 0 14	2° 4'46	8♉15	13° 9	16°33	18°17	1°45	5° 6	19°24	24°57	28° 7	17° 0	18°32	25°35	n.a.	T 26
W27	10 4 11	3° 3'55	20°18	14°49	16° 3	18°34	1°44	5° 1	19°26	24°58	28° 9	16°54	18°29	25°42	n.a.	W27
T 28	10 8 8	4♓ 3'02	2♒14	16♒30	15♓32	18♊52	1♋43	4♍57	19♉27	24♉59	28♒10	16♎46	18♎26	25♒49	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	18s42	14s33	4n49	22s57	0n25	1s24	4n25	26n 9	3n25	24n22	0n40	11n24	2n29	17n35	0s 8	17n46	1s31	27s21	15s56	7s25	7s52	10s 0		n.a.
S 2	18 26	11 42	4 25	23 3	0 14	1 4	4 35	26 8	3 23	24 23	0 40	11 25	2 29	17 36	0 8	17 46	1 31	27 20	15 56	7 20	7 51	9 59		n.a.
S 3	18 10	8 25	3 50	23 8	0 4	0 44	4 46	26 7	3 22	24 23	0 40	11 27	2 29	17 36	0 8	17 46	1 31	27 20	15 56	7 16	7 49	9 57		n.a.
M 4	17 54	4 47	3 4	23 12	0s 6	0 26	4 56	26 7	3 21	24 23	0 40	11 28	2 29	17 36	0 8	17 46	1 30	27 19	15 56	7 12	7 48	9 55		n.a.
T 5	17 37	0 59	2 11	23 15	0 16	0 8	5 7	26 6	3 19	24 23	0 40	11 30	2 30	17 36	0 8	17 46	1 30	27 18	15 56	7 10	7 47	9 53		n.a.
W 6	17 20	2n54	1 11	23 18	0 25	0n 9	5 18	26 5	3 18	24 23	0 40	11 32	2 30	17 36	0 8	17 46	1 30	27 18	15 56	7 9	7 46	9 52		n.a.
T 7	17 3	6 42	0 8	23 18	0 34	0 26	5 28	26 5	3 17	24 23	0 40	11 33	2 30	17 36	0 8	17 46	1 30	27 17	15 56	7 8	7 44	9 50		n.a.
F 8	16 46	10 17	0s57	23 18	0 43	0 41	5 39	26 4	3 15	24 23	0 40	11 35	2 30	17 36	0 8	17 46	1 30	27 17	15 56	7 9	7 43	9 48		n.a.
S 9	16 28	13 29	2 1	23 17	0 51	0 56	5 49	26 4	3 14	24 24	0 40	11 37	2 30	17 36	0 8	17 46	1 30	27 16	15 56	7 9	7 42	9 47		n.a.
S 10	16 10	16 8	3 1	23 14	0 59	1 10	5 59	26 3	3 13	24 24	0 40	11 39	2 30	17 36	0 8	17 46	1 30	27 15	15 56	7 9	7 41	9 45		n.a.
M11	15 52	18 1	3 53	23 10	1 7	1 22	6 10	26 3	3 11	24 24	0 41	11 40	2 30	17 36	0 8	17 46	1 30	27 15	15 56	7 8	7 40	9 43		n.a.
T 12	15 34	18 55	4 33	23 4	1 14	1 34	6 20	26 3	3 10	24 24	0 41	11 42	2 31	17 37	0 8	17 46	1 30	27 14	15 56	7 6	7 38	9 41		n.a.
W13	15 15	18 39	4 58	22 57	1 21	1 45	6 30	26 3	3 9	24 24	0 41	11 44	2 31	17 37	0 8	17 46	1 30	27 14	15 55	7 4	7 37	9 40		n.a.
T 14	14 56	17 9	5 5	22 49	1 27	1 54	6 40	26 3	3 7	24 24	0 41	11 45	2 31	17 37	0 8	17 47	1 30	27 13	15 55	7 1	7 36	9 38		n.a.
F 15	14 37	14 26	4 50	22 40	1 33	2 3	6 50	26 3	3 6	24 24	0 41	11 47	2 31	17 37	0 8	17 47	1 30	27 12	15 55	6 57	7 35	9 36		n.a.
S 16	14 17	10 43	4 15	22 28	1 39	2 10	6 59	26 3	3 5	24 24	0 41	11 49	2 31	17 37	0 8	17 47	1 30	27 12	15 55	6 54	7 33	9 34		n.a.
S 17	13 58	6 16	3 22	22 16	1 44	2 16	7 8	26 3	3 3	24 24	0 41	11 51	2 31	17 38	0 8	17 47	1 30	27 11	15 55	6 51	7 32	9 33		n.a.
M18	13 38	1 28	2 14	22 2	1 49	2 21	7 17	26 3	3 2	24 24	0 41	11 53	2 31	17 38	0 8	17 47	1 30	27 11	15 55	6 50	7 31	9 31		n.a.
T 19	13 18	3s20	0 59	21 46	1 54	2 24	7 26	26 3	3 1	24 24	0 41	11 54	2 31	17 38	0 8	17 47	1 30	27 10	15 55	6 49	7 30	9 29		n.a.
W20	12 58	7 48	0n18	21 29	1 58	2 26	7 34	26 3	2 59	24 24	0 41	11 56	2 32	17 39	0 8	17 47	1 30	27 10	15 55	6 48	7 29	9 27		n.a.
T 21	12 37	11 42	1 32	21 10	2 1	2 27	7 41	26 3	2 58	24 24	0 41	11 58	2 32	17 39	0 8	17 47	1 29	27 9	15 55	6 49	7 27	9 26		n.a.
F 22	12 16	14 50	2 38	20 50	2 4	2 26	7 48	26 3	2 57	24 24	0 41	12 0	2 32	17 39	0 8	17 48	1 29	27 8	15 55	6 49	7 26	9 24		n.a.
S 23	11 56	17 7	3 34	20 28	2 7	2 24	7 55	26 3	2 56	24 25	0 41	12 1	2 32	17 39	0 8	17 48	1 29	27 8	15 55	6 49	7 25	9 22		n.a.
S 24	11 35	18 28	4 17	20 4	2 9	2 20	8 0	26 4	2 54	24 25	0 41	12 3	2 32	17 40	0 8	17 48	1 29	27 7	15 55	6 49	7 24	9 21		n.a.
M25	11 13	18 53	4 48	19 39	2 11	2 15	8 6	26 4	2 53	24 25	0 41	12 5	2 32	17 40	0 8	17 48	1 29	27 7	15 55	6 48	7 22	9 19		n.a.
T 26	10 52	18 25	5 5	19 12	2 13	2 8	8 10	26 4	2 52	24 25	0 41	12 7	2 32	17 41	0 8	17 48	1 29	27 6	15 55	6 46	7 21	9 17		n.a.
W27	10 30	17 7	5 8	18 43	2 14	2 0	8 14	26 4	2 50	24 25	0 41	12 9	2 32	17 41	0 8	17 49	1 29	27 6	15 55	6 43	7 20	9 15		n.a.
T 28	10s 9	15s 5	4n57	18s13	2s14	1n51	8n17	26n 5	2n49	24n25	0n41	12n10	2n32	17n41	0s 8	17n49	1s29	27s 5	15s55	6s40	7s19	9s14		n.a.

Julian Day Number = 1573162.5, Delta T = 04h16m19s
Ecliptic obliquity = 23°44'31, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'40, Lahiri = - 9°33'40 Julian Calendar 1 Feb. 406 BCE == Greg. Calendar 27 Jan. 406 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

MARCH 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 12 4	5♓ 2'07	14♒ 6	18♒12	14°R59	19♊ 9	1°R42	4°R52	19♉28	24♉59	28♒12	16°R38	18♎23	25♒55	n.a.	F 1
S 2	10 16 1	6° 1'10	25°57	19°56	14♓25	19°28	1♋42	4♍47	19°30	25° 0	28°13	16♎30	18°20	26° 2	n.a.	S 2
S 3	10 19 57	7° 0'11	7♓47	21°41	13°50	19°46	1°42	4°43	19°31	25° 1	28°15	16°23	18°16	26° 9	n.a.	S 3
M 4	10 23 54	7°59'10	19°38	23°28	13°13	20° 5	1°D42	4°38	19°33	25° 1	28°16	16°18	18°13	26°16	n.a.	M 4
T 5	10 27 50	8°58'06	1♈33	25°16	12°36	20°25	1°42	4°33	19°35	25° 2	28°18	16°15	18°10	26°22	n.a.	T 5
W 6	10 31 47	9°57'00	13°34	27° 5	11°58	20°44	1°42	4°29	19°36	25° 3	28°19	16°D14	18° 7	26°29	n.a.	W 6
T 7	10 35 43	10°55'52	25°43	28°56	11°20	21° 5	1°43	4°24	19°38	25° 4	28°20	16°14	18° 4	26°36	n.a.	T 7
F 8	10 39 40	11°54'42	8♉ 4	0♓49	10°42	21°25	1°43	4°20	19°40	25° 5	28°22	16°16	18° 0	26°42	n.a.	F 8
S 9	10 43 36	12°53'29	20°39	2°43	10° 4	21°46	1°44	4°15	19°42	25° 6	28°23	16°17	17°57	26°49	n.a.	S 9
S 10	10 47 33	13°52'14	3♊33	4°38	9°27	22° 7	1°46	4°11	19°43	25° 7	28°25	16°19	17°54	26°56	n.a.	S 10
M11	10 51 30	14°50'57	16°49	6°35	8°50	22°29	1°47	4° 6	19°45	25° 7	28°26	16°R19	17°51	27° 2	n.a.	M11
T 12	10 55 26	15°49'37	0♋30	8°33	8°14	22°50	1°48	4° 2	19°47	25° 8	28°28	16°18	17°48	27° 9	n.a.	T 12
W13	10 59 23	16°48'15	14°36	10°32	7°40	23°12	1°50	3°57	19°49	25°10	28°29	16°16	17°45	27°16	n.a.	W13
T 14	11 3 19	17°46'51	29° 7	12°33	7° 7	23°35	1°52	3°53	19°51	25°11	28°31	16°13	17°41	27°22	n.a.	T 14
F 15	11 7 16	18°45'24	13♌59	14°36	6°35	23°58	1°54	3°48	19°53	25°12	28°32	16° 9	17°38	27°29	n.a.	F 15
S 16	11 11 12	19°43'56	29° 4	16°39	6° 5	24°21	1°56	3°44	19°55	25°13	28°34	16° 5	17°35	27°36	n.a.	S 16
S 17	11 15 9	20°42'24	14♍15	18°44	5°37	24°44	1°58	3°40	19°58	25°14	28°35	16° 2	17°32	27°43	n.a.	S 17
M18	11 19 5	21°40'51	29°21	20°49	5°11	25° 7	2° 1	3°35	20° 0	25°15	28°36	16° 0	17°29	27°49	n.a.	M18
T 19	11 23 2	22°39'16	14♎12	22°56	4°47	25°31	2° 4	3°31	20° 2	25°16	28°38	16°D 0	17°26	27°56	n.a.	T 19
W20	11 26 58	23°37'39	28°43	25° 3	4°25	25°55	2° 7	3°27	20° 4	25°18	28°39	16° 0	17°22	28° 3	n.a.	W20
T 21	11 30 55	24°36'00	12♏48	27°10	4° 6	26°20	2°10	3°23	20° 7	25°19	28°41	16° 1	17°19	28° 9	n.a.	T 21
F 22	11 34 52	25°34'20	26°26	29°18	3°49	26°44	2°13	3°19	20° 9	25°20	28°42	16° 3	17°16	28°16	n.a.	F 22
S 23	11 38 48	26°32'38	9♐37	1♈26	3°35	27° 9	2°17	3°15	20°11	25°21	28°43	16° 4	17°13	28°23	n.a.	S 23
S 24	11 42 45	27°30'54	22°26	3°34	3°23	27°34	2°20	3°11	20°14	25°23	28°45	16°R 5	17°10	28°29	n.a.	S 24
M25	11 46 41	28°29'09	4♑54	5°41	3°13	28° 0	2°24	3° 7	20°16	25°24	28°46	16° 5	17° 6	28°36	n.a.	M25
T 26	11 50 38	29°27'22	17° 6	7°47	3° 6	28°25	2°28	3° 3	20°19	25°26	28°47	16° 4	17° 3	28°43	n.a.	T 26
W27	11 54 34	0♈25'34	29° 7	9°52	3° 1	28°51	2°32	2°59	20°21	25°27	28°49	16° 2	17° 0	28°49	n.a.	W27
T 28	11 58 31	1°23'44	11♒ 1	11°55	2°D59	29°17	2°36	2°55	20°24	25°28	28°50	16° 0	16°57	28°56	n.a.	T 28
F 29	12 2 27	2°21'52	22°51	13°57	2°59	29°43	2°41	2°51	20°26	25°30	28°51	15°58	16°54	29° 3	n.a.	F 29
S 30	12 6 24	3°19'59	4♓40	15°57	3° 2	0♋10	2°45	2°48	20°29	25°31	28°53	15°56	16°51	29°10	n.a.	S 30
S 31	12 10 21	4♈18'03	16♓32	17♈54	3♓ 7	0♋37	2♋50	2♍44	20♉32	25♉33	28♒54	15♎55	16♎47	29♒16	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s47	12s26	4n34	17s41	2s14	1n40	8n19	26n 5	2n48	24n25	0n41	12n12	2n32	17n42	0s 8	17n49	1s29	27s 5	15s56	6s37	7s18	9s12		n.a.
S 2	9 25	9 17	3 59	17 8	2 14	1 28	8 20	26 5	2 47	24 25	0 41	12 14	2 32	17 42	0 8	17 49	1 29	27 4	15 56	6 34	7 16	9 10		n.a.
S 3	9 3	5 46	3 14	16 32	2 12	1 15	8 20	26 5	2 45	24 25	0 41	12 16	2 32	17 43	0 8	17 49	1 29	27 4	15 56	6 31	7 15	9 8		n.a.
M 4	8 41	2 1	2 20	15 56	2 11	1 1	8 20	26 6	2 44	24 25	0 41	12 17	2 32	17 43	0 8	17 50	1 29	27 3	15 56	6 29	7 14	9 7		n.a.
T 5	8 18	1n50	1 19	15 17	2 9	0 45	8 18	26 6	2 43	24 25	0 41	12 19	2 32	17 43	0 8	17 50	1 29	27 3	15 56	6 28	7 13	9 5		n.a.
W 6	7 56	5 39	0 15	14 37	2 6	0 28	8 16	26 6	2 42	24 25	0 41	12 21	2 32	17 44	0 8	17 50	1 29	27 2	15 56	6 28	7 11	9 3		n.a.
T 7	7 34	9 16	0s52	13 55	2 3	0 11	8 13	26 6	2 40	24 25	0 41	12 23	2 32	17 44	0 8	17 50	1 29	27 2	15 56	6 28	7 10	9 1		n.a.
F 8	7 11	12 32	1 56	13 11	2 0	0s 7	8 8	26 7	2 39	24 25	0 41	12 24	2 32	17 45	0 8	17 51	1 29	27 1	15 56	6 28	7 9	9 0		n.a.
S 9	6 48	15 18	2 57	12 26	1 56	0 26	8 3	26 7	2 38	24 25	0 41	12 26	2 32	17 45	0 8	17 51	1 29	27 1	15 56	6 29	7 8	8 58		n.a.
S 10	6 25	17 22	3 50	11 39	1 51	0 46	7 57	26 7	2 37	24 25	0 41	12 28	2 32	17 46	0 8	17 51	1 28	27 0	15 56	6 30	7 7	8 56		n.a.
M11	6 2	18 33	4 33	10 50	1 46	1 6	7 50	26 7	2 36	24 25	0 41	12 29	2 32	17 47	0 8	17 51	1 28	27 0	15 56	6 30	7 5	8 54		n.a.
T 12	5 39	18 43	5 2	10 0	1 40	1 26	7 43	26 7	2 35	24 24	0 41	12 31	2 32	17 47	0 8	17 52	1 28	27 0	15 56	6 29	7 4	8 53		n.a.
W13	5 16	17 44	5 13	9 9	1 34	1 47	7 34	26 7	2 33	24 24	0 41	12 33	2 32	17 48	0 8	17 52	1 28	26 59	15 57	6 29	7 3	8 51		n.a.
T 14	4 53	15 37	5 6	8 16	1 27	2 8	7 25	26 7	2 32	24 24	0 41	12 34	2 32	17 48	0 8	17 52	1 28	26 59	15 57	6 27	7 2	8 49		n.a.
F 15	4 30	12 25	4 37	7 21	1 19	2 28	7 15	26 7	2 31	24 24	0 41	12 36	2 32	17 49	0 8	17 53	1 28	26 58	15 57	6 26	7 0	8 47		n.a.
S 16	4 7	8 21	3 50	6 26	1 11	2 49	7 5	26 7	2 30	24 24	0 41	12 37	2 32	17 49	0 8	17 53	1 28	26 58	15 57	6 24	6 59	8 45		n.a.
S 17	3 44	3 44	2 46	5 29	1 3	3 9	6 54	26 7	2 29	24 24	0 41	12 39	2 32	17 50	0 8	17 53	1 28	26 58	15 57	6 23	6 58	8 44		n.a.
M18	3 20	1s 7	1 30	4 31	0 54	3 29	6 43	26 7	2 28	24 24	0 41	12 41	2 32	17 51	0 8	17 54	1 28	26 57	15 57	6 22	6 57	8 42		n.a.
T 19	2 57	5 49	0 10	3 32	0 45	3 49	6 31	26 6	2 27	24 24	0 41	12 42	2 32	17 51	0 7	17 54	1 28	26 57	15 57	6 22	6 56	8 40		n.a.
W20	2 34	10 4	1n10	2 32	0 35	4 8	6 19	26 6	2 25	24 24	0 41	12 44	2 32	17 52	0 7	17 54	1 28	26 56	15 58	6 22	6 54	8 38		n.a.
T 21	2 10	13 37	2 22	1 31	0 25	4 26	6 7	26 6	2 24	24 24	0 41	12 45	2 32	17 52	0 7	17 55	1 28	26 56	15 58	6 23	6 53	8 37		n.a.
F 22	1 47	16 17	3 25	0 31	0 15	4 44	5 54	26 5	2 23	24 24	0 41	12 47	2 32	17 53	0 7	17 55	1 28	26 56	15 58	6 23	6 52	8 35		n.a.
S 23	1 23	17 59	4 14	0n31	0 4	5 1	5 41	26 5	2 22	24 24	0 41	12 48	2 32	17 54	0 7	17 55	1 28	26 55	15 58	6 24	6 51	8 33		n.a.
S 24	1 0	18 42	4 50	1 32	0n 6	5 18	5 28	26 4	2 21	24 24	0 41	12 49	2 32	17 54	0 7	17 56	1 28	26 55	15 58	6 24	6 49	8 31		n.a.
M25	0 37	18 29	5 10	2 33	0 17	5 33	5 15	26 4	2 20	24 24	0 41	12 51	2 32	17 55	0 7	17 56	1 28	26 55	15 58	6 24	6 48	8 30		n.a.
T 26	0 13	17 25	5 16	3 33	0 28	5 48	5 2	26 3	2 19	24 24	0 41	12 52	2 32	17 56	0 7	17 57	1 28	26 54	15 59	6 24	6 47	8 28		n.a.
W27	0n10	15 34	5 8	4 33	0 39	6 2	4 49	26 2	2 18	24 24	0 41	12 54	2 32	17 57	0 7	17 57	1 28	26 54	15 59	6 23	6 46	8 26		n.a.
T 28	0 34	13 6	4 47	5 32	0 50	6 15	4 36	26 1	2 17	24 23	0 41	12 55	2 32	17 57	0 7	17 57	1 28	26 54	15 59	6 22	6 44	8 24		n.a.
F 29	0 57	10 5	4 13	6 30	1 1	6 27	4 23	26 0	2 16	24 23	0 41	12 56	2 32	17 58	0 7	17 58	1 27	26 53	15 59	6 22	6 43	8 22		n.a.
S 30	1 20	6 41	3 29	7 27	1 11	6 39	4 10	25 59	2 15	24 23	0 40	12 57	2 31	17 59	0 7	17 58	1 27	26 53	15 59	6 21	6 42	8 21		n.a.
S 31	1n44	3s 0	2n36	8n22	1n21	6s49	3n57	25n58	2n14	24n23	0n40	12n59	2n31	17n59	0s 7	17n59	1s27	26s53	16s 0	6s20	6s41	8s19		n.a.

Julian Day Number = 1573190.5, Delta T = 04h16m18s
Ecliptic obliquity = 23°44'31, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'36, Lahiri = - 9°33'36 Julian Calendar 1 March 406 BCE == Greg. Calendar 24 Feb. 406 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

APRIL 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 14 17	5♈16'07	28♓29	19♈49	3♓14	1♋ 4	2♋55	2°R40	20♉35	25♉34	28♒55	15°R54	16♎44	29♒23	n.a.	M 1
T 2	12 18 14	6°14'08	10♈33	21°41	3°23	1°31	3° 0	2♍37	20°37	25°36	28°56	15°D53	16°41	29°30	n.a.	T 2
W 3	12 22 10	7°12'08	22°45	23°30	3°34	1°58	3° 5	2°34	20°40	25°38	28°58	15♎53	16°38	29°36	n.a.	W 3
T 4	12 26 7	8°10'06	5♉ 8	25°15	3°47	2°26	3°11	2°30	20°43	25°39	28°59	15°53	16°35	29°43	n.a.	T 4
F 5	12 30 3	9° 8'02	17°43	26°58	4° 3	2°53	3°16	2°27	20°46	25°41	29° 0	15°54	16°32	29°50	n.a.	F 5
S 6	12 34 0	10° 5'56	0♊32	28°37	4°20	3°21	3°22	2°24	20°49	25°43	29° 1	15°55	16°28	29°56	n.a.	S 6
S 7	12 37 56	11° 3'49	13°36	0♉12	4°39	3°49	3°28	2°21	20°51	25°44	29° 2	15°55	16°25	0♓ 3	n.a.	S 7
M 8	12 41 53	12° 1'40	26°57	1°44	5° 0	4°18	3°34	2°18	20°54	25°46	29° 4	15°56	16°22	0°10	n.a.	M 8
T 9	12 45 50	12°59'29	10♋37	3°12	5°23	4°46	3°40	2°15	20°57	25°48	29° 5	15°R56	16°19	0°16	n.a.	T 9
W10	12 49 46	13°57'16	24°35	4°36	5°48	5°15	3°46	2°12	21° 0	25°49	29° 6	15°56	16°16	0°23	n.a.	W10
T 11	12 53 43	14°55'01	8♌51	5°56	6°14	5°44	3°53	2° 9	21° 3	25°51	29° 7	15°56	16°12	0°30	n.a.	T 11
F 12	12 57 39	15°52'44	23°23	7°13	6°41	6°13	3°59	2° 6	21° 6	25°53	29° 8	15°D55	16° 9	0°36	n.a.	F 12
S 13	13 1 36	16°50'26	8♍ 6	8°25	7°10	6°42	4° 6	2° 4	21° 9	25°55	29° 9	15°56	16° 6	0°43	n.a.	S 13
S 14	13 5 32	17°48'06	22°55	9°34	7°41	7°11	4°13	2° 1	21°13	25°57	29°10	15°56	16° 3	0°50	n.a.	S 14
M15	13 9 29	18°45'44	7♎43	10°38	8°13	7°41	4°20	1°59	21°16	25°58	29°11	15°56	16° 0	0°56	n.a.	M15
T 16	13 13 25	19°43'21	22°22	11°38	8°46	8°10	4°27	1°56	21°19	26° 0	29°12	15°R56	15°57	1° 3	n.a.	T 16
W17	13 17 22	20°40'56	6♏46	12°34	9°21	8°40	4°34	1°54	21°22	26° 2	29°13	15°56	15°53	1°10	n.a.	W17
T 18	13 21 18	21°38'30	20°50	13°25	9°57	9°10	4°42	1°52	21°25	26° 4	29°14	15°55	15°50	1°17	n.a.	T 18
F 19	13 25 15	22°36'03	4♐31	14°13	10°34	9°40	4°49	1°50	21°28	26° 6	29°15	15°54	15°47	1°23	n.a.	F 19
S 20	13 29 12	23°33'35	17°47	14°55	11°12	10°11	4°57	1°48	21°32	26° 8	29°16	15°54	15°44	1°30	n.a.	S 20
S 21	13 33 8	24°31'06	0♑40	15°34	11°52	10°41	5° 5	1°46	21°35	26°10	29°17	15°53	15°41	1°37	n.a.	S 21
M22	13 37 5	25°28'36	13°12	16° 7	12°32	11°11	5°12	1°44	21°38	26°12	29°18	15°52	15°37	1°43	n.a.	M22
T 23	13 41 1	26°26'05	25°27	16°36	13°14	11°42	5°20	1°42	21°41	26°14	29°19	15°D52	15°34	1°50	n.a.	T 23
W24	13 44 58	27°23'33	7♒29	17° 1	13°57	12°13	5°29	1°41	21°45	26°16	29°20	15°52	15°31	1°57	n.a.	W24
T 25	13 48 54	28°21'00	19°23	17°21	14°40	12°44	5°37	1°39	21°48	26°18	29°21	15°53	15°28	2° 3	n.a.	T 25
F 26	13 52 51	29°18'27	1♓13	17°36	15°24	13°15	5°45	1°38	21°51	26°20	29°22	15°54	15°25	2°10	n.a.	F 26
S 27	13 56 47	0♉15'52	13° 4	17°46	16°10	13°46	5°54	1°36	21°55	26°22	29°23	15°55	15°22	2°17	n.a.	S 27
S 28	14 0 44	1°13'16	24°59	17°52	16°56	14°18	6° 2	1°35	21°58	26°24	29°24	15°56	15°18	2°23	n.a.	S 28
M29	14 4 41	2°10'40	7♈ 2	17°R53	17°43	14°49	6°11	1°34	22° 1	26°26	29°24	15°57	15°15	2°30	n.a.	M29
T 30	14 8 37	3♉ 8'02	19♈17	17♉49	18♓30	15♋21	6♋20	1♍33	22♉ 5	26♉28	29♒25	15°R57	15♎12	2♓37	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n 7	0n50	1n35	9n15	1n31	6s58	3n44	25n57	2n13	24n23	0n40	13n 0	2n31	18n 0	0s 7	17n59	1s27	26s53	16s 0	6s20	6s39	8s17		n.a.
T 2	2 30	4 41	0 30	10 6	1 40	7 7	3 32	25 56	2 12	24 23	0 40	13 1	2 31	18 1	0 7	17 59	1 27	26 52	16 0	6 20	6 38	8 15		n.a.
W 3	2 54	8 22	0s38	10 55	1 49	7 14	3 19	25 54	2 11	24 23	0 40	13 2	2 31	18 2	0 7	18 0	1 27	26 52	16 0	6 20	6 37	8 14		n.a.
T 4	3 17	11 45	1 45	11 42	1 57	7 21	3 7	25 53	2 10	24 23	0 40	13 3	2 31	18 2	0 7	18 0	1 27	26 52	16 0	6 20	6 36	8 12		n.a.
F 5	3 40	14 39	2 48	12 27	2 5	7 26	2 55	25 51	2 9	24 22	0 40	13 4	2 31	18 3	0 7	18 1	1 27	26 52	16 1	6 20	6 35	8 10		n.a.
S 6	4 3	16 53	3 43	13 10	2 12	7 31	2 43	25 50	2 8	24 22	0 40	13 5	2 31	18 4	0 7	18 1	1 27	26 51	16 1	6 20	6 33	8 8		n.a.
S 7	4 26	18 17	4 29	13 50	2 18	7 35	2 31	25 48	2 7	24 22	0 40	13 6	2 31	18 5	0 7	18 2	1 27	26 51	16 1	6 20	6 32	8 7		n.a.
M 8	4 49	18 42	5 0	14 28	2 23	7 38	2 20	25 46	2 6	24 22	0 40	13 7	2 30	18 6	0 7	18 2	1 27	26 51	16 1	6 21	6 31	8 5		n.a.
T 9	5 12	18 4	5 16	15 3	2 28	7 40	2 9	25 44	2 5	24 22	0 40	13 8	2 30	18 6	0 7	18 3	1 27	26 51	16 2	6 21	6 30	8 3		n.a.
W10	5 34	16 20	5 14	15 36	2 32	7 41	1 58	25 42	2 4	24 22	0 40	13 9	2 30	18 7	0 7	18 3	1 27	26 51	16 2	6 21	6 28	8 1		n.a.
T 11	5 57	13 34	4 53	16 6	2 35	7 41	1 47	25 40	2 3	24 21	0 40	13 10	2 30	18 8	0 7	18 3	1 27	26 50	16 2	6 21	6 27	7 59		n.a.
F 12	6 19	9 56	4 12	16 34	2 37	7 41	1 37	25 37	2 2	24 21	0 40	13 11	2 30	18 9	0 7	18 4	1 27	26 50	16 3	6 21	6 26	7 58		n.a.
S 13	6 42	5 37	3 15	16 59	2 38	7 39	1 26	25 35	2 1	24 21	0 40	13 12	2 30	18 10	0 7	18 4	1 27	26 50	16 3	6 21	6 25	7 56		n.a.
S 14	7 4	0 57	2 4	17 22	2 39	7 37	1 16	25 32	2 0	24 21	0 40	13 13	2 30	18 10	0 7	18 5	1 27	26 50	16 3	6 21	6 23	7 54		n.a.
M15	7 26	3s48	0 45	17 42	2 38	7 34	1 7	25 30	1 59	24 20	0 40	13 13	2 29	18 11	0 7	18 5	1 27	26 50	16 3	6 21	6 22	7 52		n.a.
T 16	7 49	8 16	0n36	18 0	2 37	7 30	0 57	25 27	1 58	24 20	0 40	13 14	2 29	18 12	0 7	18 6	1 27	26 50	16 4	6 21	6 21	7 50		n.a.
W17	8 11	12 10	1 53	18 15	2 34	7 26	0 48	25 24	1 57	24 20	0 40	13 15	2 29	18 13	0 7	18 6	1 27	26 50	16 4	6 21	6 20	7 49		n.a.
T 18	8 32	15 16	3 2	18 28	2 31	7 20	0 39	25 21	1 56	24 20	0 40	13 15	2 29	18 14	0 7	18 7	1 27	26 49	16 4	6 20	6 18	7 47		n.a.
F 19	8 54	17 24	3 58	18 38	2 27	7 14	0 30	25 18	1 55	24 19	0 40	13 16	2 29	18 15	0 7	18 7	1 27	26 49	16 4	6 20	6 17	7 45		n.a.
S 20	9 16	18 32	4 40	18 46	2 21	7 7	0 21	25 15	1 54	24 19	0 40	13 17	2 29	18 16	0 7	18 8	1 27	26 49	16 5	6 20	6 16	7 43		n.a.
S 21	9 37	18 38	5 6	18 51	2 15	7 0	0 13	25 11	1 54	24 19	0 40	13 17	2 28	18 16	0 7	18 8	1 27	26 49	16 5	6 19	6 15	7 42		n.a.
M22	9 58	17 49	5 17	18 54	2 8	6 52	0 5	25 8	1 53	24 18	0 40	13 18	2 28	18 17	0 7	18 9	1 26	26 49	16 5	6 19	6 14	7 40		n.a.
T 23	10 20	16 12	5 13	18 55	2 0	6 43	0s 3	25 4	1 52	24 18	0 40	13 18	2 28	18 18	0 7	18 9	1 26	26 49	16 6	6 19	6 12	7 38		n.a.
W24	10 41	13 53	4 55	18 53	1 50	6 33	0 11	25 1	1 51	24 18	0 40	13 19	2 28	18 19	0 7	18 10	1 26	26 49	16 6	6 19	6 11	7 36		n.a.
T 25	11 1	11 1	4 25	18 50	1 40	6 23	0 18	24 57	1 50	24 17	0 40	13 19	2 28	18 20	0 7	18 10	1 26	26 49	16 6	6 19	6 10	7 34		n.a.
F 26	11 22	7 42	3 43	18 43	1 29	6 12	0 25	24 53	1 49	24 17	0 40	13 19	2 28	18 21	0 7	18 11	1 26	26 49	16 7	6 20	6 9	7 33		n.a.
S 27	11 42	4 5	2 52	18 35	1 17	6 1	0 32	24 49	1 48	24 17	0 40	13 20	2 27	18 22	0 7	18 11	1 26	26 49	16 7	6 20	6 7	7 31		n.a.
S 28	12 3	0 17	1 54	18 24	1 4	5 49	0 39	24 44	1 47	24 16	0 40	13 20	2 27	18 23	0 7	18 12	1 26	26 49	16 7	6 21	6 6	7 29		n.a.
M29	12 23	3n35	0 49	18 11	0 51	5 37	0 45	24 40	1 46	24 16	0 40	13 20	2 27	18 24	0 7	18 12	1 26	26 49	16 8	6 21	6 5	7 27		n.a.
T 30	12n43	7n21	0s18	17n56	0n36	5s23	0s52	24n36	1n45	24n15	0n40	13n20	2n27	18n24	0s 7	18n13	1s26	26s49	16s 8	6s21	6s 4	7s25		n.a.

Julian Day Number = 1573221.5, Delta T = 04h16m17s
Ecliptic obliquity = 23°44'32, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'32, Lahiri = - 9°33'32 Julian Calendar 1 Apr. 406 BCE == Greg. Calendar 27 March 406 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

MAY 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 12 34	4♉ 5'24	1♉43	17°R42	19♓19	15♋52	6♋29	1°R32	22♉ 8	26♉30	29♒26	15°R57	15♎ 9	2♓43	n.a.	W 1
T 2	14 16 30	5° 2'45	14°24	17♉30	20° 8	16°24	6°38	1♍31	22°12	26°32	29°27	15♎55	15° 6	2°50	n.a.	T 2
F 3	14 20 27	6° 0'05	27°20	17°14	20°58	16°56	6°47	1°30	22°15	26°34	29°27	15°53	15° 3	2°57	n.a.	F 3
S 4	14 24 23	6°57'24	10♊30	16°54	21°49	17°29	6°56	1°29	22°19	26°37	29°28	15°50	14°59	3° 3	n.a.	S 4
S 5	14 28 20	7°54'42	23°54	16°31	22°40	18° 1	7° 5	1°29	22°22	26°39	29°29	15°47	14°56	3°10	n.a.	S 5
M 6	14 32 16	8°51'59	7♋30	16° 5	23°31	18°33	7°15	1°28	22°26	26°41	29°30	15°44	14°53	3°17	n.a.	M 6
T 7	14 36 13	9°49'14	21°19	15°36	24°24	19° 6	7°24	1°28	22°29	26°43	29°30	15°42	14°50	3°23	n.a.	T 7
W 8	14 40 10	10°46'29	5♌19	15° 5	25°17	19°38	7°34	1°28	22°33	26°45	29°31	15°D41	14°47	3°30	n.a.	W 8
T 9	14 44 6	11°43'43	19°27	14°33	26°10	20°11	7°44	1°28	22°36	26°47	29°31	15°41	14°43	3°37	n.a.	T 9
F 10	14 48 3	12°40'56	3♍44	14° 0	27° 4	20°44	7°54	1°D28	22°40	26°49	29°32	15°42	14°40	3°44	n.a.	F 10
S 11	14 51 59	13°38'07	18° 5	13°26	27°59	21°17	8° 4	1°28	22°43	26°52	29°33	15°43	14°37	3°50	n.a.	S 11
S 12	14 55 56	14°35'18	2♎28	12°52	28°54	21°50	8°14	1°28	22°47	26°54	29°33	15°44	14°34	3°57	n.a.	S 12
M13	14 59 52	15°32'28	16°50	12°20	29°49	22°23	8°24	1°28	22°50	26°56	29°34	15°R45	14°31	4° 4	n.a.	M13
T 14	15 3 49	16°29'37	1♏ 6	11°48	0♈45	22°56	8°34	1°28	22°54	26°58	29°34	15°44	14°28	4°10	n.a.	T 14
W15	15 7 45	17°26'46	15°11	11°18	1°42	23°29	8°44	1°29	22°57	27° 0	29°35	15°42	14°24	4°17	n.a.	W15
T 16	15 11 42	18°23'54	29° 2	10°51	2°39	24° 3	8°55	1°29	23° 1	27° 3	29°35	15°38	14°21	4°24	n.a.	T 16
F 17	15 15 39	19°21'02	12♐35	10°26	3°36	24°36	9° 5	1°30	23° 4	27° 5	29°36	15°33	14°18	4°30	n.a.	F 17
S 18	15 19 35	20°18'09	25°47	10° 5	4°34	25°10	9°16	1°30	23° 8	27° 7	29°36	15°28	14°15	4°37	n.a.	S 18
S 19	15 23 32	21°15'17	8♑39	9°47	5°32	25°44	9°26	1°31	23°11	27° 9	29°36	15°22	14°12	4°44	n.a.	S 19
M20	15 27 28	22°12'24	21°12	9°33	6°30	26°18	9°37	1°32	23°15	27°12	29°37	15°18	14° 8	4°50	n.a.	M20
T 21	15 31 25	23° 9'31	3♒28	9°23	7°29	26°52	9°48	1°33	23°19	27°14	29°37	15°14	14° 5	4°57	n.a.	T 21
W22	15 35 21	24° 6'37	15°30	9°17	8°29	27°26	9°58	1°34	23°22	27°16	29°37	15°12	14° 2	5° 4	n.a.	W22
T 23	15 39 18	25° 3'44	27°24	9°D17	9°28	28° 0	10° 9	1°36	23°26	27°18	29°38	15°D12	13°59	5°10	n.a.	T 23
F 24	15 43 15	26° 0'51	9♓15	9°20	10°28	28°34	10°20	1°37	23°29	27°20	29°38	15°13	13°56	5°17	n.a.	F 24
S 25	15 47 11	26°57'58	21° 7	9°29	11°29	29° 8	10°31	1°38	23°33	27°23	29°38	15°14	13°53	5°24	n.a.	S 25
S 26	15 51 8	27°55'05	3♈ 5	9°42	12°29	29°43	10°43	1°40	23°36	27°25	29°39	15°16	13°49	5°30	n.a.	S 26
M27	15 55 4	28°52'12	15°13	10° 0	13°30	0♌17	10°54	1°41	23°40	27°27	29°39	15°R16	13°46	5°37	n.a.	M27
T 28	15 59 1	29°49'19	27°36	10°23	14°31	0°52	11° 5	1°43	23°44	27°29	29°39	15°15	13°43	5°44	n.a.	T 28
W29	16 2 57	0♊46'26	10♉17	10°50	15°33	1°26	11°16	1°45	23°47	27°32	29°39	15°13	13°40	5°50	n.a.	W29
T 30	16 6 54	1°43'34	23°16	11°23	16°35	2° 1	11°28	1°47	23°51	27°34	29°39	15° 8	13°37	5°57	n.a.	T 30
F 31	16 10 50	2♊40'41	6♊33	12♉ 0	17♈37	2♌36	11♋39	1♍49	23♉54	27♉36	29♒39	15♎ 2	13♎34	6♓ 4	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	13n 3	10n53	1s26	17n40	0n21	5s10	0s58	24n31	1n45	24n15	0n40	13n21	2n27	18n25	0s 7	18n13	1s26	26s49	16s 8	6s21	6s 2	7s24			n.a.
T 2	13 22	13 58	2 31	17 21	0 5	4 56	1 4	24 26	1 44	24 15	0 40	13 21	2 26	18 26	0 7	18 14	1 26	26 49	16 9	6 20	6 1	7 22			n.a.
F 3	13 41	16 25	3 29	17 1	0s11	4 41	1 9	24 21	1 43	24 14	0 40	13 21	2 26	18 27	0 7	18 14	1 26	26 49	16 9	6 19	6 0	7 20			n.a.
S 4	14 0	18 4	4 17	16 39	0 28	4 26	1 15	24 16	1 42	24 14	0 40	13 21	2 26	18 28	0 7	18 15	1 26	26 49	16 9	6 18	5 59	7 18			n.a.
S 5	14 19	18 44	4 52	16 16	0 45	4 10	1 20	24 11	1 41	24 13	0 40	13 21	2 26	18 29	0 7	18 15	1 26	26 49	16 10	6 17	5 57	7 16			n.a.
M 6	14 38	18 21	5 11	15 52	1 2	3 54	1 25	24 6	1 40	24 13	0 40	13 21	2 26	18 30	0 7	18 16	1 26	26 49	16 10	6 16	5 56	7 15			n.a.
T 7	14 56	16 53	5 13	15 28	1 19	3 38	1 30	24 0	1 39	24 12	0 40	13 21	2 25	18 31	0 7	18 16	1 26	26 49	16 10	6 15	5 55	7 13			n.a.
W 8	15 15	14 23	4 56	15 3	1 36	3 21	1 35	23 55	1 39	24 11	0 40	13 21	2 25	18 32	0 7	18 17	1 26	26 49	16 11	6 15	5 54	7 11			n.a.
T 9	15 33	11 2	4 22	14 37	1 52	3 3	1 39	23 49	1 38	24 11	0 40	13 21	2 25	18 33	0 7	18 17	1 26	26 49	16 11	6 15	5 52	7 9			n.a.
F 10	15 50	7 0	3 31	14 12	2 8	2 46	1 44	23 43	1 37	24 10	0 40	13 20	2 25	18 34	0 7	18 18	1 26	26 50	16 11	6 15	5 51	7 7			n.a.
S 11	16 8	2 32	2 26	13 47	2 24	2 27	1 48	23 37	1 36	24 10	0 40	13 20	2 25	18 34	0 7	18 18	1 26	26 50	16 12	6 16	5 50	7 6			n.a.
S 12	16 25	2s 6	1 12	13 23	2 39	2 9	1 52	23 31	1 35	24 9	0 40	13 20	2 24	18 35	0 7	18 19	1 26	26 50	16 12	6 16	5 49	7 4			n.a.
M13	16 42	6 36	0n 6	13 0	2 52	1 50	1 56	23 25	1 34	24 8	0 40	13 20	2 24	18 36	0 7	18 20	1 26	26 50	16 12	6 16	5 47	7 2			n.a.
T 14	16 59	10 42	1 23	12 38	3 5	1 31	1 59	23 18	1 34	24 8	0 40	13 19	2 24	18 37	0 7	18 20	1 26	26 50	16 13	6 16	5 46	7 0			n.a.
W15	17 15	14 8	2 34	12 17	3 17	1 11	2 3	23 12	1 33	24 7	0 40	13 19	2 24	18 38	0 7	18 21	1 26	26 50	16 13	6 15	5 45	6 58			n.a.
T 16	17 31	16 42	3 35	11 59	3 28	0 51	2 6	23 5	1 32	24 6	0 40	13 19	2 24	18 39	0 7	18 21	1 26	26 50	16 14	6 14	5 44	6 57			n.a.
F 17	17 47	18 16	4 22	11 42	3 37	0 31	2 9	22 58	1 31	24 6	0 40	13 18	2 23	18 40	0 7	18 22	1 26	26 51	16 14	6 12	5 42	6 55			n.a.
S 18	18 3	18 47	4 53	11 28	3 45	0 11	2 12	22 51	1 30	24 5	0 40	13 18	2 23	18 41	0 7	18 22	1 26	26 51	16 14	6 10	5 41	6 53			n.a.
S 19	18 18	18 19	5 9	11 16	3 52	0n10	2 15	22 44	1 30	24 4	0 40	13 17	2 23	18 42	0 7	18 23	1 26	26 51	16 15	6 8	5 40	6 51			n.a.
M20	18 33	16 57	5 10	11 6	3 57	0 31	2 17	22 37	1 29	24 4	0 40	13 17	2 23	18 43	0 7	18 23	1 26	26 51	16 15	6 6	5 39	6 49			n.a.
T 21	18 48	14 50	4 56	10 59	4 1	0 52	2 20	22 29	1 28	24 3	0 40	13 16	2 23	18 44	0 7	18 24	1 26	26 51	16 15	6 4	5 37	6 47			n.a.
W22	19 2	12 6	4 29	10 55	4 4	1 14	2 22	22 22	1 27	24 2	0 40	13 16	2 22	18 45	0 7	18 24	1 26	26 52	16 16	6 4	5 36	6 46			n.a.
T 23	19 16	8 55	3 51	10 53	4 6	1 36	2 24	22 14	1 26	24 1	0 40	13 15	2 22	18 45	0 7	18 25	1 26	26 52	16 16	6 4	5 35	6 44			n.a.
F 24	19 30	5 23	3 3	10 54	4 6	1 58	2 26	22 6	1 26	24 0	0 40	13 14	2 22	18 46	0 7	18 25	1 26	26 52	16 17	6 4	5 34	6 42			n.a.
S 25	19 44	1 37	2 7	10 58	4 5	2 20	2 28	21 58	1 25	23 59	0 40	13 14	2 22	18 47	0 7	18 26	1 26	26 52	16 17	6 4	5 32	6 40			n.a.
S 26	19 57	2n14	1 6	11 4	4 3	2 42	2 30	21 50	1 24	23 58	0 40	13 13	2 22	18 48	0 7	18 26	1 26	26 52	16 17	6 5	5 31	6 38			n.a.
M27	20 10	6 4	0 0	11 12	4 0	3 5	2 31	21 42	1 23	23 58	0 40	13 12	2 21	18 49	0 7	18 27	1 26	26 53	16 18	6 5	5 30	6 37			n.a.
T 28	20 22	9 43	1s 6	11 23	3 56	3 27	2 33	21 33	1 22	23 57	0 40	13 11	2 21	18 50	0 7	18 27	1 26	26 53	16 18	6 5	5 29	6 35			n.a.
W29	20 34	13 1	2 11	11 36	3 51	3 50	2 34	21 25	1 22	23 56	0 40	13 11	2 21	18 51	0 7	18 28	1 26	26 53	16 18	6 4	5 27	6 33			n.a.
T 30	20 46	15 45	3 11	11 52	3 45	4 13	2 35	21 16	1 21	23 55	0 40	13 10	2 21	18 52	0 7	18 28	1 26	26 54	16 19	6 2	5 26	6 31			n.a.
F 31	20n58	17n43	4s 1	12n10	3s39	4n36	2s36	21n 7	1n20	23n54	0n41	13n 9	2n21	18n53	0s 7	18n29	1s26	26s54	16s19	6s 0	5s25	6s29			n.a.

Julian Day Number = 1573251.5, Delta T = 04h16m16s
Ecliptic obliquity = 23°44'31, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'28, Lahiri = - 9°33'28 Julian Calendar 1 May 406 BCE == Greg. Calendar 26 Apr. 406 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

JUNE 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 14 47	3♊37'48	20♊ 8	12♉41	18♈39	3♌11	11♋51	1♍51	23♉58	27♉38	29♒39	14°R54	13♎30	6♓10	n.a.	S 1
S 2	16 18 44	4°34'56	3♋58	13°28	19°41	3°46	12° 3	1°53	24° 1	27°41	29°40	14♎46	13°27	6°17	n.a.	S 2
M 3	16 22 40	5°32'03	17°58	14°18	20°44	4°21	12°14	1°55	24° 5	27°43	29°40	14°39	13°24	6°24	n.a.	M 3
T 4	16 26 37	6°29'11	2♌ 6	15°14	21°47	4°57	12°26	1°58	24° 8	27°45	29°40	14°33	13°21	6°30	n.a.	T 4
W 5	16 30 33	7°26'18	16°17	16°13	22°51	5°32	12°38	2° 0	24°12	27°47	29°R40	14°29	13°18	6°37	n.a.	W 5
T 6	16 34 30	8°23'25	0♍29	17°18	23°54	6° 7	12°50	2° 2	24°15	27°49	29°40	14°27	13°14	6°44	n.a.	T 6
F 7	16 38 26	9°20'32	14°39	18°26	24°58	6°43	13° 1	2° 5	24°19	27°52	29°40	14°D27	13°11	6°50	n.a.	F 7
S 8	16 42 23	10°17'39	28°46	19°39	26° 2	7°18	13°13	2° 8	24°22	27°54	29°40	14°28	13° 8	6°57	n.a.	S 8
S 9	16 46 19	11°14'46	12♎49	20°55	27° 6	7°54	13°25	2°11	24°26	27°56	29°40	14°R28	13° 5	7° 4	n.a.	S 9
M10	16 50 16	12°11'53	26°46	22°16	28°10	8°30	13°37	2°14	24°29	27°58	29°39	14°28	13° 2	7°10	n.a.	M10
T 11	16 54 13	13° 9'00	10♏36	23°42	29°15	9° 6	13°50	2°17	24°32	28° 0	29°39	14°25	12°59	7°17	n.a.	T 11
W12	16 58 9	14° 6'08	24°17	25°11	0♉20	9°42	14° 2	2°20	24°36	28° 3	29°39	14°20	12°55	7°24	n.a.	W12
T 13	17 2 6	15° 3'15	7♐46	26°43	1°24	10°18	14°14	2°23	24°39	28° 5	29°39	14°12	12°52	7°30	n.a.	T 13
F 14	17 6 2	16° 0'24	21° 2	28°20	2°30	10°54	14°26	2°26	24°43	28° 7	29°39	14° 3	12°49	7°37	n.a.	F 14
S 15	17 9 59	16°57'33	4♑ 2	0♊ 1	3°35	11°30	14°38	2°29	24°46	28° 9	29°39	13°52	12°46	7°44	n.a.	S 15
S 16	17 13 55	17°54'42	16°45	1°44	4°40	12° 6	14°51	2°33	24°49	28°11	29°38	13°42	12°43	7°51	n.a.	S 16
M17	17 17 52	18°51'52	29°13	3°32	5°46	12°42	15° 3	2°36	24°53	28°13	29°38	13°32	12°40	7°57	n.a.	M17
T 18	17 21 48	19°49'03	11♒26	5°22	6°52	13°19	15°15	2°40	24°56	28°15	29°38	13°24	12°36	8° 4	n.a.	T 18
W19	17 25 45	20°46'15	23°27	7°15	7°58	13°55	15°28	2°43	24°59	28°17	29°38	13°18	12°33	8°11	n.a.	W19
T 20	17 29 42	21°43'27	5♓20	9°11	9° 4	14°32	15°40	2°47	25° 3	28°20	29°37	13°15	12°30	8°17	n.a.	T 20
F 21	17 33 38	22°40'41	17° 9	11°10	10°11	15° 8	15°53	2°51	25° 6	28°22	29°37	13°13	12°27	8°24	n.a.	F 21
S 22	17 37 35	23°37'55	29° 1	13°10	11°17	15°45	16° 6	2°55	25° 9	28°24	29°37	13°D13	12°24	8°31	n.a.	S 22
S 23	17 41 31	24°35'11	10♈59	15°12	12°24	16°22	16°18	2°59	25°12	28°26	29°36	13°R14	12°20	8°37	n.a.	S 23
M24	17 45 28	25°32'28	23° 9	17°16	13°31	16°58	16°31	3° 3	25°16	28°28	29°36	13°13	12°17	8°44	n.a.	M24
T 25	17 49 24	26°29'45	5♉37	19°21	14°38	17°35	16°43	3° 7	25°19	28°30	29°35	13°11	12°14	8°51	n.a.	T 25
W26	17 53 21	27°27'04	18°26	21°26	15°45	18°12	16°56	3°11	25°22	28°32	29°35	13° 7	12°11	8°57	n.a.	W26
T 27	17 57 17	28°24'24	1♊38	23°32	16°52	18°49	17° 9	3°16	25°25	28°34	29°34	13° 0	12° 8	9° 4	n.a.	T 27
F 28	18 1 14	29°21'45	15°13	25°39	18° 0	19°27	17°22	3°20	25°28	28°36	29°34	12°51	12° 5	9°11	n.a.	F 28
S 29	18 5 11	0♋19'07	29°11	27°45	19° 8	20° 4	17°34	3°24	25°31	28°38	29°33	12°40	12° 1	9°17	n.a.	S 29
S 30	18 9 7	1♋16'30	13♋26	29♊51	20♉15	20♌41	17♋47	3♍29	25♉34	28♉40	29♒33	12♎29	11♎58	9♓24	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n 9	18n44	4s39	12n30	3s31	4n59	2s37	20n59	1n19	23n53	0n41	13n 8	2n20	18n54	0s 7	18n29	1s26	26s54	16s20	5s57	5s24	6s28		n.a.
S 2	21 19	18 39	5 2	12 51	3 23	5 22	2 38	20 49	1 18	23 52	0 41	13 7	2 20	18 54	0 7	18 30	1 26	26 55	16 20	5 53	5 22	6 26		n.a.
M 3	21 30	17 27	5 6	13 15	3 14	5 45	2 38	20 40	1 18	23 51	0 41	13 6	2 20	18 55	0 7	18 30	1 26	26 55	16 20	5 51	5 21	6 24		n.a.
T 4	21 40	15 11	4 53	13 40	3 4	6 9	2 39	20 31	1 17	23 50	0 41	13 5	2 20	18 56	0 7	18 31	1 26	26 55	16 21	5 48	5 20	6 22		n.a.
W 5	21 50	12 0	4 21	14 7	2 54	6 32	2 39	20 21	1 16	23 48	0 41	13 4	2 20	18 57	0 7	18 31	1 26	26 56	16 21	5 47	5 19	6 20		n.a.
T 6	21 59	8 7	3 34	14 36	2 44	6 56	2 39	20 12	1 15	23 47	0 41	13 3	2 19	18 58	0 7	18 32	1 26	26 56	16 21	5 46	5 17	6 18		n.a.
F 7	22 8	3 46	2 33	15 5	2 32	7 19	2 39	20 2	1 15	23 46	0 41	13 2	2 19	18 59	0 7	18 32	1 26	26 56	16 22	5 46	5 16	6 17		n.a.
S 8	22 16	0s46	1 23	15 36	2 21	7 42	2 39	19 52	1 14	23 45	0 41	13 0	2 19	19 0	0 7	18 33	1 26	26 57	16 22	5 46	5 15	6 15		n.a.
S 9	22 25	5 15	0 9	16 8	2 9	8 6	2 39	19 42	1 13	23 44	0 41	12 59	2 19	19 1	0 7	18 33	1 26	26 57	16 23	5 46	5 14	6 13		n.a.
M10	22 32	9 26	1n 5	16 41	1 57	8 29	2 39	19 32	1 12	23 43	0 41	12 58	2 19	19 1	0 7	18 34	1 26	26 57	16 23	5 46	5 12	6 11		n.a.
T 11	22 40	13 3	2 15	17 15	1 45	8 53	2 38	19 21	1 12	23 41	0 41	12 57	2 18	19 2	0 7	18 34	1 26	26 58	16 23	5 45	5 11	6 9		n.a.
W12	22 47	15 55	3 16	17 49	1 32	9 16	2 38	19 11	1 11	23 40	0 41	12 55	2 18	19 3	0 7	18 35	1 26	26 58	16 24	5 43	5 10	6 8		n.a.
T 13	22 54	17 51	4 5	18 23	1 19	9 39	2 37	19 0	1 10	23 39	0 41	12 54	2 18	19 4	0 7	18 35	1 26	26 59	16 24	5 40	5 9	6 6		n.a.
F 14	23 0	18 47	4 40	18 58	1 7	10 3	2 37	18 50	1 9	23 38	0 41	12 53	2 18	19 5	0 7	18 36	1 26	26 59	16 24	5 36	5 7	6 4		n.a.
S 15	23 6	18 42	4 59	19 32	0 54	10 26	2 36	18 39	1 9	23 36	0 41	12 51	2 18	19 6	0 7	18 36	1 26	26 59	16 25	5 32	5 6	6 2		n.a.
S 16	23 11	17 40	5 3	20 6	0 41	10 49	2 35	18 28	1 8	23 35	0 41	12 50	2 18	19 6	0 7	18 37	1 26	27 0	16 25	5 28	5 5	6 0		n.a.
M17	23 16	15 48	4 52	20 39	0 29	11 12	2 34	18 17	1 7	23 34	0 41	12 48	2 17	19 7	0 7	18 37	1 26	27 0	16 25	5 24	5 4	5 58		n.a.
T 18	23 21	13 16	4 28	21 12	0 16	11 35	2 33	18 6	1 6	23 32	0 41	12 47	2 17	19 8	0 7	18 38	1 26	27 1	16 26	5 21	5 2	5 57		n.a.
W19	23 25	10 13	3 53	21 43	0 4	11 57	2 32	17 54	1 6	23 31	0 41	12 45	2 17	19 9	0 7	18 38	1 26	27 1	16 26	5 19	5 1	5 55		n.a.
T 20	23 29	6 46	3 7	22 14	0n 7	12 20	2 30	17 43	1 5	23 29	0 41	12 44	2 17	19 10	0 7	18 39	1 26	27 1	16 27	5 18	5 0	5 53		n.a.
F 21	23 32	3 5	2 14	22 42	0 18	12 42	2 29	17 31	1 4	23 28	0 41	12 42	2 17	19 11	0 6	18 39	1 26	27 2	16 27	5 17	4 59	5 51		n.a.
S 22	23 35	0n45	1 15	23 9	0 29	13 4	2 27	17 19	1 3	23 26	0 41	12 41	2 16	19 11	0 6	18 40	1 26	27 2	16 27	5 17	4 57	5 49		n.a.
S 23	23 38	4 35	0 12	23 34	0 39	13 26	2 26	17 8	1 3	23 25	0 41	12 39	2 16	19 12	0 6	18 40	1 26	27 3	16 28	5 17	4 56	5 47		n.a.
M24	23 40	8 18	0s53	23 56	0 49	13 48	2 24	16 56	1 2	23 23	0 41	12 37	2 16	19 13	0 6	18 40	1 26	27 3	16 28	5 17	4 55	5 46		n.a.
T 25	23 42	11 44	1 56	24 16	0 58	14 10	2 22	16 43	1 1	23 22	0 41	12 36	2 16	19 14	0 6	18 41	1 26	27 4	16 28	5 16	4 54	5 44		n.a.
W26	23 43	14 43	2 55	24 34	1 6	14 31	2 21	16 31	1 0	23 20	0 41	12 34	2 16	19 14	0 6	18 41	1 26	27 4	16 29	5 15	4 52	5 42		n.a.
T 27	23 44	17 3	3 47	24 48	1 14	14 52	2 19	16 19	1 0	23 19	0 41	12 32	2 16	19 15	0 6	18 42	1 26	27 5	16 29	5 12	4 51	5 40		n.a.
F 28	23 44	18 29	4 27	25 1	1 20	15 13	2 17	16 6	0 59	23 17	0 42	12 31	2 15	19 16	0 6	18 42	1 26	27 5	16 29	5 8	4 50	5 38		n.a.
S 29	23 44	18 51	4 53	25 10	1 27	15 34	2 15	15 54	0 58	23 15	0 42	12 29	2 15	19 17	0 6	18 43	1 26	27 6	16 30	5 4	4 49	5 36		n.a.
S 30	23n44	18n 4	5s 1	25n16	1n32	15n54	2s13	15n41	0n57	23n14	0n42	12n27	2n15	19n17	0s 6	18n43	1s26	27s 6	16s30	5s 0	4s47	5s35		n.a.

Julian Day Number = 1573282.5, Delta T = 04h16m15s
Ecliptic obliquity = 23°44'30, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'24, Lahiri = - 9°33'23 Julian Calendar 1 June 406 BCE == Greg. Calendar 27 May 406 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

JULY 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 13 4	2♋13'54	27♋53	1♋56	21♉23	21♌19	18♋ 0	3♍34	25♉37	28♉42	29°R32	12°R18	11♎55	9♓31	n.a.	M 1
T 2	18 17 0	3°11'19	12♌25	4° 0	22°31	21°56	18°13	3°38	25°40	28°44	29♒32	12♎ 9	11°52	9°37	n.a.	T 2
W 3	18 20 57	4° 8'45	26°56	6° 4	23°39	22°34	18°26	3°43	25°43	28°46	29°31	12° 3	11°49	9°44	n.a.	W 3
T 4	18 24 53	5° 6'11	11♍21	8° 7	24°48	23°11	18°39	3°48	25°46	28°47	29°31	12° 0	11°46	9°51	n.a.	T 4
F 5	18 28 50	6° 3'38	25°36	10° 8	25°56	23°49	18°52	3°53	25°49	28°49	29°30	11°58	11°42	9°57	n.a.	F 5
S 6	18 32 47	7° 1'06	9♎40	12° 8	27° 4	24°27	19° 5	3°58	25°52	28°51	29°29	11°58	11°39	10° 4	n.a.	S 6
S 7	18 36 43	7°58'35	23°32	14° 7	28°13	25° 4	19°18	4° 3	25°55	28°53	29°29	11°58	11°36	10°11	n.a.	S 7
M 8	18 40 40	8°56'05	7♏12	16° 5	29°22	25°42	19°31	4° 8	25°58	28°55	29°28	11°56	11°33	10°17	n.a.	M 8
T 9	18 44 36	9°53'36	20°41	18° 1	0♊31	26°20	19°44	4°13	26° 1	28°57	29°27	11°53	11°30	10°24	n.a.	T 9
W10	18 48 33	10°51'09	3♐59	19°55	1°40	26°58	19°57	4°18	26° 3	28°58	29°27	11°46	11°26	10°31	n.a.	W10
T 11	18 52 29	11°48'42	17° 6	21°48	2°49	27°36	20°10	4°23	26° 6	29° 0	29°26	11°37	11°23	10°37	n.a.	T 11
F 12	18 56 26	12°46'16	0♑ 1	23°40	3°58	28°15	20°23	4°29	26° 9	29° 2	29°25	11°25	11°20	10°44	n.a.	F 12
S 13	19 0 22	13°43'52	12°44	25°30	5° 7	28°53	20°36	4°34	26°12	29° 4	29°24	11°12	11°17	10°51	n.a.	S 13
S 14	19 4 19	14°41'29	25°14	27°19	6°17	29°31	20°49	4°39	26°14	29° 5	29°24	10°59	11°14	10°57	n.a.	S 14
M15	19 8 16	15°39'08	7♒32	29° 6	7°26	0♍10	21° 2	4°45	26°17	29° 7	29°23	10°47	11°11	11° 4	n.a.	M15
T 16	19 12 12	16°36'48	19°38	0♌52	8°36	0°48	21°15	4°51	26°19	29° 9	29°22	10°37	11° 7	11°11	n.a.	T 16
W17	19 16 9	17°34'29	1♓35	2°36	9°46	1°27	21°28	4°56	26°22	29°10	29°21	10°29	11° 4	11°17	n.a.	W17
T 18	19 20 5	18°32'13	13°25	4°19	10°55	2° 5	21°41	5° 2	26°24	29°12	29°20	10°24	11° 1	11°24	n.a.	T 18
F 19	19 24 2	19°29'58	25°13	6° 1	12° 5	2°44	21°54	5° 8	26°27	29°13	29°19	10°21	10°58	11°31	n.a.	F 19
S 20	19 27 58	20°27'44	7♈ 2	7°41	13°15	3°23	22° 7	5°13	26°29	29°15	29°19	10°D20	10°55	11°37	n.a.	S 20
S 21	19 31 55	21°25'33	18°59	9°19	14°26	4° 1	22°21	5°19	26°32	29°17	29°18	10°R21	10°52	11°44	n.a.	S 21
M22	19 35 51	22°23'23	1♉ 9	10°57	15°36	4°40	22°34	5°25	26°34	29°18	29°17	10°20	10°48	11°51	n.a.	M22
T 23	19 39 48	23°21'16	13°36	12°33	16°46	5°19	22°47	5°31	26°36	29°20	29°16	10°19	10°45	11°57	n.a.	T 23
W24	19 43 45	24°19'10	26°26	14° 7	17°57	5°58	23° 0	5°37	26°39	29°21	29°15	10°15	10°42	12° 4	n.a.	W24
T 25	19 47 41	25°17'06	9♊42	15°40	19° 7	6°37	23°13	5°43	26°41	29°22	29°14	10° 9	10°39	12°11	n.a.	T 25
F 26	19 51 38	26°15'04	23°26	17°12	20°18	7°17	23°26	5°49	26°43	29°24	29°13	10° 1	10°36	12°17	n.a.	F 26
S 27	19 55 34	27°13'04	7♋36	18°43	21°29	7°56	23°39	5°55	26°45	29°25	29°12	9°51	10°32	12°24	n.a.	S 27
S 28	19 59 31	28°11'06	22° 9	20°12	22°40	8°35	23°52	6° 2	26°47	29°27	29°11	9°40	10°29	12°31	n.a.	S 28
M29	20 3 27	29° 9'10	6♌58	21°39	23°51	9°15	24° 5	6° 8	26°50	29°28	29°10	9°30	10°26	12°37	n.a.	M29
T 30	20 7 24	0♌ 7'15	21°54	23° 6	25° 2	9°54	24°18	6°14	26°52	29°29	29° 9	9°21	10°23	12°44	n.a.	T 30
W31	20 11 20	1♌ 5'22	6♍48	24♌30	26♊13	10♍34	24♋32	6♍20	26♉54	29♉30	29♒ 8	9♎15	10♎20	12♓51	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n43	16n 6	4s50	25n20	1n36	16n14	2s10	15n28	0n57	23n12	0n42	12n25	2n15	19n18	0s 6	18n43	1s26	27s 7	16s30	4s55	4s46	5s33		n.a.
T 2	23 42	13 7	4 21	25 21	1 40	16 34	2 8	15 15	0 56	23 10	0 42	12 23	2 15	19 19	0 6	18 44	1 26	27 7	16 31	4 52	4 45	5 31		n.a.
W 3	23 41	9 20	3 34	25 19	1 43	16 53	2 6	15 2	0 55	23 9	0 42	12 21	2 15	19 20	0 6	18 44	1 26	27 8	16 31	4 49	4 44	5 29		n.a.
T 4	23 39	5 1	2 34	25 15	1 46	17 13	2 4	14 49	0 54	23 7	0 42	12 19	2 14	19 20	0 6	18 45	1 26	27 8	16 31	4 48	4 42	5 27		n.a.
F 5	23 36	0 28	1 26	25 8	1 47	17 31	2 1	14 36	0 54	23 5	0 42	12 18	2 14	19 21	0 6	18 45	1 26	27 9	16 32	4 47	4 41	5 25		n.a.
S 6	23 33	4s 4	0 12	24 59	1 48	17 50	1 59	14 22	0 53	23 3	0 42	12 16	2 14	19 22	0 6	18 45	1 26	27 9	16 32	4 47	4 40	5 24		n.a.
S 7	23 30	8 19	1n 1	24 47	1 49	18 8	1 56	14 9	0 52	23 2	0 42	12 14	2 14	19 23	0 6	18 46	1 26	27 10	16 32	4 47	4 39	5 22		n.a.
M 8	23 26	12 3	2 9	24 33	1 48	18 25	1 53	13 55	0 51	23 0	0 42	12 12	2 14	19 23	0 6	18 46	1 26	27 10	16 33	4 47	4 37	5 20		n.a.
T 9	23 22	15 6	3 9	24 17	1 47	18 43	1 51	13 41	0 51	22 58	0 42	12 10	2 14	19 24	0 6	18 47	1 26	27 11	16 33	4 45	4 36	5 18		n.a.
W10	23 18	17 19	3 58	23 59	1 46	18 59	1 48	13 28	0 50	22 56	0 42	12 7	2 14	19 25	0 6	18 47	1 26	27 11	16 33	4 43	4 35	5 16		n.a.
T 11	23 13	18 34	4 34	23 40	1 44	19 16	1 45	13 14	0 49	22 54	0 42	12 5	2 14	19 25	0 6	18 47	1 26	27 12	16 33	4 39	4 34	5 14		n.a.
F 12	23 7	18 50	4 54	23 18	1 42	19 32	1 43	13 0	0 49	22 52	0 42	12 3	2 13	19 26	0 6	18 48	1 26	27 13	16 34	4 34	4 32	5 13		n.a.
S 13	23 1	18 9	5 0	22 55	1 39	19 47	1 40	12 45	0 48	22 50	0 42	12 1	2 13	19 26	0 6	18 48	1 26	27 13	16 34	4 29	4 31	5 11		n.a.
S 14	22 55	16 35	4 51	22 31	1 35	20 2	1 37	12 31	0 47	22 48	0 43	11 59	2 13	19 27	0 6	18 48	1 26	27 14	16 34	4 24	4 30	5 9		n.a.
M15	22 49	14 17	4 29	22 5	1 31	20 17	1 34	12 17	0 46	22 46	0 43	11 57	2 13	19 28	0 6	18 49	1 26	27 14	16 35	4 19	4 29	5 7		n.a.
T 16	22 42	11 25	3 54	21 38	1 27	20 31	1 31	12 2	0 46	22 44	0 43	11 55	2 13	19 28	0 6	18 49	1 26	27 15	16 35	4 15	4 27	5 5		n.a.
W17	22 34	8 6	3 10	21 10	1 22	20 45	1 28	11 48	0 45	22 42	0 43	11 52	2 13	19 29	0 6	18 49	1 26	27 15	16 35	4 12	4 26	5 3		n.a.
T 18	22 26	4 29	2 18	20 40	1 17	20 58	1 25	11 33	0 44	22 40	0 43	11 50	2 13	19 30	0 6	18 50	1 26	27 16	16 35	4 10	4 25	5 2		n.a.
F 19	22 18	0 43	1 19	20 10	1 12	21 10	1 22	11 18	0 44	22 38	0 43	11 48	2 13	19 30	0 6	18 50	1 26	27 16	16 36	4 9	4 24	5 0		n.a.
S 20	22 10	3n 6	0 18	19 39	1 6	21 22	1 19	11 3	0 43	22 36	0 43	11 46	2 12	19 31	0 6	18 50	1 26	27 17	16 36	4 9	4 22	4 58		n.a.
S 21	22 1	6 49	0s46	19 7	1 0	21 34	1 16	10 49	0 42	22 34	0 43	11 43	2 12	19 31	0 6	18 51	1 26	27 18	16 36	4 9	4 21	4 56		n.a.
M22	21 51	10 20	1 48	18 34	0 54	21 45	1 13	10 33	0 41	22 32	0 43	11 41	2 12	19 32	0 6	18 51	1 27	27 18	16 36	4 9	4 20	4 54		n.a.
T 23	21 42	13 28	2 47	18 0	0 47	21 55	1 9	10 18	0 41	22 30	0 43	11 39	2 12	19 32	0 6	18 51	1 27	27 19	16 37	4 8	4 18	4 52		n.a.
W24	21 31	16 3	3 39	17 26	0 40	22 5	1 6	10 3	0 40	22 28	0 43	11 36	2 12	19 33	0 6	18 51	1 27	27 19	16 37	4 7	4 17	4 51		n.a.
T 25	21 21	17 53	4 21	16 52	0 33	22 15	1 3	9 48	0 39	22 26	0 43	11 34	2 12	19 33	0 6	18 52	1 27	27 20	16 37	4 4	4 16	4 49		n.a.
F 26	21 10	18 45	4 50	16 17	0 26	22 23	1 0	9 32	0 38	22 24	0 43	11 32	2 12	19 34	0 6	18 52	1 27	27 20	16 37	4 1	4 15	4 47		n.a.
S 27	20 59	18 30	5 2	15 42	0 18	22 31	0 57	9 17	0 38	22 21	0 44	11 29	2 12	19 35	0 6	18 52	1 27	27 21	16 37	3 57	4 13	4 45		n.a.
S 28	20 47	17 2	4 55	15 6	0 10	22 39	0 53	9 1	0 37	22 19	0 44	11 27	2 12	19 35	0 6	18 53	1 27	27 22	16 38	3 52	4 12	4 43		n.a.
M29	20 35	14 26	4 29	14 30	0 2	22 46	0 50	8 46	0 36	22 17	0 44	11 24	2 11	19 35	0 6	18 53	1 27	27 22	16 38	3 48	4 11	4 41		n.a.
T 30	20 23	10 52	3 44	13 54	0s 6	22 52	0 47	8 30	0 36	22 15	0 44	11 22	2 11	19 36	0 6	18 53	1 27	27 23	16 38	3 45	4 10	4 39		n.a.
W31	20n10	6n36	2s43	13n18	0s14	22n57	0s44	8n14	0n35	22n12	0n44	11n20	2n11	19n36	0s 6	18n53	1s27	27s23	16s38	3s43	4s 8	4s38		n.a.

Julian Day Number = 1573312.5, Delta T = 04h16m14s
Ecliptic obliquity = 23°44'30, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'20, Lahiri = - 9°33'19 Julian Calendar 1 July 406 BCE == Greg. Calendar 26 June 406 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

AUGUST 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 15 17	2♌ 3'30	21♍32	25♌54	27♊24	11♍13	24♋45	6♍27	26♉55	29♉32	29°R 7	9°R12	10♎17	12♓57	n.a.	T 1
F 2	20 19 14	3° 1'40	6♎ 2	27°16	28°36	11°53	24°58	6°33	26°57	29°33	29♒ 6	9°D11	10°13	13° 4	n.a.	F 2
S 3	20 23 10	3°59'52	20°13	28°36	29°47	12°33	25°11	6°40	26°59	29°34	29° 5	9♎11	10°10	13°11	n.a.	S 3
S 4	20 27 7	4°58'05	4♏ 6	29°55	0♋59	13°12	25°24	6°46	27° 1	29°35	29° 4	9°R11	10° 7	13°17	n.a.	S 4
M 5	20 31 3	5°56'20	17°40	1♍12	2°10	13°52	25°37	6°53	27° 3	29°36	29° 3	9°11	10° 4	13°24	n.a.	M 5
T 6	20 35 0	6°54'36	0♐57	2°27	3°22	14°32	25°50	6°59	27° 5	29°38	29° 2	9° 8	10° 1	13°30	n.a.	T 6
W 7	20 38 56	7°52'54	13°59	3°41	4°34	15°12	26° 3	7° 6	27° 6	29°39	29° 1	9° 3	9°58	13°37	n.a.	W 7
T 8	20 42 53	8°51'14	26°48	4°53	5°45	15°52	26°16	7°13	27° 8	29°40	28°59	8°56	9°54	13°44	n.a.	T 8
F 9	20 46 49	9°49'36	9♑24	6° 3	6°57	16°32	26°29	7°19	27° 9	29°41	28°58	8°46	9°51	13°50	n.a.	F 9
S 10	20 50 46	10°47'59	21°50	7°11	8° 9	17°13	26°42	7°26	27°11	29°42	28°57	8°36	9°48	13°57	n.a.	S 10
S 11	20 54 42	11°46'24	4♒ 5	8°17	9°21	17°53	26°54	7°33	27°12	29°43	28°56	8°25	9°45	14° 4	n.a.	S 11
M12	20 58 39	12°44'51	16°12	9°21	10°34	18°33	27° 7	7°40	27°14	29°44	28°55	8°15	9°42	14°10	n.a.	M12
T 13	21 2 36	13°43'20	28°10	10°23	11°46	19°14	27°20	7°46	27°15	29°44	28°54	8° 7	9°38	14°17	n.a.	T 13
W14	21 6 32	14°41'51	10♓ 2	11°21	12°58	19°54	27°33	7°53	27°17	29°45	28°53	8° 1	9°35	14°24	n.a.	W14
T 15	21 10 29	15°40'24	21°50	12°18	14°11	20°35	27°46	8° 0	27°18	29°46	28°51	7°57	9°32	14°30	n.a.	T 15
F 16	21 14 25	16°39'00	3♈37	13°11	15°23	21°15	27°59	8° 7	27°19	29°47	28°50	7°D56	9°29	14°37	n.a.	F 16
S 17	21 18 22	17°37'38	15°26	14° 1	16°36	21°56	28°11	8°14	27°20	29°48	28°49	7°56	9°26	14°44	n.a.	S 17
S 18	21 22 18	18°36'17	27°23	14°48	17°48	22°37	28°24	8°21	27°22	29°48	28°48	7°57	9°23	14°50	n.a.	S 18
M19	21 26 15	19°35'00	9♉31	15°31	19° 1	23°18	28°37	8°28	27°23	29°49	28°47	7°58	9°19	14°57	n.a.	M19
T 20	21 30 11	20°33'44	21°56	16°11	20°14	23°58	28°49	8°35	27°24	29°50	28°46	7°R59	9°16	15° 4	n.a.	T 20
W21	21 34 8	21°32'31	4♊42	16°46	21°27	24°39	29° 2	8°42	27°25	29°50	28°44	7°58	9°13	15°10	n.a.	W21
T 22	21 38 5	22°31'21	17°55	17°17	22°40	25°20	29°14	8°49	27°26	29°51	28°43	7°55	9°10	15°17	n.a.	T 22
F 23	21 42 1	23°30'13	1♋36	17°43	23°53	26° 1	29°27	8°56	27°27	29°52	28°42	7°50	9° 7	15°24	n.a.	F 23
S 24	21 45 58	24°29'07	15°46	18° 4	25° 6	26°43	29°39	9° 3	27°27	29°52	28°41	7°44	9° 3	15°30	n.a.	S 24
S 25	21 49 54	25°28'04	0♌22	18°19	26°19	27°24	29°52	9°10	27°28	29°53	28°40	7°38	9° 0	15°37	n.a.	S 25
M26	21 53 51	26°27'02	15°19	18°29	27°32	28° 5	0♌ 4	9°17	27°29	29°53	28°38	7°31	8°57	15°44	n.a.	M26
T 27	21 57 47	27°26'03	0♍27	18°R31	28°45	28°47	0°17	9°24	27°30	29°54	28°37	7°26	8°54	15°50	n.a.	T 27
W28	22 1 44	28°25'06	15°39	18°27	29°59	29°28	0°29	9°32	27°30	29°54	28°36	7°23	8°51	15°57	n.a.	W28
T 29	22 5 40	29°24'11	0♎42	18°16	1♌12	0♎10	0°41	9°39	27°31	29°54	28°35	7°D21	8°48	16° 4	n.a.	T 29
F 30	22 9 37	0♍23'18	15°30	17°58	2°26	0°51	0°54	9°46	27°31	29°55	28°34	7°21	8°44	16°10	n.a.	F 30
S 31	22 13 33	1♍22'27	29♎56	17♍31	3♌39	1♎33	1♌ 6	9♍53	27♉32	29♉55	28♒32	7♎22	8♎41	16♓17	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	19n57	1n59	1s33	12n42	0s22	23n 2	0s41	7n58	0n34	22n10	0n44	11n17	2n11	19n37	0s 6	18n54	1s27	27s24	16s38	3s41	4s 7	4s36			n.a.
F 2	19 44	2s41	0 17	12 6	0 31	23 7	0 37	7 42	0 33	22 8	0 44	11 15	2 11	19 37	0 6	18 54	1 27	27 24	16 39	3 41	4 6	4 34			n.a.
S 3	19 30	7 6	0n59	11 30	0 39	23 10	0 34	7 26	0 33	22 6	0 44	11 12	2 11	19 38	0 6	18 54	1 27	27 25	16 39	3 41	4 5	4 32			n.a.
S 4	19 16	11 1	2 9	10 54	0 48	23 13	0 31	7 10	0 32	22 3	0 44	11 10	2 11	19 38	0 6	18 54	1 27	27 25	16 39	3 41	4 3	4 30			n.a.
M 5	19 1	14 16	3 10	10 18	0 57	23 16	0 28	6 54	0 31	22 1	0 44	11 7	2 11	19 39	0 6	18 54	1 27	27 26	16 39	3 41	4 2	4 28			n.a.
T 6	18 47	16 42	4 0	9 42	1 6	23 18	0 24	6 38	0 31	21 59	0 44	11 5	2 11	19 39	0 6	18 55	1 27	27 27	16 39	3 40	4 1	4 27			n.a.
W 7	18 32	18 12	4 36	9 7	1 15	23 19	0 21	6 22	0 30	21 56	0 45	11 2	2 11	19 39	0 6	18 55	1 27	27 27	16 39	3 38	4 0	4 25			n.a.
T 8	18 16	18 44	4 58	8 33	1 24	23 19	0 18	6 5	0 29	21 54	0 45	10 59	2 11	19 40	0 6	18 55	1 27	27 28	16 40	3 35	3 58	4 23			n.a.
F 9	18 1	18 20	5 5	7 58	1 33	23 19	0 15	5 49	0 28	21 51	0 45	10 57	2 11	19 40	0 6	18 55	1 27	27 28	16 40	3 31	3 57	4 21			n.a.
S 10	17 45	17 4	4 57	7 25	1 42	23 18	0 12	5 32	0 28	21 49	0 45	10 54	2 11	19 41	0 6	18 55	1 27	27 29	16 40	3 27	3 56	4 19			n.a.
S 11	17 28	15 1	4 35	6 52	1 51	23 16	0 8	5 16	0 27	21 47	0 45	10 52	2 11	19 41	0 6	18 55	1 27	27 29	16 40	3 23	3 54	4 17			n.a.
M12	17 12	12 21	4 1	6 19	1 59	23 14	0 5	4 59	0 26	21 44	0 45	10 49	2 10	19 41	0 6	18 56	1 27	27 30	16 40	3 19	3 53	4 15			n.a.
T 13	16 55	9 11	3 17	5 48	2 8	23 11	0 2	4 42	0 26	21 42	0 45	10 46	2 10	19 42	0 6	18 56	1 27	27 30	16 40	3 16	3 52	4 14			n.a.
W14	16 38	5 41	2 24	5 17	2 17	23 7	0n 1	4 26	0 25	21 39	0 45	10 44	2 10	19 42	0 6	18 56	1 27	27 31	16 40	3 13	3 51	4 12			n.a.
T 15	16 20	1 58	1 26	4 48	2 26	23 2	0 4	4 9	0 24	21 37	0 45	10 41	2 10	19 42	0 6	18 56	1 27	27 31	16 40	3 12	3 49	4 10			n.a.
F 16	16 3	1n49	0 23	4 19	2 34	22 57	0 7	3 52	0 23	21 34	0 46	10 38	2 10	19 42	0 6	18 56	1 27	27 32	16 41	3 11	3 48	4 8			n.a.
S 17	15 45	5 32	0s41	3 52	2 42	22 52	0 10	3 35	0 23	21 32	0 46	10 36	2 10	19 43	0 6	18 56	1 27	27 32	16 41	3 11	3 47	4 6			n.a.
S 18	15 26	9 4	1 43	3 27	2 50	22 45	0 13	3 18	0 22	21 29	0 46	10 33	2 10	19 43	0 6	18 56	1 27	27 33	16 41	3 12	3 46	4 4			n.a.
M19	15 8	12 17	2 42	3 3	2 58	22 38	0 16	3 1	0 21	21 27	0 46	10 30	2 10	19 43	0 6	18 57	1 28	27 33	16 41	3 12	3 44	4 2			n.a.
T 20	14 49	15 1	3 35	2 40	3 6	22 30	0 19	2 44	0 21	21 24	0 46	10 28	2 10	19 44	0 6	18 57	1 28	27 34	16 41	3 12	3 43	4 1			n.a.
W21	14 30	17 6	4 19	2 20	3 13	22 22	0 21	2 27	0 20	21 22	0 46	10 25	2 10	19 44	0 6	18 57	1 28	27 34	16 41	3 12	3 42	3 59			n.a.
T 22	14 11	18 21	4 51	2 2	3 19	22 13	0 24	2 10	0 19	21 19	0 46	10 22	2 10	19 44	0 6	18 57	1 28	27 35	16 41	3 11	3 41	3 57			n.a.
F 23	13 51	18 36	5 8	1 46	3 26	22 3	0 27	1 53	0 19	21 17	0 46	10 20	2 10	19 44	0 6	18 57	1 28	27 35	16 41	3 9	3 39	3 55			n.a.
S 24	13 32	17 43	5 7	1 33	3 31	21 52	0 30	1 36	0 18	21 14	0 47	10 17	2 10	19 44	0 6	18 57	1 28	27 36	16 41	3 6	3 38	3 53			n.a.
S 25	13 12	15 40	4 46	1 22	3 36	21 41	0 32	1 19	0 17	21 12	0 47	10 14	2 10	19 45	0 6	18 57	1 28	27 36	16 41	3 4	3 37	3 51			n.a.
M26	12 51	12 32	4 5	1 15	3 40	21 29	0 35	1 1	0 16	21 9	0 47	10 11	2 10	19 45	0 6	18 57	1 28	27 37	16 41	3 1	3 36	3 50			n.a.
T 27	12 31	8 32	3 7	1 11	3 43	21 17	0 38	0 44	0 16	21 7	0 47	10 9	2 10	19 45	0 6	18 57	1 28	27 37	16 41	2 59	3 34	3 48			n.a.
W28	12 10	3 57	1 56	1 10	3 45	21 4	0 40	0 27	0 15	21 4	0 47	10 6	2 10	19 45	0 6	18 57	1 28	27 38	16 41	2 58	3 33	3 46			n.a.
T 29	11 50	0s50	0 36	1 14	3 46	20 50	0 43	0 9	0 14	21 2	0 47	10 3	2 10	19 45	0 6	18 57	1 28	27 38	16 41	2 57	3 32	3 44			n.a.
F 30	11 29	5 30	0n44	1 22	3 46	20 36	0 45	0s 8	0 14	20 59	0 47	10 0	2 10	19 45	0 6	18 57	1 28	27 39	16 41	2 57	3 30	3 42			n.a.
S 31	11n 7	9s43	2n 0	1n34	3s44	20n21	0n48	0s26	0n13	20n56	0n48	9n58	2n10	19n45	0s 6	18n57	1s28	27s39	16s41	2s58	3s29	3s40			n.a.

Julian Day Number = 1573343.5, Delta T = 04h16m12s
Ecliptic obliquity = 23°44'30, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'15, Lahiri = - 9°33'15 Julian Calendar 1 Aug. 406 BCE == Greg. Calendar 27 July 406 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

SEPTEMBER 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 17 30	2♍21'38	13♏59	16°R57	4♌53	2♎14	1♌18	10♍ 0	27♉32	29♉55	28°R31	7♎24	8♎38	16♓24	n.a.	S 1
M 2	22 21 27	3°20'51	27°38	16♍16	6° 6	2°56	1°30	10° 7	27°33	29°55	28♒30	7°R25	8°35	16°30	n.a.	M 2
T 3	22 25 23	4°20'05	10♐54	15°27	7°20	3°38	1°42	10°15	27°33	29°56	28°29	7°25	8°32	16°37	n.a.	T 3
W 4	22 29 20	5°19'22	23°49	14°31	8°34	4°20	1°54	10°22	27°33	29°56	28°28	7°23	8°29	16°44	n.a.	W 4
T 5	22 33 16	6°18'40	6♑28	13°29	9°48	5° 2	2° 6	10°29	27°34	29°56	28°26	7°20	8°25	16°50	n.a.	T 5
F 6	22 37 13	7°18'00	18°52	12°23	11° 2	5°44	2°18	10°36	27°34	29°56	28°25	7°16	8°22	16°57	n.a.	F 6
S 7	22 41 9	8°17'23	1♒ 5	11°13	12°16	6°26	2°29	10°44	27°34	29°56	28°24	7°11	8°19	17° 4	n.a.	S 7
S 8	22 45 6	9°16'47	13° 9	10° 2	13°30	7° 8	2°41	10°51	27°34	29°R56	28°23	7° 6	8°16	17°10	n.a.	S 8
M 9	22 49 2	10°16'13	25° 5	8°51	14°44	7°50	2°53	10°58	27°R34	29°56	28°22	7° 1	8°13	17°17	n.a.	M 9
T 10	22 52 59	11°15'41	6♓57	7°42	15°58	8°33	3° 4	11° 5	27°34	29°56	28°20	6°58	8° 9	17°24	n.a.	T 10
W11	22 56 56	12°15'11	18°46	6°38	17°12	9°15	3°16	11°13	27°34	29°56	28°19	6°55	8° 6	17°30	n.a.	W11
T 12	23 0 52	13°14'44	0♈34	5°40	18°26	9°57	3°27	11°20	27°34	29°56	28°18	6°54	8° 3	17°37	n.a.	T 12
F 13	23 4 49	14°14'18	12°23	4°49	19°40	10°40	3°39	11°27	27°33	29°56	28°17	6°D54	8° 0	17°43	n.a.	F 13
S 14	23 8 45	15°13'55	24°16	4° 8	20°55	11°22	3°50	11°34	27°33	29°56	28°16	6°55	7°57	17°50	n.a.	S 14
S 15	23 12 42	16°13'34	6♉16	3°37	22° 9	12° 5	4° 1	11°42	27°33	29°55	28°15	6°56	7°54	17°57	n.a.	S 15
M16	23 16 38	17°13'16	18°27	3°17	23°24	12°48	4°13	11°49	27°33	29°55	28°14	6°58	7°50	18° 3	n.a.	M16
T 17	23 20 35	18°13'00	0♊53	3°D 8	24°38	13°30	4°24	11°56	27°32	29°55	28°12	6°59	7°47	18°10	n.a.	T 17
W18	23 24 31	19°12'46	13°37	3°10	25°52	14°13	4°35	12° 3	27°32	29°55	28°11	7°R 0	7°44	18°17	n.a.	W18
T 19	23 28 28	20°12'35	26°44	3°23	27° 7	14°56	4°46	12°10	27°31	29°54	28°10	7° 0	7°41	18°23	n.a.	T 19
F 20	23 32 24	21°12'26	10♋16	3°46	28°22	15°39	4°57	12°18	27°31	29°54	28° 9	6°59	7°38	18°30	n.a.	F 20
S 21	23 36 21	22°12'19	24°15	4°20	29°36	16°22	5° 7	12°25	27°30	29°53	28° 8	6°58	7°34	18°37	n.a.	S 21
S 22	23 40 18	23°12'15	8♌40	5° 2	0♍51	17° 5	5°18	12°32	27°29	29°53	28° 7	6°56	7°31	18°43	n.a.	S 22
M23	23 44 14	24°12'13	23°28	5°52	2° 6	17°48	5°29	12°39	27°29	29°53	28° 6	6°54	7°28	18°50	n.a.	M23
T 24	23 48 11	25°12'13	8♍32	6°50	3°21	18°31	5°39	12°46	27°28	29°52	28° 5	6°53	7°25	18°57	n.a.	T 24
W25	23 52 7	26°12'15	23°45	7°54	4°35	19°15	5°50	12°53	27°27	29°52	28° 4	6°52	7°22	19° 3	n.a.	W25
T 26	23 56 4	27°12'19	8♎56	9° 4	5°50	19°58	6° 0	13° 0	27°26	29°51	28° 3	6°D52	7°19	19°10	n.a.	T 26
F 27	0 0 0	28°12'26	23°56	10°18	7° 5	20°41	6°10	13° 8	27°25	29°50	28° 2	6°52	7°15	19°17	n.a.	F 27
S 28	0 3 57	29°12'34	8♏37	11°37	8°20	21°25	6°21	13°15	27°24	29°50	28° 1	6°53	7°12	19°23	n.a.	S 28
S 29	0 7 53	0♎12'43	22°54	13° 0	9°35	22° 8	6°31	13°22	27°23	29°49	28° 0	6°54	7° 9	19°30	n.a.	S 29
M30	0 11 50	1♎12'55	6♐44	14♍25	10♍50	22♎52	6♌41	13♍29	27♉22	29♉48	27♒59	6♎54	7♎ 6	19♓37	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n46	13s16	3n 7	1n50	3s41	20n 6	0n50	0s43	0n12	20n54	0n48	9n55	2n10	19n46	0s 6	18n57	1s28	27s40	16s41	2s58	3s28	3s38		n.a.
M 2	10 24	15 58	4 1	2 11	3 35	19 50	0 52	1 0	0 12	20 51	0 48	9 52	2 10	19 46	0 6	18 57	1 28	27 40	16 41	2 59	3 27	3 37		n.a.
T 3	10 3	17 44	4 40	2 37	3 28	19 33	0 55	1 18	0 11	20 49	0 48	9 49	2 10	19 46	0 6	18 57	1 28	27 40	16 41	2 59	3 25	3 35		n.a.
W 4	9 41	18 32	5 4	3 7	3 19	19 16	0 57	1 35	0 10	20 46	0 48	9 47	2 10	19 46	0 6	18 57	1 28	27 41	16 41	2 58	3 24	3 33		n.a.
T 5	9 19	18 22	5 13	3 41	3 8	18 58	0 59	1 53	0 9	20 44	0 48	9 44	2 10	19 46	0 6	18 57	1 28	27 41	16 41	2 57	3 23	3 31		n.a.
F 6	8 56	17 20	5 7	4 18	2 55	18 39	1 1	2 10	0 9	20 41	0 48	9 41	2 10	19 46	0 6	18 57	1 28	27 42	16 41	2 55	3 22	3 29		n.a.
S 7	8 34	15 31	4 46	4 59	2 40	18 20	1 3	2 28	0 8	20 38	0 49	9 38	2 10	19 46	0 6	18 57	1 28	27 42	16 41	2 53	3 20	3 27		n.a.
S 8	8 11	13 2	4 14	5 41	2 24	18 1	1 5	2 45	0 7	20 36	0 49	9 36	2 10	19 46	0 6	18 57	1 28	27 42	16 41	2 51	3 19	3 25		n.a.
M 9	7 49	10 2	3 30	6 25	2 6	17 41	1 7	3 3	0 7	20 33	0 49	9 33	2 10	19 46	0 6	18 57	1 28	27 43	16 41	2 49	3 18	3 24		n.a.
T 10	7 26	6 38	2 38	7 8	1 46	17 20	1 9	3 20	0 6	20 31	0 49	9 30	2 10	19 46	0 6	18 57	1 28	27 43	16 41	2 48	3 17	3 22		n.a.
W11	7 3	3 0	1 38	7 51	1 27	16 59	1 10	3 38	0 5	20 28	0 49	9 27	2 10	19 46	0 6	18 57	1 28	27 44	16 41	2 47	3 15	3 20		n.a.
T 12	6 40	0n46	0 35	8 32	1 6	16 38	1 12	3 55	0 5	20 26	0 49	9 24	2 10	19 46	0 6	18 57	1 29	27 44	16 41	2 46	3 14	3 18		n.a.
F 13	6 17	4 29	0s30	9 9	0 46	16 16	1 14	4 13	0 4	20 23	0 50	9 22	2 10	19 46	0 6	18 57	1 29	27 44	16 41	2 46	3 13	3 16		n.a.
S 14	5 53	8 4	1 35	9 43	0 26	15 53	1 15	4 30	0 3	20 21	0 50	9 19	2 10	19 46	0 6	18 57	1 29	27 45	16 40	2 47	3 11	3 14		n.a.
S 15	5 30	11 20	2 35	10 12	0 6	15 31	1 17	4 48	0 3	20 18	0 50	9 16	2 10	19 46	0 6	18 57	1 29	27 45	16 40	2 47	3 10	3 12		n.a.
M16	5 7	14 10	3 30	10 37	0n12	15 7	1 18	5 5	0 2	20 15	0 50	9 13	2 10	19 46	0 6	18 57	1 29	27 45	16 40	2 48	3 9	3 11		n.a.
T 17	4 43	16 25	4 16	10 56	0 29	14 43	1 19	5 23	0 1	20 13	0 50	9 11	2 10	19 46	0 6	18 57	1 29	27 46	16 40	2 48	3 8	3 9		n.a.
W18	4 19	17 54	4 51	11 10	0 45	14 19	1 21	5 40	0 0	20 10	0 50	9 8	2 11	19 45	0 6	18 57	1 29	27 46	16 40	2 49	3 6	3 7		n.a.
T 19	3 56	18 30	5 12	11 19	0 59	13 54	1 22	5 58	0s 0	20 8	0 51	9 5	2 11	19 45	0 6	18 56	1 29	27 46	16 40	2 49	3 5	3 5		n.a.
F 20	3 32	18 5	5 16	11 22	1 12	13 29	1 23	6 15	0 1	20 5	0 51	9 2	2 11	19 45	0 6	18 56	1 29	27 46	16 40	2 48	3 4	3 3		n.a.
S 21	3 8	16 34	5 3	11 20	1 24	13 4	1 24	6 32	0 2	20 3	0 51	9 0	2 11	19 45	0 6	18 56	1 29	27 47	16 40	2 48	3 3	3 1		n.a.
S 22	2 44	13 59	4 30	11 14	1 33	12 38	1 25	6 50	0 2	20 0	0 51	8 57	2 11	19 45	0 6	18 56	1 29	27 47	16 39	2 47	3 1	2 59		n.a.
M23	2 20	10 26	3 38	11 3	1 42	12 12	1 26	7 7	0 3	19 58	0 51	8 54	2 11	19 45	0 6	18 56	1 29	27 47	16 39	2 46	3 0	2 58		n.a.
T 24	1 56	6 8	2 31	10 48	1 49	11 45	1 27	7 24	0 4	19 56	0 51	8 52	2 11	19 45	0 6	18 56	1 29	27 47	16 39	2 46	2 59	2 56		n.a.
W25	1 32	1 24	1 12	10 29	1 54	11 19	1 28	7 41	0 4	19 53	0 52	8 49	2 11	19 44	0 6	18 56	1 29	27 48	16 39	2 46	2 57	2 54		n.a.
T 26	1 7	3s25	0n12	10 6	1 59	10 51	1 29	7 59	0 5	19 51	0 52	8 46	2 11	19 44	0 6	18 55	1 29	27 48	16 39	2 46	2 56	2 52		n.a.
F 27	0 43	7 57	1 34	9 41	2 2	10 24	1 29	8 16	0 6	19 48	0 52	8 44	2 11	19 44	0 6	18 55	1 29	27 48	16 39	2 46	2 55	2 50		n.a.
S 28	0 19	11 55	2 48	9 12	2 4	9 56	1 30	8 33	0 6	19 46	0 52	8 41	2 11	19 44	0 6	18 55	1 29	27 48	16 38	2 46	2 54	2 48		n.a.
S 29	0s 5	15 2	3 49	8 41	2 5	9 28	1 30	8 50	0 7	19 44	0 52	8 38	2 11	19 44	0 6	18 55	1 29	27 49	16 38	2 46	2 52	2 46		n.a.
M30	0s29	17s11	4n35	8n 8	2n 6	9n 0	1n31	9s 7	0s 8	19n41	0n53	8n36	2n11	19n43	0s 6	18n55	1s29	27s49	16s38	2s46	2s51	2s44		n.a.

Julian Day Number = 1573374.5, Delta T = 04h16m11s
Ecliptic obliquity = 23°44'31, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'11, Lahiri = - 9°33'11 Julian Calendar 1 Sept. 406 BCE == Greg. Calendar 27 Aug. 406 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

OCTOBER 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 15 47	2♎13'08	20♐ 7	15♍53	12♍ 5	23♎35	6♌50	13♍36	27°R21	29°R48	27°R58	6♎54	7♎ 3	19♓43	n.a.	T 1
W 2	0 19 43	3°13'23	3♑ 5	17°23	13°20	24°19	7° 0	13°43	27♉20	29♉47	27♒57	6°R55	7° 0	19°50	n.a.	W 2
T 3	0 23 40	4°13'39	15°42	18°55	14°35	25° 3	7°10	13°50	27°19	29°46	27°56	6°55	6°56	19°57	n.a.	T 3
F 4	0 27 36	5°13'57	28° 2	20°29	15°50	25°47	7°20	13°57	27°17	29°45	27°55	6°54	6°53	20° 3	n.a.	F 4
S 5	0 31 33	6°14'17	10♒ 8	22° 3	17° 5	26°30	7°29	14° 4	27°16	29°44	27°54	6°54	6°50	20°10	n.a.	S 5
S 6	0 35 29	7°14'38	22° 4	23°38	18°20	27°14	7°38	14°10	27°15	29°44	27°53	6°D54	6°47	20°16	n.a.	S 6
M 7	0 39 26	8°15'00	3♓55	25°14	19°36	27°58	7°48	14°17	27°13	29°43	27°52	6°54	6°44	20°23	n.a.	M 7
T 8	0 43 22	9°15'25	15°43	26°50	20°51	28°42	7°57	14°24	27°12	29°42	27°51	6°55	6°40	20°30	n.a.	T 8
W 9	0 47 19	10°15'51	27°31	28°27	22° 6	29°26	8° 6	14°31	27°10	29°41	27°51	6°55	6°37	20°36	n.a.	W 9
T 10	0 51 15	11°16'18	9♈22	0♎ 4	23°21	0♏11	8°15	14°38	27° 9	29°40	27°50	6°R55	6°34	20°43	n.a.	T 10
F 11	0 55 12	12°16'47	21°18	1°41	24°36	0°55	8°24	14°44	27° 7	29°39	27°49	6°55	6°31	20°50	n.a.	F 11
S 12	0 59 9	13°17'18	3♉20	3°18	25°52	1°39	8°32	14°51	27° 6	29°38	27°48	6°54	6°28	20°56	n.a.	S 12
S 13	1 3 5	14°17'51	15°32	4°55	27° 7	2°23	8°41	14°58	27° 4	29°37	27°47	6°53	6°25	21° 3	n.a.	S 13
M14	1 7 2	15°18'26	27°53	6°32	28°22	3° 8	8°49	15° 4	27° 2	29°36	27°47	6°52	6°21	21°10	n.a.	M14
T 15	1 10 58	16°19'03	10♊28	8° 8	29°38	3°52	8°58	15°11	27° 1	29°34	27°46	6°51	6°18	21°16	n.a.	T 15
W16	1 14 55	17°19'41	23°17	9°45	0♎53	4°37	9° 6	15°17	26°59	29°33	27°45	6°50	6°15	21°23	n.a.	W16
T 17	1 18 51	18°20'21	6♋23	11°22	2° 8	5°21	9°14	15°24	26°57	29°32	27°44	6°49	6°12	21°30	n.a.	T 17
F 18	1 22 48	19°21'03	19°49	12°58	3°24	6° 6	9°22	15°30	26°55	29°31	27°44	6°D49	6° 9	21°36	n.a.	F 18
S 19	1 26 44	20°21'47	3♌36	14°34	4°39	6°50	9°30	15°37	26°53	29°30	27°43	6°49	6° 6	21°43	n.a.	S 19
S 20	1 30 41	21°22'32	17°44	16°10	5°55	7°35	9°37	15°43	26°51	29°28	27°43	6°50	6° 2	21°50	n.a.	S 20
M21	1 34 38	22°23'20	2♍12	17°46	7°10	8°20	9°45	15°49	26°49	29°27	27°42	6°51	5°59	21°56	n.a.	M21
T 22	1 38 34	23°24'09	16°57	19°22	8°26	9° 5	9°52	15°56	26°47	29°26	27°41	6°52	5°56	22° 3	n.a.	T 22
W23	1 42 31	24°24'59	1♎54	20°57	9°41	9°50	10° 0	16° 2	26°45	29°25	27°41	6°R53	5°53	22°10	n.a.	W23
T 24	1 46 27	25°25'51	16°54	22°32	10°57	10°35	10° 7	16° 8	26°43	29°23	27°40	6°53	5°50	22°16	n.a.	T 24
F 25	1 50 24	26°26'44	1♏51	24° 8	12°12	11°20	10°14	16°14	26°41	29°22	27°40	6°51	5°46	22°23	n.a.	F 25
S 26	1 54 20	27°27'39	16°34	25°42	13°28	12° 5	10°20	16°20	26°39	29°21	27°39	6°49	5°43	22°29	n.a.	S 26
S 27	1 58 17	28°28'35	0♐58	27°17	14°43	12°50	10°27	16°26	26°37	29°19	27°39	6°46	5°40	22°36	n.a.	S 27
M28	2 2 13	29°29'32	14°56	28°52	15°59	13°35	10°34	16°32	26°35	29°18	27°38	6°43	5°37	22°43	n.a.	M28
T 29	2 6 10	0♏30'30	28°28	0♏26	17°14	14°20	10°40	16°38	26°32	29°16	27°38	6°40	5°34	22°49	n.a.	T 29
W30	2 10 7	1°31'29	11♑34	2° 1	18°30	15° 5	10°46	16°44	26°30	29°15	27°37	6°37	5°31	22°56	n.a.	W30
T 31	2 14 3	2♏32'29	24♑15	3♏35	19♎45	15♏51	10♌52	16♍50	26♉28	29♉13	27♒37	6♎36	5♎27	23♓ 3	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	0s54	18s18	5n 5	7n33	2n 5	8n31	1n31	9s24	0s 8	19n39	0n53	8n33	2n12	19n43	0s 6	18n55	1s29	27s49	16s38	2s47	2s50	2s43			n.a.
W 2	1 18	18 25	5 17	6 57	2 4	8 2	1 31	9 41	0 9	19 37	0 53	8 30	2 12	19 43	0 6	18 54	1 29	27 49	16 38	2 47	2 49	2 41			n.a.
T 3	1 42	17 36	5 14	6 18	2 2	7 33	1 32	9 58	0 10	19 34	0 53	8 28	2 12	19 43	0 6	18 54	1 29	27 49	16 37	2 47	2 47	2 39			n.a.
F 4	2 6	15 58	4 57	5 39	2 0	7 4	1 32	10 15	0 10	19 32	0 53	8 25	2 12	19 42	0 6	18 54	1 29	27 49	16 37	2 46	2 46	2 37			n.a.
S 5	2 30	13 39	4 26	4 58	1 57	6 34	1 32	10 31	0 11	19 30	0 54	8 22	2 12	19 42	0 6	18 54	1 29	27 50	16 37	2 46	2 45	2 35			n.a.
S 6	2 55	10 47	3 45	4 17	1 53	6 4	1 32	10 48	0 12	19 27	0 54	8 20	2 12	19 42	0 6	18 54	1 29	27 50	16 37	2 46	2 43	2 33			n.a.
M 7	3 19	7 30	2 54	3 35	1 49	5 35	1 32	11 5	0 12	19 25	0 54	8 17	2 12	19 41	0 6	18 53	1 29	27 50	16 37	2 46	2 42	2 31			n.a.
T 8	3 43	3 56	1 55	2 52	1 45	5 4	1 32	11 21	0 13	19 23	0 54	8 15	2 12	19 41	0 6	18 53	1 29	27 50	16 36	2 47	2 41	2 30			n.a.
W 9	4 7	0 12	0 52	2 9	1 40	4 34	1 31	11 38	0 14	19 21	0 54	8 12	2 12	19 41	0 6	18 53	1 30	27 50	16 36	2 47	2 40	2 28			n.a.
T 10	4 31	3n33	0s14	1 26	1 35	4 4	1 31	11 54	0 14	19 19	0 55	8 10	2 13	19 40	0 6	18 53	1 30	27 50	16 36	2 47	2 38	2 26			n.a.
F 11	4 55	7 11	1 19	0 42	1 30	3 33	1 31	12 10	0 15	19 17	0 55	8 7	2 13	19 40	0 6	18 52	1 30	27 50	16 36	2 47	2 37	2 24			n.a.
S 12	5 19	10 34	2 22	0s 2	1 24	3 3	1 30	12 26	0 16	19 15	0 55	8 5	2 13	19 40	0 6	18 52	1 30	27 50	16 35	2 46	2 36	2 22			n.a.
S 13	5 42	13 32	3 19	0 47	1 19	2 32	1 30	12 42	0 16	19 12	0 55	8 2	2 13	19 39	0 6	18 52	1 30	27 50	16 35	2 46	2 35	2 20			n.a.
M14	6 6	15 56	4 7	1 31	1 13	2 1	1 29	12 59	0 17	19 10	0 56	8 0	2 13	19 39	0 6	18 52	1 30	27 50	16 35	2 46	2 33	2 18			n.a.
T 15	6 30	17 36	4 44	2 15	1 7	1 30	1 29	13 14	0 18	19 8	0 56	7 57	2 13	19 38	0 6	18 51	1 30	27 50	16 35	2 45	2 32	2 17			n.a.
W16	6 53	18 26	5 9	2 59	1 0	0 59	1 28	13 30	0 18	19 6	0 56	7 55	2 13	19 38	0 6	18 51	1 30	27 50	16 34	2 45	2 31	2 15			n.a.
T 17	7 17	18 18	5 17	3 43	0 54	0 28	1 27	13 46	0 19	19 4	0 56	7 52	2 13	19 38	0 6	18 51	1 30	27 50	16 34	2 44	2 29	2 13			n.a.
F 18	7 40	17 9	5 9	4 27	0 48	0s 3	1 27	14 2	0 19	19 3	0 56	7 50	2 14	19 37	0 6	18 50	1 30	27 50	16 34	2 44	2 28	2 11			n.a.
S 19	8 3	15 0	4 43	5 11	0 41	0 34	1 26	14 17	0 20	19 1	0 57	7 48	2 14	19 37	0 6	18 50	1 30	27 50	16 33	2 44	2 27	2 9			n.a.
S 20	8 26	11 54	4 0	5 54	0 35	1 5	1 25	14 33	0 21	18 59	0 57	7 45	2 14	19 36	0 6	18 50	1 30	27 50	16 33	2 45	2 26	2 7			n.a.
M21	8 49	8 1	3 1	6 37	0 28	1 36	1 24	14 48	0 21	18 57	0 57	7 43	2 14	19 36	0 6	18 50	1 30	27 50	16 33	2 45	2 24	2 5			n.a.
T 22	9 12	3 33	1 48	7 20	0 22	2 7	1 23	15 3	0 22	18 55	0 57	7 41	2 14	19 35	0 6	18 49	1 30	27 50	16 33	2 46	2 23	2 3			n.a.
W23	9 35	1s11	0 28	8 3	0 15	2 38	1 22	15 18	0 23	18 53	0 58	7 38	2 14	19 35	0 6	18 49	1 30	27 50	16 32	2 46	2 22	2 2			n.a.
T 24	9 57	5 53	0n55	8 45	0 8	3 9	1 21	15 33	0 23	18 52	0 58	7 36	2 15	19 34	0 6	18 49	1 30	27 50	16 32	2 46	2 21	2 0			n.a.
F 25	10 20	10 10	2 14	9 27	0 2	3 40	1 19	15 48	0 24	18 50	0 58	7 34	2 15	19 34	0 6	18 48	1 30	27 50	16 32	2 45	2 19	1 58			n.a.
S 26	10 42	13 46	3 22	10 8	0s 5	4 11	1 18	16 2	0 24	18 48	0 58	7 31	2 15	19 33	0 6	18 48	1 30	27 50	16 31	2 44	2 18	1 56			n.a.
S 27	11 4	16 26	4 16	10 49	0 11	4 42	1 17	16 17	0 25	18 47	0 59	7 29	2 15	19 33	0 6	18 48	1 30	27 50	16 31	2 43	2 17	1 54			n.a.
M28	11 26	18 2	4 53	11 29	0 18	5 12	1 15	16 31	0 26	18 45	0 59	7 27	2 15	19 32	0 6	18 47	1 30	27 50	16 31	2 42	2 15	1 52			n.a.
T 29	11 48	18 32	5 12	12 9	0 24	5 43	1 14	16 46	0 26	18 44	0 59	7 25	2 15	19 32	0 6	18 47	1 30	27 49	16 30	2 41	2 14	1 50			n.a.
W30	12 9	18 1	5 14	12 48	0 31	6 14	1 12	17 0	0 27	18 42	0 59	7 23	2 16	19 31	0 6	18 47	1 30	27 49	16 30	2 40	2 13	1 49			n.a.
T 31	12s30	16s36	5n 0	13s27	0s37	6s44	1n11	17s14	0s28	18n41	1n 0	7n21	2n16	19n31	0s 6	18n46	1s30	27s49	16s30	2s39	2s12	1s47			n.a.

Julian Day Number = 1573404.5, Delta T = 04h16m10s
Ecliptic obliquity = 23°44'31, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'07, Lahiri = - 9°33'07 Julian Calendar 1 Oct. 406 BCE == Greg. Calendar 26 Sept. 406 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

NOVEMBER 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 18 0	3♏33'29	6♒36	5♏10	21♎ 1	16♏36	10♌58	16♍55	26°R26	29°R12	27°R36	6°D35	5♎24	23♓ 9	n.a.	F 1
S 2	2 21 56	4°34'30	18°41	6°44	22°17	17°21	11° 4	17° 1	26♉23	29♉10	27♒36	6♎36	5°21	23°16	n.a.	S 2
S 3	2 25 53	5°35'32	0♓35	8°18	23°32	18° 7	11°10	17° 7	26°21	29° 9	27°36	6°38	5°18	23°23	n.a.	S 3
M 4	2 29 49	6°36'35	12°23	9°52	24°48	18°52	11°15	17°12	26°19	29° 7	27°35	6°40	5°15	23°29	n.a.	M 4
T 5	2 33 46	7°37'39	24°11	11°26	26° 3	19°38	11°21	17°18	26°16	29° 6	27°35	6°41	5°11	23°36	n.a.	T 5
W 6	2 37 42	8°38'43	6♈ 0	13° 1	27°19	20°23	11°26	17°23	26°14	29° 4	27°35	6°R42	5° 8	23°43	n.a.	W 6
T 7	2 41 39	9°39'48	17°57	14°35	28°34	21° 9	11°31	17°28	26°11	29° 3	27°35	6°41	5° 5	23°49	n.a.	T 7
F 8	2 45 36	10°40'54	0♉ 1	16° 9	29°50	21°55	11°35	17°34	26° 9	29° 1	27°34	6°39	5° 2	23°56	n.a.	F 8
S 9	2 49 32	11°42'00	12°17	17°43	1♏ 6	22°40	11°40	17°39	26° 7	28°59	27°34	6°35	4°59	24° 3	n.a.	S 9
S 10	2 53 29	12°43'07	24°45	19°18	2°21	23°26	11°45	17°44	26° 4	28°58	27°34	6°29	4°56	24° 9	n.a.	S 10
M11	2 57 25	13°44'16	7♊25	20°52	3°37	24°12	11°49	17°49	26° 2	28°56	27°34	6°23	4°52	24°16	n.a.	M11
T 12	3 1 22	14°45'25	20°18	22°26	4°52	24°58	11°53	17°54	25°59	28°55	27°34	6°16	4°49	24°22	n.a.	T 12
W13	3 5 18	15°46'35	3♋23	24° 1	6° 8	25°44	11°57	17°59	25°57	28°53	27°34	6° 9	4°46	24°29	n.a.	W13
T 14	3 9 15	16°47'45	16°41	25°36	7°23	26°30	12° 1	18° 4	25°54	28°51	27°33	6° 4	4°43	24°36	n.a.	T 14
F 15	3 13 11	17°48'57	0♌12	27°10	8°39	27°16	12° 4	18° 9	25°52	28°50	27°33	6° 0	4°40	24°42	n.a.	F 15
S 16	3 17 8	18°50'09	13°56	28°45	9°55	28° 2	12° 8	18°13	25°49	28°48	27°33	5°D59	4°37	24°49	n.a.	S 16
S 17	3 21 5	19°51'22	27°52	0♐19	11°10	28°48	12°11	18°18	25°46	28°46	27°D33	5°59	4°33	24°56	n.a.	S 17
M18	3 25 1	20°52'36	12♍ 2	1°54	12°26	29°34	12°14	18°23	25°44	28°45	27°33	6° 0	4°30	25° 2	n.a.	M18
T 19	3 28 58	21°53'51	26°23	3°29	13°41	0♐20	12°17	18°27	25°41	28°43	27°33	6° 1	4°27	25° 9	n.a.	T 19
W20	3 32 54	22°55'06	10♎54	5° 3	14°57	1° 6	12°20	18°32	25°39	28°41	27°33	6°R 2	4°24	25°16	n.a.	W20
T 21	3 36 51	23°56'22	25°30	6°38	16°13	1°52	12°22	18°36	25°36	28°39	27°33	6° 0	4°21	25°22	n.a.	T 21
F 22	3 40 47	24°57'38	10♏ 5	8°12	17°28	2°39	12°25	18°40	25°34	28°38	27°34	5°56	4°17	25°29	n.a.	F 22
S 23	3 44 44	25°58'55	24°34	9°46	18°44	3°25	12°27	18°44	25°31	28°36	27°34	5°50	4°14	25°36	n.a.	S 23
S 24	3 48 40	27° 0'12	8♐49	11°19	19°59	4°11	12°29	18°48	25°28	28°34	27°34	5°41	4°11	25°42	n.a.	S 24
M25	3 52 37	28° 1'29	22°45	12°53	21°15	4°58	12°30	18°52	25°26	28°33	27°34	5°32	4° 8	25°49	n.a.	M25
T 26	3 56 34	29° 2'46	6♑18	14°25	22°30	5°44	12°32	18°56	25°23	28°31	27°34	5°23	4° 5	25°56	n.a.	T 26
W27	4 0 30	0♐ 4'03	19°27	15°57	23°46	6°31	12°33	19° 0	25°21	28°29	27°34	5°15	4° 2	26° 2	n.a.	W27
T 28	4 4 27	1° 5'20	2♒12	17°27	25° 1	7°17	12°34	19° 4	25°18	28°28	27°35	5° 8	3°58	26° 9	n.a.	T 28
F 29	4 8 23	2° 6'37	14°35	18°57	26°17	8° 4	12°35	19° 7	25°16	28°26	27°35	5° 4	3°55	26°15	n.a.	F 29
S 30	4 12 20	3♐ 7'53	26♒42	20♐25	27♏33	8♐50	12♌36	19♍11	25♉13	28♉24	27♒35	5♎ 2	3♎52	26♓22	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	12s52	14s27	4n33	14s 5	0s43	7s14	1n 9	17s27	0s28	18n39	1n 0	7n19	2n16	19n30	0s 6	18n46	1s30	27s49	16s29	2s39	2s10	1s45		n.a.
S 2	13 12	11 42	3 54	14 42	0 49	7 44	1 8	17 41	0 29	18 38	1 0	7 16	2 16	19 30	0 6	18 46	1 30	27 49	16 29	2 39	2 9	1 43		n.a.
S 3	13 33	8 31	3 6	15 19	0 55	8 14	1 6	17 55	0 29	18 37	1 0	7 14	2 16	19 29	0 6	18 45	1 30	27 49	16 29	2 40	2 8	1 41		n.a.
M 4	13 54	5 0	2 10	15 55	1 1	8 44	1 4	18 8	0 30	18 35	1 1	7 12	2 17	19 29	0 6	18 45	1 30	27 49	16 28	2 41	2 7	1 39		n.a.
T 5	14 14	1 18	1 8	16 31	1 7	9 13	1 2	18 21	0 31	18 34	1 1	7 10	2 17	19 28	0 6	18 45	1 30	27 48	16 28	2 41	2 5	1 37		n.a.
W 6	14 34	2n28	0 4	17 5	1 12	9 42	1 1	18 34	0 31	18 33	1 1	7 8	2 17	19 28	0 6	18 44	1 30	27 48	16 28	2 42	2 4	1 35		n.a.
T 7	14 53	6 11	1s 1	17 39	1 18	10 11	0 59	18 47	0 32	18 32	1 2	7 7	2 17	19 27	0 6	18 44	1 30	27 48	16 27	2 41	2 3	1 34		n.a.
F 8	15 13	9 41	2 4	18 12	1 23	10 40	0 57	19 0	0 32	18 31	1 2	7 5	2 17	19 26	0 6	18 44	1 30	27 48	16 27	2 40	2 1	1 32		n.a.
S 9	15 32	12 50	3 2	18 44	1 28	11 9	0 55	19 12	0 33	18 30	1 2	7 3	2 18	19 26	0 6	18 43	1 30	27 47	16 27	2 39	2 0	1 30		n.a.
S 10	15 51	15 26	3 52	19 16	1 33	11 37	0 53	19 24	0 33	18 29	1 2	7 1	2 18	19 25	0 6	18 43	1 30	27 47	16 26	2 36	1 59	1 28		n.a.
M11	16 10	17 21	4 32	19 46	1 38	12 5	0 51	19 37	0 34	18 28	1 3	6 59	2 18	19 25	0 6	18 43	1 30	27 47	16 26	2 34	1 58	1 26		n.a.
T 12	16 28	18 25	4 58	20 15	1 42	12 33	0 49	19 48	0 35	18 27	1 3	6 57	2 18	19 24	0 6	18 42	1 30	27 47	16 26	2 31	1 56	1 24		n.a.
W13	16 46	18 32	5 10	20 44	1 46	13 0	0 47	20 0	0 35	18 26	1 3	6 56	2 18	19 24	0 6	18 42	1 30	27 46	16 25	2 28	1 55	1 22		n.a.
T 14	17 4	17 38	5 5	21 11	1 50	13 27	0 45	20 12	0 36	18 25	1 3	6 54	2 19	19 23	0 6	18 41	1 30	27 46	16 25	2 26	1 54	1 21		n.a.
F 15	17 21	15 45	4 43	21 37	1 54	13 54	0 42	20 23	0 36	18 24	1 4	6 52	2 19	19 22	0 6	18 41	1 30	27 46	16 25	2 25	1 53	1 19		n.a.
S 16	17 39	12 57	4 5	22 2	1 57	14 20	0 40	20 34	0 37	18 24	1 4	6 51	2 19	19 22	0 6	18 41	1 30	27 45	16 24	2 24	1 51	1 17		n.a.
S 17	17 55	9 22	3 12	22 26	2 0	14 46	0 38	20 45	0 37	18 23	1 4	6 49	2 19	19 21	0 6	18 40	1 30	27 45	16 24	2 24	1 50	1 15		n.a.
M18	18 12	5 11	2 6	22 49	2 3	15 12	0 36	20 56	0 38	18 22	1 5	6 47	2 20	19 21	0 6	18 40	1 30	27 45	16 24	2 25	1 49	1 13		n.a.
T 19	18 28	0 40	0 52	23 10	2 6	15 37	0 34	21 6	0 39	18 22	1 5	6 46	2 20	19 20	0 6	18 40	1 30	27 44	16 23	2 25	1 47	1 11		n.a.
W20	18 44	3s58	0n26	23 30	2 8	16 2	0 31	21 17	0 39	18 21	1 5	6 44	2 20	19 19	0 6	18 39	1 30	27 44	16 23	2 25	1 46	1 9		n.a.
T 21	19 0	8 23	1 43	23 49	2 9	16 26	0 29	21 27	0 40	18 21	1 5	6 43	2 20	19 19	0 6	18 39	1 30	27 44	16 23	2 25	1 45	1 7		n.a.
F 22	19 15	12 17	2 53	24 6	2 10	16 50	0 27	21 36	0 40	18 21	1 6	6 41	2 21	19 18	0 6	18 38	1 30	27 43	16 22	2 23	1 44	1 6		n.a.
S 23	19 30	15 25	3 51	24 21	2 11	17 13	0 24	21 46	0 41	18 20	1 6	6 40	2 21	19 18	0 6	18 38	1 30	27 43	16 22	2 21	1 42	1 4		n.a.
S 24	19 44	17 32	4 34	24 35	2 11	17 36	0 22	21 56	0 41	18 20	1 6	6 38	2 21	19 17	0 6	18 38	1 30	27 43	16 21	2 17	1 41	1 2		n.a.
M25	19 58	18 34	4 59	24 48	2 11	17 59	0 20	22 5	0 42	18 20	1 7	6 37	2 21	19 16	0 6	18 37	1 30	27 42	16 21	2 13	1 40	1 0		n.a.
T 26	20 12	18 29	5 6	24 59	2 10	18 21	0 17	22 14	0 42	18 20	1 7	6 36	2 22	19 16	0 6	18 37	1 30	27 42	16 21	2 10	1 38	0 58		n.a.
W27	20 25	17 25	4 57	25 8	2 9	18 42	0 15	22 22	0 43	18 20	1 7	6 34	2 22	19 15	0 6	18 37	1 30	27 41	16 20	2 6	1 37	0 56		n.a.
T 28	20 38	15 29	4 33	25 15	2 7	19 3	0 13	22 31	0 43	18 19	1 7	6 33	2 22	19 14	0 6	18 36	1 30	27 41	16 20	2 4	1 36	0 54		n.a.
F 29	20 51	12 53	3 57	25 20	2 4	19 24	0 10	22 39	0 44	18 19	1 8	6 32	2 22	19 14	0 6	18 36	1 30	27 41	16 20	2 2	1 35	0 53		n.a.
S 30	21s 3	9s47	3n11	25s24	2s 1	19s44	0n 8	22s47	0s44	18n19	1n 8	6n31	2n23	19n13	0s 6	18n36	1s30	27s40	16s19	2s 2	1s33	0s51		n.a.

Julian Day Number = 1573435.5, Delta T = 04h16m09s
Ecliptic obliquity = 23°44'31, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°40'03, Lahiri = - 9°33'02 Julian Calendar 1 Nov. 406 BCE == Greg. Calendar 27 Oct. 406 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 406 BCE
geocentric

DECEMBER 406 BCE (-405) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 16 16	4♐ 9'09	8♓37	21♐51	28♏48	9♐37	12♌37	19♍14	25°R11	28°R22	27♒36	5°D 2	3♎49	26♓29	n.a.	S 1
M 2	4 20 13	5°10'25	20°26	23°15	0♐ 4	10°23	12°37	19°18	25♉ 8	28♉21	27°36	5♎ 3	3°46	26°35	n.a.	M 2
T 3	4 24 10	6°11'40	2♈13	24°37	1°19	11°10	12°37	19°21	25° 5	28°19	27°36	5°R 4	3°43	26°42	n.a.	T 3
W 4	4 28 6	7°12'55	14° 5	25°55	2°35	11°57	12°R37	19°24	25° 3	28°17	27°37	5° 3	3°39	26°49	n.a.	W 4
T 5	4 32 3	8°14'10	26° 5	27°10	3°50	12°43	12°37	19°27	25° 0	28°16	27°37	5° 1	3°36	26°55	n.a.	T 5
F 6	4 35 59	9°15'24	8♉18	28°21	5° 6	13°30	12°37	19°30	24°58	28°14	27°38	4°56	3°33	27° 2	n.a.	F 6
S 7	4 39 56	10°16'37	20°46	29°27	6°21	14°17	12°36	19°33	24°56	28°12	27°38	4°48	3°30	27° 9	n.a.	S 7
S 8	4 43 52	11°17'51	3♊31	0♋27	7°36	15° 4	12°36	19°36	24°53	28°11	27°39	4°38	3°27	27°15	n.a.	S 8
M 9	4 47 49	12°19'03	16°32	1°20	8°52	15°51	12°35	19°39	24°51	28° 9	27°39	4°26	3°23	27°22	n.a.	M 9
T 10	4 51 45	13°20'16	29°49	2° 7	10° 7	16°37	12°34	19°41	24°48	28° 7	27°40	4°14	3°20	27°29	n.a.	T 10
W11	4 55 42	14°21'28	13♋19	2°45	11°23	17°24	12°32	19°44	24°46	28° 6	27°40	4° 2	3°17	27°35	n.a.	W11
T 12	4 59 39	15°22'40	27° 0	3°14	12°38	18°11	12°31	19°46	24°44	28° 4	27°41	3°52	3°14	27°42	n.a.	T 12
F 13	5 3 35	16°23'51	10♌49	3°33	13°54	18°58	12°29	19°49	24°41	28° 3	27°41	3°45	3°11	27°49	n.a.	F 13
S 14	5 7 32	17°25'02	24°44	3°R41	15° 9	19°45	12°27	19°51	24°39	28° 1	27°42	3°41	3° 8	27°55	n.a.	S 14
S 15	5 11 28	18°26'13	8♍44	3°38	16°24	20°32	12°25	19°53	24°37	27°59	27°43	3°39	3° 4	28° 2	n.a.	S 15
M16	5 15 25	19°27'23	22°47	3°24	17°40	21°19	12°23	19°55	24°34	27°58	27°43	3°D38	3° 1	28° 8	n.a.	M16
T 17	5 19 21	20°28'33	6♎53	2°57	18°55	22° 6	12°20	19°57	24°32	27°56	27°44	3°R39	2°58	28°15	n.a.	T 17
W18	5 23 18	21°29'43	21° 2	2°20	20°11	22°53	12°18	19°59	24°30	27°55	27°45	3°38	2°55	28°22	n.a.	W18
T 19	5 27 14	22°30'52	5♏11	1°31	21°26	23°40	12°15	20° 1	24°28	27°53	27°45	3°34	2°52	28°28	n.a.	T 19
F 20	5 31 11	23°32'00	19°18	0°34	22°41	24°27	12°12	20° 2	24°25	27°52	27°46	3°28	2°48	28°35	n.a.	F 20
S 21	5 35 8	24°33'08	3♐20	29♐28	23°57	25°14	12° 8	20° 4	24°23	27°50	27°47	3°19	2°45	28°42	n.a.	S 21
S 22	5 39 4	25°34'16	17°13	28°16	25°12	26° 2	12° 5	20° 5	24°21	27°49	27°48	3° 8	2°42	28°48	n.a.	S 22
M23	5 43 1	26°35'22	0♑52	27° 1	26°27	26°49	12° 1	20° 7	24°19	27°47	27°49	2°54	2°39	28°55	n.a.	M23
T 24	5 46 57	27°36'27	14°13	25°45	27°43	27°36	11°58	20° 8	24°17	27°46	27°49	2°41	2°36	29° 2	n.a.	T 24
W25	5 50 54	28°37'32	27°15	24°29	28°58	28°23	11°54	20° 9	24°15	27°44	27°50	2°29	2°33	29° 8	n.a.	W25
T 26	5 54 50	29°38'35	9♒57	23°17	0♑13	29°10	11°50	20°10	24°13	27°43	27°51	2°19	2°29	29°15	n.a.	T 26
F 27	5 58 47	0♑39'37	22°20	22° 9	1°29	29°58	11°45	20°11	24°11	27°42	27°52	2°11	2°26	29°22	n.a.	F 27
S 28	6 2 44	1°40'37	4♓28	21° 8	2°44	0♑45	11°41	20°11	24° 9	27°40	27°53	2° 7	2°23	29°28	n.a.	S 28
S 29	6 6 40	2°41'36	16°23	20°14	3°59	1°32	11°36	20°12	24° 7	27°39	27°54	2° 4	2°20	29°35	n.a.	S 29
M30	6 10 37	3°42'34	28°12	19°28	5°14	2°19	11°31	20°13	24° 6	27°38	27°55	2° 4	2°17	29°42	n.a.	M30
T 31	6 14 33	4♑43'30	10♈ 0	18♐51	6♑30	3♑ 6	11♌26	20♍13	24♉ 4	27♉36	27♒56	2♎ 4	2♎14	29♓48	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
S 1	21 s15	6 s20	2n17	25 s26	1 s57	20 s 3	0n 6	22 s55	0 s45	18n20	1n 8	6n30	2n23	19n13	0 s 6	18n35	1 s30	27 s40	16 s19	2 s 2	1 s32	0 s49			n.a.
M 2	21 26	2 39	1 18	25 25	1 52	20 22	0 3	23 2	0 45	18 20	1 9	6 29	2 23	19 12	0 6	18 35	1 30	27 39	16 19	2 2	1 31	0 47			n.a.
T 3	21 37	1n 8	0 15	25 23	1 46	20 40	0 1	23 9	0 46	18 20	1 9	6 27	2 23	19 11	0 5	18 34	1 30	27 39	16 18	2 2	1 30	0 45			n.a.
W 4	21 47	4 53	0 s48	25 19	1 39	20 58	0 s 2	23 16	0 46	18 20	1 9	6 26	2 24	19 11	0 5	18 34	1 30	27 38	16 18	2 2	1 28	0 43			n.a.
T 5	21 57	8 29	1 50	25 14	1 31	21 15	0 4	23 23	0 47	18 21	1 10	6 25	2 24	19 10	0 5	18 34	1 30	27 38	16 18	2 1	1 27	0 41			n.a.
F 6	22 7	11 48	2 48	25 6	1 22	21 31	0 6	23 29	0 47	18 21	1 10	6 25	2 24	19 10	0 5	18 33	1 30	27 37	16 17	1 59	1 26	0 39			n.a.
S 7	22 16	14 40	3 38	24 56	1 12	21 47	0 9	23 36	0 48	18 21	1 10	6 24	2 24	19 9	0 5	18 33	1 30	27 37	16 17	1 56	1 24	0 38			n.a.
S 8	22 25	16 53	4 19	24 45	1 1	22 2	0 11	23 41	0 48	18 22	1 10	6 23	2 25	19 8	0 5	18 33	1 30	27 36	16 17	1 52	1 23	0 36			n.a.
M 9	22 33	18 17	4 48	24 33	0 49	22 17	0 13	23 47	0 49	18 22	1 11	6 22	2 25	19 8	0 5	18 32	1 30	27 36	16 16	1 47	1 22	0 34			n.a.
T 10	22 41	18 43	5 1	24 19	0 35	22 31	0 16	23 52	0 49	18 23	1 11	6 21	2 25	19 7	0 5	18 32	1 30	27 35	16 16	1 42	1 21	0 32			n.a.
W11	22 49	18 7	4 58	24 4	0 21	22 44	0 18	23 58	0 50	18 24	1 11	6 20	2 25	19 7	0 5	18 32	1 30	27 35	16 16	1 37	1 19	0 30			n.a.
T 12	22 56	16 28	4 38	23 47	0 5	22 56	0 20	24 2	0 50	18 24	1 12	6 20	2 26	19 6	0 5	18 31	1 30	27 34	16 15	1 34	1 18	0 28			n.a.
F 13	23 2	13 52	4 2	23 30	0n12	23 8	0 23	24 7	0 50	18 25	1 12	6 19	2 26	19 6	0 5	18 31	1 30	27 34	16 15	1 31	1 17	0 26			n.a.
S 14	23 8	10 27	3 11	23 12	0 29	23 19	0 25	24 11	0 51	18 26	1 12	6 18	2 26	19 5	0 5	18 31	1 30	27 33	16 15	1 29	1 15	0 25			n.a.
S 15	23 14	6 25	2 8	22 54	0 48	23 29	0 27	24 15	0 51	18 27	1 12	6 18	2 27	19 4	0 5	18 30	1 30	27 33	16 14	1 28	1 14	0 23			n.a.
M16	23 19	2 1	0 57	22 35	1 7	23 39	0 29	24 19	0 52	18 28	1 13	6 17	2 27	19 4	0 5	18 30	1 30	27 32	16 14	1 28	1 13	0 21			n.a.
T 17	23 24	2 s30	0n17	22 17	1 26	23 48	0 32	24 22	0 52	18 29	1 13	6 17	2 27	19 3	0 5	18 30	1 30	27 32	16 14	1 28	1 12	0 19			n.a.
W18	23 28	6 54	1 31	21 58	1 45	23 56	0 34	24 25	0 53	18 30	1 13	6 16	2 27	19 3	0 5	18 29	1 30	27 31	16 13	1 28	1 10	0 17			n.a.
T 19	23 32	10 55	2 39	21 40	2 4	24 4	0 36	24 28	0 53	18 31	1 14	6 16	2 28	19 2	0 5	18 29	1 30	27 30	16 13	1 26	1 9	0 15			n.a.
F 20	23 35	14 18	3 37	21 23	2 22	24 10	0 38	24 31	0 53	18 32	1 14	6 15	2 28	19 2	0 5	18 29	1 30	27 30	16 13	1 24	1 8	0 13			n.a.
S 21	23 38	16 49	4 21	21 6	2 38	24 16	0 40	24 33	0 54	18 33	1 14	6 15	2 28	19 1	0 5	18 28	1 30	27 29	16 12	1 20	1 7	0 11			n.a.
S 22	23 40	18 19	4 49	20 51	2 53	24 22	0 42	24 35	0 54	18 35	1 14	6 15	2 29	19 1	0 5	18 28	1 30	27 29	16 12	1 16	1 5	0 10			n.a.
M23	23 42	18 44	5 0	20 36	3 6	24 26	0 44	24 37	0 55	18 36	1 15	6 15	2 29	19 0	0 5	18 28	1 30	27 28	16 12	1 10	1 4	0 8			n.a.
T 24	23 43	18 5	4 54	20 24	3 17	24 30	0 46	24 38	0 55	18 37	1 15	6 14	2 29	19 0	0 5	18 27	1 29	27 28	16 11	1 5	1 3	0 6			n.a.
W25	23 44	16 30	4 33	20 13	3 25	24 33	0 48	24 39	0 55	18 39	1 15	6 14	2 29	18 59	0 5	18 27	1 29	27 27	16 11	1 0	1 1	0 4			n.a.
T 26	23 44	14 9	3 59	20 3	3 31	24 35	0 50	24 40	0 56	18 40	1 16	6 14	2 30	18 59	0 5	18 27	1 29	27 26	16 11	0 56	1 0	0 2			n.a.
F 27	23 44	11 11	3 14	19 56	3 34	24 36	0 52	24 41	0 56	18 41	1 16	6 14	2 30	18 58	0 5	18 27	1 29	27 26	16 10	0 53	0 59	0 0			n.a.
S 28	23 44	7 49	2 21	19 51	3 35	24 37	0 54	24 41	0 56	18 43	1 16	6 14	2 30	18 58	0 5	18 26	1 29	27 25	16 10	0 51	0 58	0n 2			n.a.
S 29	23 43	4 11	1 22	19 49	3 35	24 37	0 56	24 41	0 57	18 45	1 16	6 14	2 31	18 57	0 5	18 26	1 29	27 25	16 10	0 50	0 56	0 3			n.a.
M30	23 41	0 25	0 20	19 48	3 32	24 36	0 58	24 40	0 57	18 46	1 17	6 14	2 31	18 57	0 5	18 26	1 29	27 24	16 10	0 50	0 55	0 5			n.a.
T 31	23 s39	3n22	0 s42	19 s50	3n27	24 s34	0 s59	24 s40	0 s58	18n48	1n17	6n14	2n31	18n57	0 s 5	18n26	1 s29	27 s23	16 s 9	0 s50	0 s54	0n 7			n.a.

Julian Day Number = 1573465.5, Delta T = 04h16m08s
Ecliptic obliquity = 23°44'30, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'59, Lahiri = - 9°32'58 Julian Calendar 1 Dec. 406 BCE == Greg. Calendar 26 Nov. 406 BCE

The year -405 astronomical counting style corresponds to year 406 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

JANUARY 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 18 30	5♑44'25	21♈51	18°R23	7♑45	3♑54	11°R21	20♍14	24°R 2	27°R35	27♒57	2°R 3	2♎10	29♓55	n.a.	W 1
T 2	6 22 26	6°45'18	3♉53	18♐ 3	9° 0	4°41	11♌16	20°14	24♉ 0	27♉34	27°58	2♎ 1	2° 7	0♈ 1	n.a.	T 2
F 3	6 26 23	7°46'10	16°10	17°51	10°15	5°28	11°11	20°14	23°59	27°33	27°59	1°56	2° 4	0° 8	n.a.	F 3
S 4	6 30 19	8°47'01	28°45	17°D48	11°30	6°16	11° 5	20°R14	23°57	27°31	28° 0	1°48	2° 1	0°15	n.a.	S 4
S 5	6 34 16	9°47'49	11♊41	17°52	12°46	7° 3	10°59	20°14	23°55	27°30	28° 1	1°38	1°58	0°21	n.a.	S 5
M 6	6 38 13	10°48'37	24°59	18° 3	14° 1	7°50	10°54	20°14	23°54	27°29	28° 2	1°26	1°54	0°28	n.a.	M 6
T 7	6 42 9	11°49'23	8♋37	18°20	15°16	8°38	10°48	20°14	23°52	27°28	28° 3	1°13	1°51	0°35	n.a.	T 7
W 8	6 46 6	12°50'07	22°33	18°44	16°31	9°25	10°41	20°13	23°51	27°27	28° 4	1° 1	1°48	0°41	n.a.	W 8
T 9	6 50 2	13°50'50	6♌42	19°13	17°46	10°12	10°35	20°13	23°50	27°26	28° 5	0°50	1°45	0°48	n.a.	T 9
F 10	6 53 59	14°51'31	20°58	19°47	19° 1	10°59	10°29	20°12	23°48	27°25	28° 6	0°42	1°42	0°55	n.a.	F 10
S 11	6 57 55	15°52'11	5♍16	20°25	20°16	11°47	10°22	20°12	23°47	27°24	28° 8	0°37	1°39	1° 1	n.a.	S 11
S 12	7 1 52	16°52'50	19°33	21° 9	21°31	12°34	10°16	20°11	23°46	27°23	28° 9	0°35	1°35	1° 8	n.a.	S 12
M13	7 5 48	17°53'28	3♎45	21°56	22°46	13°21	10° 9	20°10	23°44	27°22	28°10	0°D35	1°32	1°15	n.a.	M13
T 14	7 9 45	18°54'04	17°51	22°46	24° 1	14° 9	10° 2	20° 9	23°43	27°21	28°11	0°R35	1°29	1°21	n.a.	T 14
W15	7 13 42	19°54'39	1♏51	23°40	25°16	14°56	9°55	20° 8	23°42	27°20	28°12	0°35	1°26	1°28	n.a.	W15
T 16	7 17 38	20°55'12	15°43	24°37	26°31	15°43	9°48	20° 7	23°41	27°19	28°14	0°32	1°23	1°35	n.a.	T 16
F 17	7 21 35	21°55'45	29°28	25°37	27°46	16°31	9°41	20° 5	23°40	27°18	28°15	0°27	1°20	1°41	n.a.	F 17
S 18	7 25 31	22°56'15	13♐ 4	26°39	29° 1	17°18	9°34	20° 4	23°39	27°17	28°16	0°19	1°16	1°48	n.a.	S 18
S 19	7 29 28	23°56'45	26°30	27°44	0♒16	18° 5	9°27	20° 2	23°38	27°16	28°17	0° 9	1°13	1°54	n.a.	S 19
M20	7 33 24	24°57'12	9♑44	28°51	1°31	18°53	9°19	20° 1	23°37	27°16	28°19	29♍58	1°10	2° 1	n.a.	M20
T 21	7 37 21	25°57'38	22°45	0♑ 0	2°46	19°40	9°12	19°59	23°36	27°15	28°20	29°46	1° 7	2° 8	n.a.	T 21
W22	7 41 17	26°58'02	5♒30	1°12	4° 1	20°27	9° 5	19°57	23°36	27°14	28°21	29°35	1° 4	2°14	n.a.	W22
T 23	7 45 14	27°58'25	18° 1	2°25	5°16	21°15	8°57	19°56	23°35	27°14	28°23	29°26	1° 0	2°21	n.a.	T 23
F 24	7 49 11	28°58'45	0♓17	3°39	6°31	22° 2	8°49	19°54	23°34	27°13	28°24	29°19	0°57	2°28	n.a.	F 24
S 25	7 53 7	29°59'03	12°21	4°56	7°46	22°49	8°42	19°52	23°34	27°12	28°25	29°15	0°54	2°34	n.a.	S 25
S 26	7 57 4	0♒59'19	24°15	6°14	9° 1	23°37	8°34	19°49	23°33	27°12	28°27	29°D13	0°51	2°41	n.a.	S 26
M27	8 1 0	1°59'33	6♈ 3	7°33	10°16	24°24	8°26	19°47	23°32	27°11	28°28	29°13	0°48	2°48	n.a.	M27
T 28	8 4 57	2°59'45	17°50	8°54	11°30	25°11	8°18	19°45	23°32	27°11	28°29	29°14	0°45	2°54	n.a.	T 28
W29	8 8 53	3°59'55	29°41	10°16	12°45	25°58	8°11	19°42	23°32	27°10	28°31	29°R15	0°41	3° 1	n.a.	W29
T 30	8 12 50	5° 0'02	11♉42	11°40	14° 0	26°46	8° 3	19°40	23°31	27°10	28°32	29°15	0°38	3° 8	n.a.	T 30
F 31	8 16 46	6♒ 0'07	23♉58	13♑ 5	15♒15	27♑33	7♌55	19♍37	23♉31	27♉ 9	28♒33	29♍13	0♎35	3♈14	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
W 1	23s37	7n 2	1s43	19s53	3n21	24s32	1s 1	24s39	0s58	18n49	1n17	6n14	2n31	18n56	0s 5	18n25	1s29	27s23	16s 9	0s50	0s52	0n 9			n.a.
T 2	23 34	10 28	2 40	19 59	3 14	24 29	1 3	24 38	0 58	18 51	1 17	6 14	2 32	18 56	0 5	18 25	1 29	27 22	16 9	0 49	0 51	0 11			n.a.
F 3	23 31	13 31	3 31	20 6	3 6	24 25	1 4	24 36	0 59	18 53	1 18	6 14	2 32	18 55	0 5	18 25	1 29	27 22	16 9	0 47	0 50	0 13			n.a.
S 4	23 27	16 1	4 13	20 14	2 57	24 20	1 6	24 34	0 59	18 55	1 18	6 15	2 32	18 55	0 5	18 25	1 29	27 21	16 8	0 43	0 49	0 15			n.a.
S 5	23 22	17 48	4 43	20 24	2 47	24 14	1 7	24 32	0 59	18 57	1 18	6 15	2 33	18 54	0 5	18 24	1 29	27 20	16 8	0 39	0 47	0 17			n.a.
M 6	23 18	18 40	4 59	20 35	2 37	24 8	1 9	24 30	0 59	18 58	1 18	6 15	2 33	18 54	0 5	18 24	1 29	27 20	16 8	0 34	0 46	0 18			n.a.
T 7	23 12	18 30	4 58	20 47	2 27	24 1	1 10	24 27	1 0	19 0	1 19	6 16	2 33	18 54	0 5	18 24	1 29	27 19	16 8	0 29	0 45	0 20			n.a.
W 8	23 7	17 13	4 40	20 59	2 16	23 53	1 12	24 24	1 0	19 2	1 19	6 16	2 33	18 53	0 5	18 24	1 29	27 18	16 7	0 24	0 44	0 22			n.a.
T 9	23 1	14 53	4 5	21 13	2 6	23 45	1 13	24 21	1 0	19 4	1 19	6 16	2 34	18 53	0 5	18 24	1 29	27 18	16 7	0 20	0 42	0 24			n.a.
F 10	22 54	11 38	3 14	21 26	1 55	23 36	1 14	24 17	1 1	19 6	1 19	6 17	2 34	18 53	0 5	18 23	1 29	27 17	16 7	0 17	0 41	0 26			n.a.
S 11	22 47	7 41	2 10	21 40	1 44	23 26	1 15	24 13	1 1	19 8	1 19	6 17	2 34	18 52	0 5	18 23	1 29	27 16	16 7	0 15	0 40	0 28			n.a.
S 12	22 40	3 18	0 58	21 54	1 33	23 15	1 17	24 9	1 1	19 10	1 20	6 18	2 35	18 52	0 5	18 23	1 29	27 16	16 6	0 14	0 38	0 30			n.a.
M13	22 32	1s15	0n17	22 7	1 22	23 4	1 18	24 5	1 1	19 12	1 20	6 19	2 35	18 52	0 5	18 23	1 29	27 15	16 6	0 14	0 37	0 31			n.a.
T 14	22 23	5 42	1 30	22 21	1 12	22 52	1 19	24 0	1 2	19 14	1 20	6 19	2 35	18 52	0 5	18 23	1 29	27 14	16 6	0 14	0 36	0 33			n.a.
W15	22 15	9 48	2 38	22 34	1 1	22 39	1 20	23 55	1 2	19 16	1 20	6 20	2 35	18 51	0 5	18 23	1 29	27 14	16 6	0 14	0 35	0 35			n.a.
T 16	22 5	13 19	3 36	22 47	0 51	22 26	1 21	23 50	1 2	19 18	1 20	6 21	2 36	18 51	0 5	18 22	1 28	27 13	16 5	0 13	0 33	0 37			n.a.
F 17	21 56	16 3	4 20	22 59	0 41	22 12	1 21	23 44	1 2	19 20	1 21	6 21	2 36	18 51	0 5	18 22	1 28	27 13	16 5	0 11	0 32	0 39			n.a.
S 18	21 46	17 52	4 49	23 11	0 31	21 57	1 22	23 38	1 3	19 23	1 21	6 22	2 36	18 51	0 5	18 22	1 28	27 12	16 5	0 8	0 31	0 41			n.a.
S 19	21 35	18 40	5 2	23 22	0 21	21 42	1 23	23 32	1 3	19 25	1 21	6 23	2 36	18 50	0 5	18 22	1 28	27 11	16 5	0 4	0 29	0 43			n.a.
M20	21 25	18 25	4 59	23 33	0 11	21 26	1 24	23 26	1 3	19 27	1 21	6 24	2 37	18 50	0 5	18 22	1 28	27 11	16 5	0n 1	0 28	0 45			n.a.
T 21	21 13	17 12	4 39	23 42	0 2	21 9	1 24	23 19	1 3	19 29	1 21	6 25	2 37	18 50	0 5	18 22	1 28	27 10	16 5	0 6	0 27	0 46			n.a.
W22	21 2	15 9	4 6	23 51	0s 7	20 52	1 25	23 12	1 3	19 31	1 21	6 26	2 37	18 50	0 5	18 22	1 28	27 9	16 4	0 10	0 26	0 48			n.a.
T 23	20 50	12 26	3 22	23 59	0 16	20 34	1 25	23 5	1 4	19 33	1 22	6 27	2 38	18 50	0 5	18 21	1 28	27 9	16 4	0 14	0 24	0 50			n.a.
F 24	20 37	9 12	2 28	24 5	0 24	20 16	1 26	22 58	1 4	19 36	1 22	6 28	2 38	18 49	0 5	18 21	1 28	27 8	16 4	0 17	0 23	0 52			n.a.
S 25	20 25	5 38	1 29	24 11	0 32	19 57	1 26	22 50	1 4	19 38	1 22	6 29	2 38	18 49	0 5	18 21	1 28	27 7	16 4	0 18	0 22	0 54			n.a.
S 26	20 11	1 54	0 27	24 16	0 40	19 37	1 26	22 42	1 4	19 40	1 22	6 30	2 38	18 49	0 5	18 21	1 28	27 7	16 4	0 19	0 21	0 56			n.a.
M27	19 58	1n52	0s37	24 19	0 48	19 17	1 27	22 34	1 4	19 42	1 22	6 31	2 39	18 49	0 5	18 21	1 28	27 6	16 4	0 19	0 19	0 58			n.a.
T 28	19 44	5 34	1 38	24 21	0 55	18 56	1 27	22 25	1 5	19 44	1 22	6 32	2 39	18 49	0 5	18 21	1 28	27 5	16 3	0 18	0 18	0 59			n.a.
W29	19 30	9 4	2 36	24 22	1 2	18 35	1 27	22 17	1 5	19 47	1 22	6 33	2 39	18 49	0 5	18 21	1 28	27 5	16 3	0 18	0 17	1 1			n.a.
T 30	19 15	12 14	3 28	24 22	1 9	18 13	1 27	22 8	1 5	19 49	1 22	6 35	2 39	18 49	0 5	18 21	1 28	27 4	16 3	0 18	0 15	1 3			n.a.
F 31	19s 1	14n56	4s12	24s20	1s15	17s51	1s27	21s59	1s 5	19n51	1n23	6n36	2n39	18n49	0s 5	18n21	1s28	27s 4	16s 3	0n19	0s14	1n 5			n.a.

Julian Day Number = 1573496.5, Delta T = 04h16m07s
Ecliptic obliquity = 23°44'30, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'55, Lahiri = - 9°32'54 Julian Calendar 1 Jan. 405 BCE == Greg. Calendar 27 Dec. 406 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

FEBRUARY 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 20 43	7♒ 0'10	6♊33	14♉31	16♒29	28♉20	7°R47	19°R35	23°R31	27°R 9	28♒35	29°R 9	0♎32	3♈21	n.a.	S 1
S 2	8 24 39	8° 0'11	19°32	15°59	17°44	29° 7	7♌39	19♍32	23♉30	27♉ 9	28°36	29♍ 3	0°29	3°27	n.a.	S 2
M 3	8 28 36	9° 0'10	2♋56	17°27	18°59	29°54	7°32	19°29	23°30	27° 8	28°38	28°56	0°26	3°34	n.a.	M 3
T 4	8 32 33	10° 0'06	16°45	18°57	20°13	0♒42	7°24	19°26	23°30	27° 8	28°39	28°47	0°22	3°41	n.a.	T 4
W 5	8 36 29	11° 0'01	0♌58	20°28	21°28	1°29	7°16	19°23	23°D30	27° 8	28°41	28°39	0°19	3°47	n.a.	W 5
T 6	8 40 26	11°59'53	15°28	22° 1	22°43	2°16	7° 8	19°20	23°30	27° 8	28°42	28°32	0°16	3°54	n.a.	T 6
F 7	8 44 22	12°59'43	0♍ 9	23°34	23°57	3° 3	7° 0	19°17	23°30	27° 7	28°44	28°27	0°13	4° 1	n.a.	F 7
S 8	8 48 19	13°59'31	14°54	25° 9	25°12	3°50	6°53	19°13	23°30	27° 7	28°45	28°25	0°10	4° 7	n.a.	S 8
S 9	8 52 15	14°59'17	29°36	26°45	26°26	4°37	6°45	19°10	23°30	27° 7	28°46	28°D24	0° 6	4°14	n.a.	S 9
M10	8 56 12	15°59'01	14♎ 9	28°22	27°41	5°24	6°37	19° 7	23°31	27° 7	28°48	28°25	0° 3	4°21	n.a.	M10
T 11	9 0 8	16°58'43	28°30	0♒ 0	28°55	6°11	6°29	19° 3	23°31	27° 7	28°49	28°26	0° 0	4°27	n.a.	T 11
W12	9 4 5	17°58'24	12♏35	1°40	0♓10	6°58	6°22	19° 0	23°31	27°D 7	28°51	28°R27	29♍57	4°34	n.a.	W12
T 13	9 8 2	18°58'03	26°25	3°20	1°24	7°45	6°14	18°56	23°32	27° 7	28°52	28°27	29°54	4°41	n.a.	T 13
F 14	9 11 58	19°57'40	9♐59	5° 2	2°39	8°32	6° 7	18°53	23°32	27° 7	28°54	28°25	29°51	4°47	n.a.	F 14
S 15	9 15 55	20°57'15	23°18	6°45	3°53	9°19	5°59	18°49	23°33	27° 7	28°55	28°22	29°47	4°54	n.a.	S 15
S 16	9 19 51	21°56'49	6♑23	8°30	5° 7	10° 6	5°52	18°45	23°33	27° 7	28°57	28°17	29°44	5° 1	n.a.	S 16
M17	9 23 48	22°56'20	19°15	10°15	6°22	10°53	5°45	18°41	23°34	27° 8	28°58	28°11	29°41	5° 7	n.a.	M17
T 18	9 27 44	23°55'49	1♒54	12° 2	7°36	11°40	5°38	18°37	23°34	27° 8	29° 0	28° 4	29°38	5°14	n.a.	T 18
W19	9 31 41	24°55'17	14°20	13°50	8°50	12°27	5°31	18°33	23°35	27° 8	29° 1	27°59	29°35	5°20	n.a.	W19
T 20	9 35 37	25°54'42	26°36	15°40	10° 5	13°13	5°24	18°29	23°36	27° 8	29° 3	27°54	29°32	5°27	n.a.	T 20
F 21	9 39 34	26°54'05	8♓41	17°30	11°19	14° 0	5°17	18°25	23°37	27° 9	29° 4	27°51	29°28	5°34	n.a.	F 21
S 22	9 43 31	27°53'26	20°38	19°22	12°33	14°47	5°10	18°21	23°38	27° 9	29° 6	27°49	29°25	5°40	n.a.	S 22
S 23	9 47 27	28°52'44	2♈28	21°16	13°47	15°34	5° 3	18°17	23°38	27° 9	29° 7	27°D49	29°22	5°47	n.a.	S 23
M24	9 51 24	29°52'00	14°15	23°10	15° 1	16°20	4°57	18°13	23°39	27°10	29° 9	27°50	29°19	5°54	n.a.	M24
T 25	9 55 20	0♓51'14	26° 3	25° 6	16°16	17° 7	4°50	18° 9	23°40	27°10	29°10	27°52	29°16	6° 0	n.a.	T 25
W26	9 59 17	1°50'26	7♉54	27° 3	17°30	17°54	4°44	18° 4	23°41	27°11	29°12	27°53	29°12	6° 7	n.a.	W26
T 27	10 3 13	2°49'35	19°54	29° 2	18°44	18°40	4°38	18° 0	23°43	27°11	29°13	27°55	29° 9	6°14	n.a.	T 27
F 28	10 7 10	3°48'42	2♊ 8	1♓ 1	19°58	19°27	4°32	17°56	23°44	27°12	29°15	27°R55	29° 6	6°20	n.a.	F 28
S 29	10 11 6	4♓47'46	14♊41	3♓ 2	21♓12	20♒13	4♌26	17♍51	23♉45	27♉12	29♒16	27♍55	29♍ 3	6♈27	n.a.	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	18s45	17n 1	4s44	24s17	1s21	17s28	1s27	21s49	1s 5	19n53	1n23	6n37	2n40	18n49	0s 5	18n21	1s28	27s 3	16s 3	0n21	0s13	1n 7		n.a.
S 2	18 30	18 17	5 3	24 13	1 27	17 5	1 27	21 39	1 5	19 55	1 23	6 38	2 40	18 49	0 5	18 21	1 28	27 2	16 3	0 23	0 12	1 9		n.a.
M 3	18 14	18 36	5 7	24 7	1 33	16 41	1 27	21 29	1 5	19 57	1 23	6 40	2 40	18 49	0 5	18 21	1 28	27 2	16 3	0 26	0 10	1 11		n.a.
T 4	17 58	17 50	4 53	24 0	1 38	16 17	1 26	21 19	1 6	19 59	1 23	6 41	2 40	18 49	0 5	18 21	1 27	27 1	16 3	0 29	0 9	1 12		n.a.
W 5	17 41	15 58	4 21	23 51	1 42	15 53	1 26	21 9	1 6	20 2	1 23	6 43	2 41	18 49	0 5	18 21	1 27	27 0	16 2	0 33	0 8	1 14		n.a.
T 6	17 25	13 3	3 31	23 40	1 47	15 28	1 25	20 58	1 6	20 4	1 23	6 44	2 41	18 49	0 5	18 21	1 27	27 0	16 2	0 35	0 6	1 16		n.a.
F 7	17 8	9 16	2 27	23 28	1 51	15 2	1 25	20 47	1 6	20 6	1 23	6 45	2 41	18 49	0 5	18 21	1 27	26 59	16 2	0 37	0 5	1 18		n.a.
S 8	16 50	4 54	1 13	23 15	1 54	14 37	1 24	20 36	1 6	20 8	1 23	6 47	2 41	18 49	0 5	18 21	1 27	26 59	16 2	0 38	0 4	1 20		n.a.
S 9	16 33	0 16	0n 7	22 59	1 57	14 10	1 24	20 25	1 6	20 10	1 23	6 48	2 41	18 49	0 5	18 21	1 27	26 58	16 2	0 39	0 3	1 22		n.a.
M10	16 15	4s21	1 25	22 43	2 0	13 44	1 23	20 13	1 6	20 12	1 23	6 50	2 42	18 49	0 5	18 21	1 27	26 57	16 2	0 38	0 1	1 24		n.a.
T 11	15 57	8 39	2 36	22 24	2 3	13 17	1 22	20 2	1 6	20 14	1 23	6 52	2 42	18 49	0 5	18 21	1 27	26 57	16 2	0 38	0 0	1 26		n.a.
W12	15 38	12 22	3 37	22 4	2 5	12 50	1 22	19 50	1 6	20 16	1 23	6 53	2 42	18 49	0 5	18 21	1 27	26 56	16 2	0 37	0n 1	1 27		n.a.
T 13	15 20	15 19	4 24	21 42	2 6	12 22	1 21	19 38	1 6	20 18	1 23	6 55	2 42	18 49	0 5	18 21	1 27	26 55	16 2	0 38	0 3	1 29		n.a.
F 14	15 1	17 22	4 55	21 18	2 7	11 54	1 20	19 25	1 6	20 20	1 23	6 56	2 42	18 49	0 5	18 21	1 27	26 55	16 2	0 38	0 4	1 31		n.a.
S 15	14 42	18 25	5 10	20 53	2 8	11 26	1 19	19 13	1 6	20 21	1 23	6 58	2 43	18 49	0 5	18 21	1 27	26 54	16 2	0 40	0 5	1 33		n.a.
S 16	14 22	18 27	5 8	20 26	2 8	10 57	1 18	19 0	1 6	20 23	1 23	7 0	2 43	18 49	0 5	18 21	1 27	26 54	16 2	0 42	0 6	1 35		n.a.
M17	14 3	17 33	4 51	19 57	2 8	10 29	1 17	18 47	1 6	20 25	1 23	7 1	2 43	18 50	0 4	18 21	1 27	26 53	16 2	0 44	0 8	1 37		n.a.
T 18	13 43	15 47	4 19	19 26	2 7	10 0	1 16	18 34	1 6	20 27	1 23	7 3	2 43	18 50	0 4	18 22	1 27	26 53	16 2	0 47	0 9	1 39		n.a.
W19	13 23	13 18	3 36	18 54	2 6	9 30	1 14	18 21	1 6	20 29	1 23	7 5	2 43	18 50	0 4	18 22	1 27	26 52	16 2	0 49	0 10	1 40		n.a.
T 20	13 2	10 16	2 43	18 19	2 4	9 1	1 13	18 7	1 6	20 30	1 23	7 6	2 43	18 50	0 4	18 22	1 27	26 51	16 2	0 51	0 11	1 42		n.a.
F 21	12 42	6 50	1 43	17 43	2 2	8 31	1 12	17 53	1 6	20 32	1 23	7 8	2 43	18 50	0 4	18 22	1 26	26 51	16 2	0 52	0 13	1 44		n.a.
S 22	12 21	3 9	0 39	17 5	2 0	8 1	1 10	17 40	1 6	20 34	1 23	7 10	2 44	18 51	0 4	18 22	1 26	26 50	16 2	0 53	0 14	1 46		n.a.
S 23	12 1	0n36	0s26	16 25	1 56	7 31	1 9	17 26	1 6	20 35	1 23	7 12	2 44	18 51	0 4	18 22	1 26	26 50	16 2	0 53	0 15	1 48		n.a.
M24	11 40	4 19	1 29	15 44	1 52	7 0	1 7	17 11	1 6	20 37	1 23	7 13	2 44	18 51	0 4	18 22	1 26	26 49	16 2	0 52	0 17	1 50		n.a.
T 25	11 19	7 52	2 29	15 1	1 48	6 30	1 6	16 57	1 6	20 39	1 23	7 15	2 44	18 51	0 4	18 23	1 26	26 49	16 2	0 52	0 18	1 52		n.a.
W26	10 57	11 7	3 23	14 16	1 43	5 59	1 4	16 43	1 6	20 40	1 23	7 17	2 44	18 52	0 4	18 23	1 26	26 48	16 2	0 51	0 19	1 53		n.a.
T 27	10 36	13 57	4 9	13 29	1 38	5 28	1 3	16 28	1 6	20 42	1 23	7 19	2 44	18 52	0 4	18 23	1 26	26 48	16 2	0 50	0 20	1 55		n.a.
F 28	10 14	16 12	4 44	12 41	1 32	4 57	1 1	16 13	1 6	20 43	1 23	7 21	2 44	18 52	0 4	18 23	1 26	26 47	16 2	0 50	0 22	1 57		n.a.
S 29	9s52	17n46	5s 7	11s51	1s25	4s26	0s59	15s58	1s 6	20n44	1n23	7n23	2n44	18n53	0s 4	18n23	1s26	26s46	16s 2	0n50	0n23	1n59		n.a.

Julian Day Number = 1573527.5, Delta T = 04h16m05s
Ecliptic obliquity = 23°44'30, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'50, Lahiri = - 9°32'50 Julian Calendar 1 Feb. 405 BCE == Greg. Calendar 27 Jan. 405 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

MARCH 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 15 3	5♓46'48	27♊35	5♓ 4	22♓26	21♒ 0	4°R20	17°R47	23♉46	27♉13	29♒18	27°R54	29♍ 0	6♈34	n.a.	S 1
M 2	10 18 59	6°45'47	10♋56	7° 6	23°40	21°46	4♌14	17♍43	23°48	27°13	29°19	27♍51	28°57	6°40	n.a.	M 2
T 3	10 22 56	7°44'45	24°44	9°10	24°54	22°33	4° 9	17°38	23°49	27°14	29°21	27°49	28°53	6°47	n.a.	T 3
W 4	10 26 53	8°43'39	8♌59	11°14	26° 8	23°19	4° 3	17°34	23°50	27°15	29°22	27°46	28°50	6°53	n.a.	W 4
T 5	10 30 49	9°42'32	23°36	13°18	27°22	24° 6	3°58	17°29	23°52	27°16	29°24	27°44	28°47	7° 0	n.a.	T 5
F 6	10 34 46	10°41'22	8♍31	15°23	28°35	24°52	3°53	17°25	23°53	27°16	29°25	27°42	28°44	7° 7	n.a.	F 6
S 7	10 38 42	11°40'10	23°35	17°28	29°49	25°38	3°48	17°20	23°55	27°17	29°27	27°D42	28°41	7°13	n.a.	S 7
S 8	10 42 39	12°38'56	8♎39	19°33	1♈ 3	26°25	3°43	17°16	23°56	27°18	29°28	27°42	28°37	7°20	n.a.	S 8
M 9	10 46 35	13°37'40	23°35	21°37	2°17	27°11	3°38	17°11	23°58	27°19	29°30	27°42	28°34	7°27	n.a.	M 9
T 10	10 50 32	14°36'22	8♏16	23°40	3°30	27°57	3°34	17° 7	24° 0	27°20	29°31	27°44	28°31	7°33	n.a.	T 10
W11	10 54 28	15°35'03	22°37	25°42	4°44	28°43	3°30	17° 2	24° 1	27°21	29°33	27°44	28°28	7°40	n.a.	W11
T 12	10 58 25	16°33'42	6♐35	27°43	5°58	29°29	3°25	16°57	24° 3	27°22	29°34	27°45	28°25	7°47	n.a.	T 12
F 13	11 2 21	17°32'19	20°11	29°42	7°11	0♓15	3°21	16°53	24° 5	27°23	29°36	27°R45	28°22	7°53	n.a.	F 13
S 14	11 6 18	18°30'54	3♑25	1♈39	8°25	1° 1	3°18	16°48	24° 7	27°24	29°37	27°45	28°18	8° 0	n.a.	S 14
S 15	11 10 15	19°29'27	16°19	3°33	9°38	1°47	3°14	16°44	24° 9	27°25	29°38	27°44	28°15	8° 7	n.a.	S 15
M16	11 14 11	20°27'59	28°56	5°24	10°52	2°33	3°10	16°39	24°11	27°26	29°40	27°43	28°12	8°13	n.a.	M16
T 17	11 18 8	21°26'29	11♒19	7°12	12° 5	3°19	3° 7	16°35	24°13	27°27	29°41	27°42	28° 9	8°20	n.a.	T 17
W18	11 22 4	22°24'57	23°31	8°57	13°19	4° 5	3° 4	16°30	24°15	27°28	29°43	27°42	28° 6	8°27	n.a.	W18
T 19	11 26 1	23°23'23	5♓33	10°38	14°32	4°51	3° 1	16°26	24°17	27°29	29°44	27°41	28° 3	8°33	n.a.	T 19
F 20	11 29 57	24°21'47	17°28	12°16	15°46	5°37	2°58	16°21	24°19	27°30	29°45	27°41	27°59	8°40	n.a.	F 20
S 21	11 33 54	25°20'10	29°18	13°49	16°59	6°22	2°56	16°17	24°21	27°31	29°47	27°D41	27°56	8°46	n.a.	S 21
S 22	11 37 50	26°18'30	11♈ 6	15°18	18°12	7° 8	2°53	16°12	24°24	27°33	29°48	27°41	27°53	8°53	n.a.	S 22
M23	11 41 47	27°16'48	22°53	16°43	19°26	7°54	2°51	16° 8	24°26	27°34	29°50	27°R41	27°50	9° 0	n.a.	M23
T 24	11 45 44	28°15'05	4♉43	18° 3	20°39	8°39	2°49	16° 3	24°28	27°35	29°51	27°41	27°47	9° 6	n.a.	T 24
W25	11 49 40	29°13'19	16°37	19°18	21°52	9°25	2°47	15°59	24°30	27°37	29°52	27°41	27°43	9°13	n.a.	W25
T 26	11 53 37	0♈11'31	28°40	20°29	23° 5	10°10	2°45	15°55	24°33	27°38	29°54	27°41	27°40	9°20	n.a.	T 26
F 27	11 57 33	1° 9'42	10♊56	21°35	24°18	10°56	2°44	15°50	24°35	27°39	29°55	27°40	27°37	9°26	n.a.	F 27
S 28	12 1 30	2° 7'50	23°27	22°36	25°32	11°41	2°43	15°46	24°38	27°41	29°56	27°40	27°34	9°33	n.a.	S 28
S 29	12 5 26	3° 5'56	6♋18	23°31	26°45	12°27	2°41	15°42	24°40	27°42	29°58	27°D40	27°31	9°40	n.a.	S 29
M30	12 9 23	4° 4'00	19°31	24°22	27°58	13°12	2°40	15°37	24°43	27°44	29°59	27°40	27°28	9°46	n.a.	M30
T 31	12 13 19	5♈ 2'02	3♌11	25♈ 8	29♈11	13♓57	2♌40	15♍33	24♉45	27♉45	0♓ 0	27♍41	27♍24	9♈53	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	9s30	18n28	5s16	10s59	1s18	3s55	0s57	15s43	1s 6	20n46	1n23	7n24	2n45	18n53	0s 4	18n23	1s26	26s46	16s 2	0n51	0n24	2n 1			n.a.
M 2	9 8	18 11	5 8	10 6	1 10	3 23	0 55	15 28	1 6	20 47	1 23	7 26	2 45	18 53	0 4	18 24	1 26	26 45	16 2	0 52	0 26	2 3			n.a.
T 3	8 46	16 50	4 42	9 12	1 2	2 52	0 53	15 12	1 6	20 48	1 23	7 28	2 45	18 54	0 4	18 24	1 26	26 45	16 2	0 53	0 27	2 5			n.a.
W 4	8 24	14 25	3 58	8 16	0 53	2 21	0 51	14 57	1 6	20 50	1 23	7 30	2 45	18 54	0 4	18 24	1 26	26 44	16 2	0 54	0 28	2 6			n.a.
T 5	8 2	11 2	2 58	7 19	0 44	1 49	0 49	14 41	1 6	20 51	1 23	7 32	2 45	18 54	0 4	18 24	1 26	26 44	16 2	0 55	0 29	2 8			n.a.
F 6	7 39	6 52	1 44	6 22	0 35	1 17	0 47	14 25	1 6	20 52	1 23	7 34	2 45	18 55	0 4	18 25	1 26	26 43	16 2	0 55	0 31	2 10			n.a.
S 7	7 16	2 14	0 23	5 23	0 24	0 46	0 45	14 10	1 5	20 53	1 23	7 35	2 45	18 55	0 4	18 25	1 26	26 43	16 2	0 56	0 32	2 12			n.a.
S 8	6 54	2s33	1n 0	4 24	0 14	0 14	0 43	13 54	1 5	20 54	1 22	7 37	2 45	18 56	0 4	18 25	1 26	26 43	16 2	0 56	0 33	2 14			n.a.
M 9	6 31	7 7	2 19	3 25	0 3	0n18	0 41	13 37	1 5	20 55	1 22	7 39	2 45	18 56	0 4	18 25	1 25	26 42	16 2	0 55	0 35	2 16			n.a.
T 10	6 8	11 11	3 27	2 25	0n 8	0 49	0 39	13 21	1 5	20 56	1 22	7 41	2 45	18 56	0 4	18 25	1 25	26 42	16 2	0 55	0 36	2 18			n.a.
W11	5 45	14 28	4 20	1 26	0 19	1 21	0 36	13 5	1 5	20 57	1 22	7 43	2 45	18 57	0 4	18 26	1 25	26 41	16 3	0 55	0 37	2 19			n.a.
T 12	5 22	16 49	4 56	0 27	0 31	1 53	0 34	12 48	1 5	20 58	1 22	7 45	2 45	18 57	0 4	18 26	1 25	26 41	16 3	0 54	0 38	2 21			n.a.
F 13	4 59	18 9	5 15	0n31	0 42	2 24	0 32	12 32	1 5	20 59	1 22	7 46	2 45	18 58	0 4	18 26	1 25	26 40	16 3	0 54	0 40	2 23			n.a.
S 14	4 36	18 26	5 16	1 29	0 54	2 56	0 29	12 15	1 4	21 0	1 22	7 48	2 45	18 58	0 4	18 27	1 25	26 40	16 3	0 54	0 41	2 25			n.a.
S 15	4 13	17 45	5 1	2 25	1 5	3 27	0 27	11 58	1 4	21 0	1 22	7 50	2 45	18 59	0 4	18 27	1 25	26 39	16 3	0 55	0 42	2 27			n.a.
M16	3 49	16 12	4 32	3 20	1 16	3 59	0 24	11 41	1 4	21 1	1 22	7 52	2 45	18 59	0 4	18 27	1 25	26 39	16 3	0 55	0 43	2 29			n.a.
T 17	3 26	13 55	3 50	4 14	1 27	4 30	0 22	11 24	1 4	21 2	1 22	7 54	2 45	19 0	0 4	18 27	1 25	26 39	16 3	0 55	0 45	2 30			n.a.
W18	3 3	11 2	2 59	5 5	1 38	5 1	0 19	11 7	1 4	21 2	1 21	7 56	2 45	19 0	0 4	18 28	1 25	26 38	16 3	0 56	0 46	2 32			n.a.
T 19	2 39	7 44	2 0	5 55	1 48	5 33	0 17	10 50	1 3	21 3	1 21	7 57	2 45	19 1	0 4	18 28	1 25	26 38	16 4	0 56	0 47	2 34			n.a.
F 20	2 16	4 9	0 57	6 42	1 58	6 4	0 14	10 33	1 3	21 3	1 21	7 59	2 45	19 1	0 4	18 28	1 25	26 37	16 4	0 56	0 49	2 36			n.a.
S 21	1 53	0 25	0s 9	7 28	2 7	6 34	0 12	10 16	1 3	21 4	1 21	8 1	2 45	19 2	0 4	18 29	1 25	26 37	16 4	0 56	0 50	2 38			n.a.
S 22	1 29	3n19	1 14	8 10	2 15	7 5	0 9	9 58	1 3	21 4	1 21	8 3	2 45	19 3	0 4	18 29	1 25	26 37	16 4	0 56	0 51	2 40			n.a.
M23	1 6	6 55	2 16	8 51	2 23	7 36	0 7	9 41	1 3	21 5	1 21	8 4	2 45	19 3	0 4	18 29	1 25	26 36	16 4	0 56	0 52	2 42			n.a.
T 24	0 42	10 15	3 12	9 28	2 30	8 6	0 4	9 23	1 2	21 5	1 21	8 6	2 45	19 4	0 4	18 30	1 25	26 36	16 4	0 56	0 54	2 43			n.a.
W25	0 19	13 11	4 0	10 3	2 36	8 36	0 1	9 6	1 2	21 5	1 20	8 8	2 45	19 4	0 4	18 30	1 25	26 36	16 5	0 56	0 55	2 45			n.a.
T 26	0n 5	15 36	4 38	10 36	2 42	9 6	0n 1	8 48	1 2	21 6	1 20	8 9	2 45	19 5	0 4	18 30	1 25	26 35	16 5	0 56	0 56	2 47			n.a.
F 27	0 28	17 20	5 5	11 5	2 47	9 36	0 4	8 31	1 2	21 6	1 20	8 11	2 45	19 5	0 4	18 31	1 25	26 35	16 5	0 56	0 58	2 49			n.a.
S 28	0 51	18 18	5 17	11 32	2 50	10 6	0 7	8 13	1 1	21 6	1 20	8 13	2 45	19 6	0 4	18 31	1 24	26 35	16 5	0 56	0 59	2 51			n.a.
S 29	1 15	18 21	5 14	11 55	2 53	10 35	0 10	7 55	1 1	21 6	1 20	8 14	2 45	19 7	0 4	18 32	1 24	26 34	16 5	0 56	1 0	2 53			n.a.
M30	1 38	17 26	4 55	12 16	2 55	11 4	0 12	7 37	1 1	21 6	1 20	8 16	2 45	19 7	0 4	18 32	1 24	26 34	16 6	0 56	1 1	2 55			n.a.
T 31	2n 1	15n30	4s19	12n34	2n56	11n33	0n15	7s19	1s 1	21n 6	1n20	8n17	2n45	19n 8	0s 4	18n32	1s24	26s34	16s 6	0n56	1n 3	2n56			n.a.

Julian Day Number = 1573556.5, Delta T = 04h16m04s
Ecliptic obliquity = 23°44'30, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'46, Lahiri = - 9°32'46 Julian Calendar 1 March 405 BCE == Greg. Calendar 25 Feb. 405 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

APRIL 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	12 17 16	6♈ 0'02	17♌17	25♈49	0♉23	14♓42	2°R39	15°R29	24♉48	27♉47	0♓ 1	27♍41	27♍21	10♈ 0	n.a.	W 1
T 2	12 21 12	6°58'00	1♍48	26°24	1°36	15°27	2♌39	15♍25	24°50	27°48	0° 3	27°42	27°18	10° 6	n.a.	T 2
F 3	12 25 9	7°55'56	16°40	26°54	2°49	16°13	2°39	15°21	24°53	27°50	0° 4	27°43	27°15	10°13	n.a.	F 3
S 4	12 29 6	8°53'50	1♎47	27°19	4° 2	16°58	2°D38	15°17	24°56	27°51	0° 5	27°R43	27°12	10°20	n.a.	S 4
S 5	12 33 2	9°51'43	17° 1	27°38	5°15	17°43	2°39	15°13	24°59	27°53	0° 6	27°42	27° 8	10°26	n.a.	S 5
M 6	12 36 59	10°49'34	2♏10	27°52	6°28	18°28	2°39	15° 9	25° 1	27°55	0° 7	27°41	27° 5	10°33	n.a.	M 6
T 7	12 40 55	11°47'23	17° 7	28° 1	7°40	19°12	2°39	15° 5	25° 4	27°56	0° 9	27°40	27° 2	10°39	n.a.	T 7
W 8	12 44 52	12°45'11	1♐44	28°R 5	8°53	19°57	2°40	15° 2	25° 7	27°58	0°10	27°38	26°59	10°46	n.a.	W 8
T 9	12 48 48	13°42'58	15°55	28° 4	10° 5	20°42	2°41	14°58	25°10	28° 0	0°11	27°36	26°56	10°53	n.a.	T 9
F 10	12 52 45	14°40'43	29°39	27°58	11°18	21°27	2°42	14°54	25°13	28° 1	0°12	27°35	26°53	10°59	n.a.	F 10
S 11	12 56 41	15°38'28	12♑56	27°48	12°31	22°12	2°43	14°51	25°16	28° 3	0°13	27°D34	26°49	11° 6	n.a.	S 11
S 12	13 0 38	16°36'11	25°49	27°33	13°43	22°56	2°45	14°47	25°18	28° 5	0°14	27°35	26°46	11°13	n.a.	S 12
M13	13 4 35	17°33'53	8♒21	27°14	14°55	23°41	2°46	14°44	25°21	28° 7	0°15	27°36	26°43	11°19	n.a.	M13
T 14	13 8 31	18°31'33	20°36	26°51	16° 8	24°25	2°48	14°40	25°24	28° 8	0°17	27°37	26°40	11°26	n.a.	T 14
W15	13 12 28	19°29'13	2♓39	26°25	17°20	25°10	2°50	14°37	25°27	28°10	0°18	27°39	26°37	11°33	n.a.	W15
T 16	13 16 24	20°26'51	14°33	25°56	18°32	25°54	2°52	14°33	25°31	28°12	0°19	27°40	26°34	11°39	n.a.	T 16
F 17	13 20 21	21°24'28	26°21	25°25	19°45	26°39	2°55	14°30	25°34	28°14	0°20	27°R40	26°30	11°46	n.a.	F 17
S 18	13 24 17	22°22'03	8♈ 8	24°52	20°57	27°23	2°57	14°27	25°37	28°16	0°21	27°40	26°27	11°53	n.a.	S 18
S 19	13 28 14	23°19'38	19°56	24°18	22° 9	28° 7	3° 0	14°24	25°40	28°18	0°22	27°38	26°24	11°59	n.a.	S 19
M20	13 32 10	24°17'11	1♉46	23°44	23°21	28°52	3° 2	14°21	25°43	28°19	0°23	27°35	26°21	12° 6	n.a.	M20
T 21	13 36 7	25°14'43	13°41	23°10	24°33	29°36	3° 5	14°18	25°46	28°21	0°24	27°31	26°18	12°13	n.a.	T 21
W22	13 40 4	26°12'14	25°44	22°36	25°45	0♈20	3° 9	14°15	25°49	28°23	0°25	27°27	26°14	12°19	n.a.	W22
T 23	13 44 0	27° 9'43	7♊55	22° 3	26°57	1° 4	3°12	14°13	25°53	28°25	0°26	27°22	26°11	12°26	n.a.	T 23
F 24	13 47 57	28° 7'11	20°18	21°32	28° 9	1°48	3°15	14°10	25°56	28°27	0°26	27°17	26° 8	12°33	n.a.	F 24
S 25	13 51 53	29° 4'38	2♋54	21° 4	29°21	2°32	3°19	14° 7	25°59	28°29	0°27	27°13	26° 5	12°39	n.a.	S 25
S 26	13 55 50	0♉ 2'03	15°46	20°38	0♊33	3°16	3°23	14° 5	26° 2	28°31	0°28	27°11	26° 2	12°46	n.a.	S 26
M27	13 59 46	0°59'27	28°56	20°15	1°45	4° 0	3°27	14° 3	26° 6	28°33	0°29	27°D10	25°59	12°52	n.a.	M27
T 28	14 3 43	1°56'50	12♌28	19°56	2°57	4°43	3°31	14° 0	26° 9	28°35	0°30	27°11	25°55	12°59	n.a.	T 28
W29	14 7 39	2°54'11	26°22	19°40	4° 8	5°27	3°35	13°58	26°12	28°37	0°31	27°12	25°52	13° 6	n.a.	W29
T 30	14 11 36	3♉51'31	10♍39	19♈29	5♊20	6♈11	3♌40	13♍56	26♉16	28♉39	0♓31	27♍13	25♍49	13♈12	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2n25	12n35	3s26	12n49	2n55	12n 2	0n18	7s 1	1s 0	21n 6	1n19	8n19	2n45	19n 9	0s 4	18n33	1s24	26s34	16s 6	0n56	1n 4	2n58		n.a.
T 2	2 48	8 48	2 19	13 0	2 54	12 30	0 21	6 43	1 0	21 6	1 19	8 21	2 45	19 9	0 4	18 33	1 24	26 33	16 6	0 55	1 5	3 0		n.a.
F 3	3 11	4 23	1 1	13 9	2 51	12 58	0 23	6 25	1 0	21 6	1 19	8 22	2 45	19 10	0 4	18 34	1 24	26 33	16 6	0 55	1 6	3 2		n.a.
S 4	3 34	0s23	0n23	13 15	2 48	13 26	0 26	6 7	0 59	21 6	1 19	8 24	2 45	19 11	0 4	18 34	1 24	26 33	16 7	0 55	1 8	3 4		n.a.
S 5	3 57	5 9	1 45	13 17	2 43	13 53	0 29	5 49	0 59	21 6	1 19	8 25	2 44	19 11	0 4	18 34	1 24	26 33	16 7	0 55	1 9	3 6		n.a.
M 6	4 20	9 34	3 0	13 17	2 37	14 20	0 32	5 31	0 59	21 5	1 19	8 26	2 44	19 12	0 4	18 35	1 24	26 32	16 7	0 56	1 10	3 7		n.a.
T 7	4 43	13 18	4 1	13 14	2 30	14 47	0 34	5 13	0 59	21 5	1 18	8 28	2 44	19 13	0 4	18 35	1 24	26 32	16 7	0 56	1 12	3 9		n.a.
W 8	5 6	16 7	4 45	13 7	2 21	15 13	0 37	4 55	0 58	21 5	1 18	8 29	2 44	19 13	0 4	18 36	1 24	26 32	16 8	0 57	1 13	3 11		n.a.
T 9	5 29	17 51	5 10	12 58	2 12	15 39	0 40	4 37	0 58	21 4	1 18	8 31	2 44	19 14	0 4	18 36	1 24	26 32	16 8	0 58	1 14	3 13		n.a.
F 10	5 51	18 28	5 16	12 46	2 1	16 5	0 42	4 19	0 58	21 4	1 18	8 32	2 44	19 15	0 4	18 36	1 24	26 31	16 8	0 58	1 15	3 15		n.a.
S 11	6 14	18 2	5 5	12 31	1 49	16 30	0 45	4 1	0 57	21 4	1 18	8 33	2 44	19 16	0 4	18 37	1 24	26 31	16 8	0 59	1 17	3 17		n.a.
S 12	6 36	16 41	4 39	12 14	1 37	16 55	0 48	3 42	0 57	21 3	1 18	8 35	2 44	19 16	0 4	18 37	1 24	26 31	16 9	0 59	1 18	3 19		n.a.
M13	6 59	14 33	4 0	11 54	1 23	17 19	0 50	3 24	0 56	21 3	1 17	8 36	2 43	19 17	0 4	18 38	1 24	26 31	16 9	0 58	1 19	3 20		n.a.
T 14	7 21	11 47	3 11	11 32	1 8	17 43	0 53	3 6	0 56	21 2	1 17	8 37	2 43	19 18	0 4	18 38	1 24	26 31	16 9	0 58	1 21	3 22		n.a.
W15	7 43	8 35	2 14	11 8	0 53	18 7	0 56	2 48	0 56	21 1	1 17	8 38	2 43	19 18	0 4	18 39	1 24	26 31	16 9	0 57	1 22	3 24		n.a.
T 16	8 5	5 3	1 12	10 43	0 37	18 30	0 58	2 30	0 55	21 1	1 17	8 39	2 43	19 19	0 4	18 39	1 24	26 31	16 10	0 56	1 23	3 26		n.a.
F 17	8 27	1 21	0 7	10 16	0 20	18 52	1 1	2 11	0 55	21 0	1 17	8 40	2 43	19 20	0 4	18 39	1 24	26 30	16 10	0 56	1 24	3 28		n.a.
S 18	8 49	2n23	0s57	9 48	0 3	19 14	1 3	1 53	0 55	20 59	1 17	8 42	2 43	19 21	0 4	18 40	1 24	26 30	16 10	0 56	1 26	3 30		n.a.
S 19	9 10	6 3	2 0	9 20	0s14	19 36	1 6	1 35	0 54	20 59	1 16	8 43	2 43	19 21	0 4	18 40	1 24	26 30	16 11	0 57	1 27	3 31		n.a.
M20	9 32	9 29	2 57	8 51	0 31	19 57	1 8	1 17	0 54	20 58	1 16	8 44	2 42	19 22	0 4	18 41	1 24	26 30	16 11	0 58	1 28	3 33		n.a.
T 21	9 53	12 33	3 46	8 22	0 48	20 17	1 11	0 59	0 53	20 57	1 16	8 45	2 42	19 23	0 4	18 41	1 24	26 30	16 11	1 0	1 29	3 35		n.a.
W22	10 14	15 7	4 27	7 54	1 5	20 37	1 13	0 41	0 53	20 56	1 16	8 46	2 42	19 24	0 4	18 42	1 23	26 30	16 12	1 2	1 31	3 37		n.a.
T 23	10 35	17 3	4 55	7 26	1 21	20 57	1 16	0 22	0 53	20 55	1 16	8 46	2 42	19 25	0 4	18 42	1 23	26 30	16 12	1 4	1 32	3 39		n.a.
F 24	10 56	18 13	5 11	7 0	1 37	21 16	1 18	0 4	0 52	20 54	1 16	8 47	2 42	19 25	0 4	18 43	1 23	26 30	16 12	1 6	1 33	3 41		n.a.
S 25	11 17	18 31	5 11	6 35	1 52	21 34	1 20	0n14	0 52	20 53	1 16	8 48	2 42	19 26	0 4	18 43	1 23	26 30	16 12	1 7	1 35	3 42		n.a.
S 26	11 38	17 53	4 57	6 12	2 7	21 52	1 22	0 32	0 51	20 52	1 15	8 49	2 41	19 27	0 4	18 44	1 23	26 30	16 13	1 8	1 36	3 44		n.a.
M27	11 58	16 17	4 26	5 51	2 20	22 9	1 25	0 50	0 51	20 51	1 15	8 50	2 41	19 28	0 4	18 44	1 23	26 30	16 13	1 8	1 37	3 46		n.a.
T 28	12 18	13 45	3 40	5 32	2 33	22 26	1 27	1 8	0 51	20 50	1 15	8 50	2 41	19 29	0 4	18 45	1 23	26 30	16 13	1 8	1 38	3 48		n.a.
W29	12 38	10 22	2 41	5 15	2 45	22 42	1 29	1 26	0 50	20 48	1 15	8 51	2 41	19 29	0 4	18 45	1 23	26 30	16 14	1 8	1 40	3 50		n.a.
T 30	12n58	6n17	1s29	5n 1	2s55	22n57	1n31	1n44	0s50	20n47	1n15	8n52	2n41	19n30	0s 4	18n46	1s23	26s30	16s14	1n 7	1n41	3n52		n.a.

Julian Day Number = 1573587.5, Delta T = 04h16m03s
Ecliptic obliquity = 23°44'31, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'42, Lahiri = - 9°32'42 Julian Calendar 1 Apr. 405 BCE == Greg. Calendar 27 March 405 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

MAY 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	14 15 33	4♉48'50	25♍18	19°R21	6♊32	6♈54	3♌45	13°R54	26♉19	28♉41	0♓32	27°R14	25♍46	13♈19	n.a.	F 1
S 2	14 19 29	5°46'07	10♎14	19°D18	7°43	7°38	3°49	13♍52	26°22	28°44	0°33	27♍13	25°43	13°26	n.a.	S 2
S 3	14 23 26	6°43'24	25°20	19♈20	8°55	8°21	3°54	13°50	26°26	28°46	0°34	27°11	25°39	13°32	n.a.	S 3
M 4	14 27 22	7°40'39	10♏28	19°26	10° 6	9° 5	3°59	13°48	26°29	28°48	0°34	27° 7	25°36	13°39	n.a.	M 4
T 5	14 31 19	8°37'54	25°27	19°36	11°17	9°48	4° 5	13°46	26°33	28°50	0°35	27° 1	25°33	13°46	n.a.	T 5
W 6	14 35 15	9°35'08	10♐10	19°51	12°29	10°32	4°10	13°45	26°36	28°52	0°36	26°55	25°30	13°52	n.a.	W 6
T 7	14 39 12	10°32'22	24°30	20°10	13°40	11°15	4°16	13°43	26°40	28°54	0°37	26°49	25°27	13°59	n.a.	T 7
F 8	14 43 8	11°29'35	8♑21	20°34	14°51	11°58	4°21	13°42	26°43	28°56	0°37	26°44	25°24	14° 6	n.a.	F 8
S 9	14 47 5	12°26'47	21°44	21° 3	16° 2	12°41	4°27	13°41	26°47	28°58	0°38	26°40	25°20	14°12	n.a.	S 9
S 10	14 51 2	13°24'00	4♒40	21°35	17°13	13°24	4°33	13°39	26°50	29° 1	0°38	26°38	25°17	14°19	n.a.	S 10
M11	14 54 58	14°21'11	17°13	22°12	18°24	14° 7	4°39	13°38	26°54	29° 3	0°39	26°D37	25°14	14°26	n.a.	M11
T 12	14 58 55	15°18'23	29°26	22°53	19°35	14°50	4°45	13°37	26°57	29° 5	0°39	26°38	25°11	14°32	n.a.	T 12
W13	15 2 51	16°15'34	11♓26	23°38	20°46	15°33	4°52	13°36	27° 1	29° 7	0°40	26°39	25° 8	14°39	n.a.	W13
T 14	15 6 48	17°12'44	23°17	24°27	21°57	16°16	4°58	13°35	27° 4	29° 9	0°41	26°R40	25° 5	14°46	n.a.	T 14
F 15	15 10 44	18° 9'55	5♈ 4	25°20	23° 8	16°59	5° 5	13°35	27° 8	29°12	0°41	26°40	25° 1	14°52	n.a.	F 15
S 16	15 14 41	19° 7'05	16°51	26°16	24°18	17°41	5°12	13°34	27°11	29°14	0°41	26°38	24°58	14°59	n.a.	S 16
S 17	15 18 37	20° 4'15	28°41	27°17	25°29	18°24	5°19	13°33	27°15	29°16	0°42	26°33	24°55	15° 6	n.a.	S 17
M18	15 22 34	21° 1'24	10♉38	28°21	26°40	19° 7	5°26	13°33	27°18	29°18	0°42	26°27	24°52	15°12	n.a.	M18
T 19	15 26 31	21°58'33	22°43	29°29	27°50	19°49	5°33	13°32	27°22	29°20	0°43	26°18	24°49	15°19	n.a.	T 19
W20	15 30 27	22°55'42	4♊57	0♉40	29° 1	20°32	5°40	13°32	27°26	29°23	0°43	26° 8	24°45	15°26	n.a.	W20
T 21	15 34 24	23°52'51	17°22	1°55	0♋11	21°14	5°48	13°32	27°29	29°25	0°43	25°58	24°42	15°32	n.a.	T 21
F 22	15 38 20	24°49'59	29°58	3°13	1°21	21°57	5°55	13°D32	27°33	29°27	0°44	25°48	24°39	15°39	n.a.	F 22
S 23	15 42 17	25°47'07	12♋47	4°35	2°32	22°39	6° 3	13°32	27°36	29°29	0°44	25°40	24°36	15°45	n.a.	S 23
S 24	15 46 13	26°44'14	25°48	6° 0	3°42	23°21	6°11	13°32	27°40	29°32	0°44	25°34	24°33	15°52	n.a.	S 24
M25	15 50 10	27°41'21	9♌ 3	7°28	4°52	24° 3	6°19	13°32	27°43	29°34	0°45	25°30	24°30	15°59	n.a.	M25
T 26	15 54 6	28°38'27	22°34	9° 0	6° 2	24°45	6°27	13°33	27°47	29°36	0°45	25°28	24°26	16° 5	n.a.	T 26
W27	15 58 3	29°35'33	6♍22	10°35	7°12	25°27	6°35	13°33	27°51	29°38	0°45	25°D28	24°23	16°12	n.a.	W27
T 28	16 2 0	0♊32'39	20°27	12°14	8°22	26° 9	6°44	13°34	27°54	29°40	0°45	25°R29	24°20	16°19	n.a.	T 28
F 29	16 5 56	1°29'44	4♎49	13°55	9°31	26°51	6°52	13°34	27°58	29°43	0°46	25°29	24°17	16°25	n.a.	F 29
S 30	16 9 53	2°26'49	19°25	15°40	10°41	27°33	7° 0	13°35	28° 1	29°45	0°46	25°27	24°14	16°32	n.a.	S 30
S 31	16 13 49	3♊23'54	4♏13	17♉28	11♋51	28♈15	7♌ 9	13♍36	28♉ 5	29♉47	0♓46	25♍22	24♍11	16♈39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13n17	1n44	0s11	4n49	3s 5	23n12	1n33	2n 1	0s49	20n46	1n15	8n52	2n40	19n31	0s 4	18n46	1s23	26s30	16s14	1n 7	1n42	3n53		n.a.
S 2	13 37	3s 1	1n10	4 41	3 13	23 26	1 35	2 19	0 49	20 45	1 14	8 53	2 40	19 32	0 4	18 47	1 23	26 30	16 15	1 7	1 44	3 55		n.a.
S 3	13 56	7 38	2 27	4 34	3 20	23 40	1 37	2 37	0 48	20 43	1 14	8 54	2 40	19 33	0 4	18 47	1 23	26 30	16 15	1 8	1 45	3 57		n.a.
M 4	14 15	11 46	3 33	4 31	3 26	23 52	1 39	2 55	0 48	20 42	1 14	8 54	2 40	19 33	0 4	18 48	1 23	26 30	16 15	1 10	1 46	3 59		n.a.
T 5	14 33	15 5	4 24	4 30	3 31	24 5	1 41	3 12	0 47	20 41	1 14	8 55	2 40	19 34	0 4	18 48	1 23	26 30	16 16	1 12	1 47	4 1		n.a.
W 6	14 52	17 22	4 57	4 32	3 35	24 16	1 42	3 30	0 47	20 39	1 14	8 55	2 39	19 35	0 4	18 49	1 23	26 30	16 16	1 14	1 49	4 3		n.a.
T 7	15 10	18 28	5 9	4 37	3 38	24 27	1 44	3 48	0 46	20 38	1 14	8 55	2 39	19 36	0 4	18 49	1 23	26 30	16 16	1 17	1 50	4 4		n.a.
F 8	15 28	18 26	5 3	4 44	3 40	24 37	1 46	4 5	0 46	20 36	1 13	8 56	2 39	19 37	0 4	18 49	1 23	26 30	16 17	1 19	1 51	4 6		n.a.
S 9	15 46	17 20	4 41	4 54	3 41	24 46	1 47	4 23	0 45	20 35	1 13	8 56	2 39	19 38	0 4	18 50	1 23	26 30	16 17	1 21	1 52	4 8		n.a.
S 10	16 4	15 23	4 4	5 7	3 41	24 55	1 49	4 40	0 45	20 33	1 13	8 56	2 39	19 38	0 3	18 50	1 23	26 30	16 17	1 21	1 54	4 10		n.a.
M11	16 21	12 45	3 17	5 21	3 40	25 3	1 50	4 57	0 44	20 31	1 13	8 57	2 38	19 39	0 3	18 51	1 23	26 30	16 18	1 22	1 55	4 12		n.a.
T 12	16 38	9 36	2 22	5 38	3 38	25 11	1 51	5 15	0 44	20 30	1 13	8 57	2 38	19 40	0 3	18 51	1 23	26 30	16 18	1 21	1 56	4 14		n.a.
W13	16 55	6 7	1 21	5 58	3 35	25 17	1 53	5 32	0 43	20 28	1 13	8 57	2 38	19 41	0 3	18 52	1 23	26 31	16 19	1 21	1 58	4 15		n.a.
T 14	17 11	2 25	0 18	6 19	3 32	25 23	1 54	5 49	0 43	20 26	1 13	8 57	2 38	19 42	0 3	18 52	1 23	26 31	16 19	1 20	1 59	4 17		n.a.
F 15	17 27	1n21	0s45	6 42	3 27	25 28	1 55	6 6	0 42	20 24	1 12	8 57	2 37	19 43	0 3	18 53	1 23	26 31	16 19	1 20	2 0	4 19		n.a.
S 16	17 43	5 4	1 47	7 8	3 22	25 33	1 56	6 23	0 42	20 23	1 12	8 57	2 37	19 43	0 3	18 53	1 23	26 31	16 20	1 21	2 1	4 21		n.a.
S 17	17 59	8 36	2 44	7 35	3 16	25 37	1 57	6 40	0 41	20 21	1 12	8 57	2 37	19 44	0 3	18 54	1 23	26 31	16 20	1 23	2 3	4 23		n.a.
M18	18 14	11 49	3 34	8 4	3 10	25 40	1 58	6 57	0 41	20 19	1 12	8 57	2 37	19 45	0 3	18 54	1 23	26 31	16 20	1 26	2 4	4 25		n.a.
T 19	18 29	14 35	4 15	8 35	3 3	25 42	1 59	7 14	0 40	20 17	1 12	8 57	2 37	19 46	0 3	18 55	1 23	26 32	16 21	1 29	2 5	4 26		n.a.
W20	18 44	16 44	4 45	9 7	2 55	25 44	1 59	7 30	0 40	20 15	1 12	8 57	2 36	19 47	0 3	18 55	1 23	26 32	16 21	1 33	2 6	4 28		n.a.
T 21	18 59	18 8	5 1	9 41	2 47	25 44	2 0	7 47	0 39	20 13	1 12	8 57	2 36	19 47	0 3	18 56	1 23	26 32	16 22	1 37	2 8	4 30		n.a.
F 22	19 13	18 41	5 4	10 16	2 38	25 45	2 0	8 3	0 39	20 11	1 12	8 57	2 36	19 48	0 3	18 56	1 23	26 32	16 22	1 41	2 9	4 32		n.a.
S 23	19 27	18 17	4 51	10 53	2 29	25 44	2 1	8 20	0 38	20 9	1 11	8 56	2 36	19 49	0 3	18 57	1 23	26 32	16 22	1 45	2 10	4 34		n.a.
S 24	19 40	16 56	4 24	11 30	2 19	25 43	2 1	8 36	0 37	20 7	1 11	8 56	2 35	19 50	0 3	18 57	1 23	26 33	16 23	1 47	2 12	4 36		n.a.
M25	19 54	14 39	3 42	12 9	2 9	25 41	2 2	8 52	0 37	20 5	1 11	8 56	2 35	19 51	0 3	18 58	1 23	26 33	16 23	1 49	2 13	4 37		n.a.
T 26	20 7	11 33	2 46	12 49	1 58	25 38	2 2	9 9	0 36	20 2	1 11	8 56	2 35	19 52	0 3	18 58	1 23	26 33	16 23	1 49	2 14	4 39		n.a.
W27	20 19	7 44	1 40	13 29	1 47	25 34	2 2	9 25	0 36	20 0	1 11	8 55	2 35	19 52	0 3	18 59	1 23	26 33	16 24	1 49	2 15	4 41		n.a.
T 28	20 31	3 25	0 27	14 11	1 36	25 30	2 2	9 41	0 35	19 58	1 11	8 55	2 34	19 53	0 3	18 59	1 23	26 34	16 24	1 49	2 17	4 43		n.a.
F 29	20 43	1s11	0n50	14 52	1 25	25 25	2 2	9 57	0 35	19 56	1 11	8 54	2 34	19 54	0 3	19 0	1 23	26 34	16 24	1 49	2 18	4 45		n.a.
S 30	20 55	5 47	2 4	15 34	1 13	25 20	2 2	10 12	0 34	19 53	1 11	8 54	2 34	19 55	0 3	19 0	1 23	26 34	16 25	1 50	2 19	4 47		n.a.
S 31	21n 6	10s 6	3n11	16n17	1s 1	25n13	2n 1	10n28	0s33	19n51	1n10	8n53	2n34	19n56	0s 3	19n 1	1s23	26s35	16s25	1n52	2n20	4n48		n.a.

Julian Day Number = 1573617.5, Delta T = 04h16m02s
Ecliptic obliquity = 23°44'30, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'38, Lahiri = - 9°32'38 Julian Calendar 1 May 405 BCE == Greg. Calendar 26 Apr. 405 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

JUNE 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	16 17 46	4♊20'59	19♏ 4	19♉18	13♋ 0	28♈57	7♌18	13♍37	28♉ 8	29♉49	0♓46	25°R15	24♍ 7	16♈45	n.a.	M 1
T 2	16 21 42	5°18'03	3♐52	21°12	14°10	29°38	7°27	13°38	28°12	29°52	0°46	25♍ 6	24° 4	16°52	n.a.	T 2
W 3	16 25 39	6°15'08	18°27	23° 8	15°19	0♉20	7°36	13°39	28°16	29°54	0°46	24°56	24° 1	16°59	n.a.	W 3
T 4	16 29 35	7°12'14	2♑43	25° 6	16°28	1° 1	7°45	13°40	28°19	29°56	0°46	24°46	23°58	17° 5	n.a.	T 4
F 5	16 33 32	8° 9'19	16°34	27° 7	17°37	1°43	7°54	13°41	28°23	29°58	0°46	24°36	23°55	17°12	n.a.	F 5
S 6	16 37 29	9° 6'25	29°59	29° 9	18°46	2°24	8° 3	13°43	28°26	0♊ 1	0°R46	24°29	23°51	17°19	n.a.	S 6
S 7	16 41 25	10° 3'31	12♒57	1♊14	19°55	3° 6	8°12	13°44	28°30	0° 3	0°46	24°24	23°48	17°25	n.a.	S 7
M 8	16 45 22	11° 0'38	25°31	3°20	21° 4	3°47	8°22	13°46	28°33	0° 5	0°46	24°21	23°45	17°32	n.a.	M 8
T 9	16 49 18	11°57'46	7♓46	5°27	22°13	4°28	8°31	13°47	28°37	0° 7	0°46	24°D20	23°42	17°39	n.a.	T 9
W10	16 53 15	12°54'54	19°47	7°35	23°21	5° 9	8°41	13°49	28°40	0° 9	0°46	24°R20	23°39	17°45	n.a.	W10
T 11	16 57 11	13°52'02	1♈38	9°43	24°30	5°50	8°51	13°51	28°44	0°12	0°46	24°20	23°36	17°52	n.a.	T 11
F 12	17 1 8	14°49'12	13°26	11°52	25°38	6°32	9° 1	13°53	28°47	0°14	0°46	24°19	23°32	17°59	n.a.	F 12
S 13	17 5 5	15°46'22	25°15	14° 1	26°47	7°13	9°11	13°55	28°51	0°16	0°46	24°16	23°29	18° 5	n.a.	S 13
S 14	17 9 1	16°43'32	7♉10	16° 9	27°55	7°53	9°21	13°57	28°54	0°18	0°45	24°10	23°26	18°12	n.a.	S 14
M15	17 12 58	17°40'44	19°14	18°18	29° 3	8°34	9°31	13°59	28°58	0°20	0°45	24° 1	23°23	18°19	n.a.	M15
T 16	17 16 54	18°37'56	1♊29	20°25	0♌11	9°15	9°41	14° 2	29° 1	0°22	0°45	23°50	23°20	18°25	n.a.	T 16
W17	17 20 51	19°35'09	13°58	22°31	1°19	9°56	9°51	14° 4	29° 4	0°24	0°45	23°38	23°17	18°32	n.a.	W17
T 18	17 24 47	20°32'23	26°40	24°37	2°27	10°36	10° 2	14° 7	29° 8	0°27	0°45	23°25	23°13	18°39	n.a.	T 18
F 19	17 28 44	21°29'37	9♋35	26°41	3°34	11°17	10°12	14° 9	29°11	0°29	0°44	23°12	23°10	18°45	n.a.	F 19
S 20	17 32 40	22°26'52	22°43	28°44	4°42	11°58	10°23	14°12	29°15	0°31	0°44	23° 2	23° 7	18°52	n.a.	S 20
S 21	17 36 37	23°24'07	6♌ 2	0♋45	5°49	12°38	10°33	14°15	29°18	0°33	0°44	22°53	23° 4	18°59	n.a.	S 21
M22	17 40 34	24°21'23	19°32	2°45	6°56	13°18	10°44	14°18	29°21	0°35	0°43	22°48	23° 1	19° 5	n.a.	M22
T 23	17 44 30	25°18'40	3♍11	4°43	8° 3	13°59	10°55	14°21	29°25	0°37	0°43	22°46	22°57	19°12	n.a.	T 23
W24	17 48 27	26°15'57	17° 2	6°40	9°10	14°39	11° 6	14°24	29°28	0°39	0°42	22°45	22°54	19°19	n.a.	W24
T 25	17 52 23	27°13'14	1♎ 2	8°35	10°17	15°19	11°17	14°27	29°31	0°41	0°42	22°45	22°51	19°25	n.a.	T 25
F 26	17 56 20	28°10'32	15°12	10°29	11°24	15°59	11°27	14°30	29°34	0°43	0°42	22°44	22°48	19°32	n.a.	F 26
S 27	18 0 16	29° 7'51	29°32	12°21	12°30	16°39	11°39	14°33	29°38	0°45	0°41	22°42	22°45	19°39	n.a.	S 27
S 28	18 4 13	0♋ 5'10	13♏57	14°11	13°37	17°19	11°50	14°37	29°41	0°47	0°41	22°37	22°42	19°45	n.a.	S 28
M29	18 8 9	1° 2'30	28°25	15°59	14°43	17°59	12° 1	14°40	29°44	0°49	0°40	22°30	22°38	19°52	n.a.	M29
T 30	18 12 6	1♋59'51	12♐49	17♋46	15♌49	18♉39	12♌12	14♍44	29♉47	0♊51	0♓40	22♍20	22♍35	19♈59	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21n17	13s47	4n 5	16n59	0s49	25n 6	2n 1	10n44	0s33	19n49	1n10	8n53	2n33	19n57	0s 3	19n 1	1s23	26s35	16s26	1n55	2n22	4n50		n.a.
T 2	21 27	16 34	4 42	17 41	0 38	24 59	2 1	10 59	0 32	19 46	1 10	8 52	2 33	19 57	0 3	19 2	1 23	26 35	16 26	1 58	2 23	4 52		n.a.
W 3	21 37	18 15	5 1	18 22	0 26	24 50	2 0	11 14	0 32	19 44	1 10	8 51	2 33	19 58	0 3	19 2	1 23	26 35	16 26	2 2	2 24	4 54		n.a.
T 4	21 47	18 43	5 0	19 3	0 14	24 41	1 59	11 30	0 31	19 41	1 10	8 51	2 33	19 59	0 3	19 3	1 23	26 36	16 27	2 6	2 26	4 56		n.a.
F 5	21 57	18 3	4 41	19 43	0 3	24 31	1 59	11 45	0 30	19 39	1 10	8 50	2 33	20 0	0 3	19 3	1 23	26 36	16 27	2 10	2 27	4 57		n.a.
S 6	22 6	16 23	4 7	20 21	0n 8	24 21	1 58	12 0	0 30	19 36	1 10	8 49	2 32	20 1	0 3	19 4	1 23	26 36	16 28	2 13	2 28	4 59		n.a.
S 7	22 14	13 56	3 21	20 59	0 19	24 10	1 57	12 15	0 29	19 34	1 10	8 48	2 32	20 1	0 3	19 4	1 23	26 37	16 28	2 15	2 29	5 1		n.a.
M 8	22 23	10 52	2 27	21 34	0 30	23 58	1 56	12 29	0 29	19 31	1 10	8 48	2 32	20 2	0 3	19 5	1 23	26 37	16 28	2 16	2 31	5 3		n.a.
T 9	22 31	7 25	1 27	22 8	0 40	23 46	1 55	12 44	0 28	19 29	1 9	8 47	2 32	20 3	0 3	19 5	1 23	26 38	16 29	2 17	2 32	5 5		n.a.
W10	22 38	3 44	0 24	22 39	0 49	23 33	1 53	12 59	0 27	19 26	1 9	8 46	2 31	20 4	0 3	19 6	1 23	26 38	16 29	2 17	2 33	5 7		n.a.
T 11	22 45	0n 4	0s39	23 9	0 58	23 20	1 52	13 13	0 27	19 23	1 9	8 45	2 31	20 5	0 3	19 6	1 23	26 38	16 29	2 17	2 35	5 8		n.a.
F 12	22 52	3 50	1 40	23 35	1 6	23 5	1 50	13 27	0 26	19 20	1 9	8 44	2 31	20 5	0 3	19 7	1 23	26 39	16 30	2 17	2 36	5 10		n.a.
S 13	22 58	7 28	2 36	23 59	1 14	22 51	1 49	13 41	0 25	19 18	1 9	8 43	2 31	20 6	0 3	19 7	1 23	26 39	16 30	2 18	2 37	5 12		n.a.
S 14	23 4	10 50	3 26	24 21	1 21	22 35	1 47	13 56	0 25	19 15	1 9	8 42	2 30	20 7	0 3	19 7	1 23	26 40	16 30	2 21	2 38	5 14		n.a.
M15	23 10	13 47	4 8	24 40	1 27	22 19	1 45	14 9	0 24	19 12	1 9	8 41	2 30	20 8	0 3	19 8	1 23	26 40	16 31	2 24	2 40	5 16		n.a.
T 16	23 15	16 11	4 38	24 56	1 32	22 3	1 43	14 23	0 23	19 9	1 9	8 40	2 30	20 8	0 3	19 8	1 23	26 40	16 31	2 29	2 41	5 17		n.a.
W17	23 20	17 52	4 56	25 9	1 37	21 46	1 41	14 37	0 23	19 6	1 9	8 39	2 30	20 9	0 3	19 9	1 23	26 41	16 32	2 34	2 42	5 19		n.a.
T 18	23 24	18 42	5 0	25 19	1 41	21 28	1 39	14 50	0 22	19 3	1 9	8 37	2 29	20 10	0 3	19 9	1 23	26 41	16 32	2 39	2 43	5 21		n.a.
F 19	23 28	18 36	4 48	25 26	1 45	21 10	1 37	15 4	0 21	19 0	1 8	8 36	2 29	20 11	0 3	19 10	1 23	26 42	16 32	2 44	2 45	5 23		n.a.
S 20	23 31	17 30	4 22	25 31	1 47	20 52	1 35	15 17	0 21	18 57	1 8	8 35	2 29	20 11	0 3	19 10	1 23	26 42	16 33	2 48	2 46	5 25		n.a.
S 21	23 34	15 27	3 40	25 33	1 49	20 32	1 32	15 30	0 20	18 54	1 8	8 34	2 29	20 12	0 3	19 11	1 23	26 43	16 33	2 51	2 47	5 26		n.a.
M22	23 37	12 31	2 46	25 33	1 50	20 13	1 30	15 43	0 19	18 51	1 8	8 32	2 29	20 13	0 3	19 11	1 23	26 43	16 33	2 53	2 48	5 28		n.a.
T 23	23 39	8 53	1 42	25 30	1 51	19 53	1 27	15 56	0 19	18 48	1 8	8 31	2 28	20 14	0 3	19 11	1 23	26 43	16 34	2 54	2 50	5 30		n.a.
W24	23 41	4 43	0 30	25 25	1 51	19 32	1 24	16 9	0 18	18 45	1 8	8 29	2 28	20 14	0 3	19 12	1 23	26 44	16 34	2 55	2 51	5 32		n.a.
T 25	23 43	0 15	0n44	25 18	1 50	19 11	1 21	16 21	0 17	18 42	1 8	8 28	2 28	20 15	0 3	19 12	1 23	26 44	16 34	2 55	2 52	5 34		n.a.
F 26	23 44	4s17	1 56	25 8	1 49	18 50	1 18	16 34	0 17	18 39	1 8	8 27	2 28	20 16	0 3	19 13	1 23	26 45	16 35	2 55	2 54	5 36		n.a.
S 27	23 44	8 37	3 1	24 56	1 47	18 28	1 15	16 46	0 16	18 36	1 8	8 25	2 28	20 17	0 3	19 13	1 23	26 45	16 35	2 56	2 55	5 37		n.a.
S 28	23 44	12 28	3 56	24 43	1 45	18 6	1 12	16 58	0 15	18 33	1 8	8 24	2 27	20 17	0 3	19 13	1 23	26 46	16 35	2 58	2 56	5 39		n.a.
M29	23 44	16 35	4 35	24 28	1 42	17 43	1 8	17 10	0 15	18 29	1 8	8 22	2 27	20 18	0 3	19 14	1 23	26 46	16 36	3 1	2 57	5 41		n.a.
T 30	23n44	17s43	4n57	24n10	1n39	17n20	1n 5	17n22	0s14	18n26	1n 8	8n20	2n27	20n19	0s 3	19n14	1s23	26s47	16s36	3n 5	2n59	5n43		n.a.

Julian Day Number = 1573648.5, Delta T = 04h16m01s
Ecliptic obliquity = 23°44'30, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'34, Lahiri = - 9°32'33 Julian Calendar 1 June 405 BCE == Greg. Calendar 27 May 405 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

JULY 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	18 16 3	2♋57'13	27♐ 4	19♋32	16♌54	19♉19	12♌23	14♍47	29♉50	0♊53	0°R39	22°R 9	22♍32	20♈ 5	n.a.	W 1
T 2	18 19 59	3°54'36	11♑ 4	21°15	18° 0	19°58	12°35	14°51	29°53	0°55	0♓39	21♍57	22°29	20°12	n.a.	T 2
F 3	18 23 56	4°52'00	24°44	22°57	19° 6	20°38	12°46	14°55	29°57	0°57	0°38	21°47	22°26	20°19	n.a.	F 3
S 4	18 27 52	5°49'26	8♒ 2	24°38	20°11	21°18	12°58	14°59	29°59	0°59	0°37	21°39	22°23	20°25	n.a.	S 4
S 5	18 31 49	6°46'52	20°56	26°16	21°16	21°57	13° 9	15° 3	0♊ 3	1° 1	0°37	21°33	22°19	20°32	n.a.	S 5
M 6	18 35 45	7°44'20	3♓30	27°53	22°21	22°37	13°21	15° 7	0° 6	1° 3	0°36	21°29	22°16	20°39	n.a.	M 6
T 7	18 39 42	8°41'50	15°45	29°29	23°25	23°16	13°33	15°11	0° 9	1° 5	0°36	21°28	22°13	20°45	n.a.	T 7
W 8	18 43 38	9°39'20	27°46	1♌ 3	24°30	23°55	13°45	15°15	0°12	1° 7	0°35	21°D28	22°10	20°52	n.a.	W 8
T 9	18 47 35	10°36'53	9♈39	2°35	25°34	24°34	13°56	15°19	0°15	1° 8	0°34	21°R28	22° 7	20°58	n.a.	T 9
F 10	18 51 32	11°34'27	21°28	4° 6	26°38	25°14	14° 8	15°23	0°17	1°10	0°34	21°28	22° 3	21° 5	n.a.	F 10
S 11	18 55 28	12°32'02	3♉19	5°35	27°42	25°53	14°20	15°28	0°20	1°12	0°33	21°26	22° 0	21°12	n.a.	S 11
S 12	18 59 25	13°29'39	15°17	7° 3	28°46	26°32	14°32	15°32	0°23	1°14	0°32	21°21	21°57	21°18	n.a.	S 12
M13	19 3 21	14°27'18	27°26	8°29	29°49	27°11	14°44	15°37	0°26	1°15	0°31	21°15	21°54	21°25	n.a.	M13
T 14	19 7 18	15°24'59	9♊50	9°53	0♍52	27°49	14°56	15°41	0°29	1°17	0°31	21° 6	21°51	21°32	n.a.	T 14
W15	19 11 14	16°22'41	22°31	11°15	1°55	28°28	15° 8	15°46	0°32	1°19	0°30	20°55	21°48	21°38	n.a.	W15
T 16	19 15 11	17°20'24	5♋29	12°36	2°58	29° 7	15°20	15°51	0°34	1°21	0°29	20°44	21°44	21°45	n.a.	T 16
F 17	19 19 7	18°18'09	18°44	13°55	4° 0	29°46	15°33	15°56	0°37	1°22	0°28	20°34	21°41	21°52	n.a.	F 17
S 18	19 23 4	19°15'56	2♌15	15°12	5° 3	0♊24	15°45	16° 1	0°40	1°24	0°27	20°25	21°38	21°58	n.a.	S 18
S 19	19 27 1	20°13'44	15°57	16°27	6° 4	1° 3	15°57	16° 6	0°42	1°25	0°26	20°18	21°35	22° 5	n.a.	S 19
M20	19 30 57	21°11'34	29°50	17°41	7° 6	1°41	16°10	16°11	0°45	1°27	0°26	20°14	21°32	22°12	n.a.	M20
T 21	19 34 54	22° 9'24	13♍49	18°52	8° 7	2°19	16°22	16°16	0°47	1°29	0°25	20°D12	21°29	22°18	n.a.	T 21
W22	19 38 50	23° 7'16	27°53	20° 1	9° 8	2°58	16°34	16°21	0°50	1°30	0°24	20°12	21°25	22°25	n.a.	W22
T 23	19 42 47	24° 5'10	12♎ 1	21° 8	10° 9	3°36	16°47	16°26	0°52	1°32	0°23	20°13	21°22	22°32	n.a.	T 23
F 24	19 46 43	25° 3'05	26° 9	22°13	11° 9	4°14	16°59	16°31	0°55	1°33	0°22	20°R14	21°19	22°38	n.a.	F 24
S 25	19 50 40	26° 1'01	10♏19	23°15	12° 9	4°52	17°12	16°37	0°57	1°35	0°21	20°13	21°16	22°45	n.a.	S 25
S 26	19 54 36	26°58'59	24°27	24°15	13° 9	5°30	17°25	16°42	0°59	1°36	0°20	20°10	21°13	22°52	n.a.	S 26
M27	19 58 33	27°56'58	8♐31	25°12	14° 8	6° 8	17°37	16°48	1° 2	1°38	0°19	20° 5	21° 9	22°58	n.a.	M27
T 28	20 2 30	28°54'59	22°29	26° 6	15° 7	6°46	17°50	16°53	1° 4	1°39	0°18	19°58	21° 6	23° 5	n.a.	T 28
W29	20 6 26	29°53'01	6♑18	26°57	16° 6	7°23	18° 2	16°59	1° 6	1°40	0°17	19°50	21° 3	23°12	n.a.	W29
T 30	20 10 23	0♌51'05	19°53	27°45	17° 4	8° 1	18°15	17° 4	1° 9	1°42	0°16	19°42	21° 0	23°18	n.a.	T 30
F 31	20 14 19	1♌49'10	3♒13	28♌30	18♍ 2	8♊39	18♌28	17♍10	1♊11	1♊43	0♓15	19♍34	20♍57	23♈25	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
W 1	23n42	18s43	5n 0	23n52	1n35	16n56	1n 1	17n34	0s13	18n23	1n 8	8n19	2n27	20n19	0s 3	19n15	1s23	26s47	16s36	3n 9	3n 0	5n45			n.a.
T 2	23 41	18 33	4 45	23 32	1 31	16 33	0 58	17 45	0 12	18 19	1 8	8 17	2 26	20 20	0 3	19 15	1 23	26 48	16 37	3 14	3 1	5 46			n.a.
F 3	23 39	17 18	4 13	23 10	1 26	16 8	0 54	17 57	0 12	18 16	1 8	8 16	2 26	20 21	0 3	19 15	1 23	26 48	16 37	3 18	3 2	5 48			n.a.
S 4	23 37	15 8	3 29	22 47	1 21	15 44	0 50	18 8	0 11	18 13	1 7	8 14	2 26	20 21	0 3	19 16	1 23	26 49	16 37	3 21	3 4	5 50			n.a.
S 5	23 34	12 15	2 35	22 23	1 15	15 19	0 46	18 19	0 10	18 9	1 7	8 12	2 26	20 22	0 3	19 16	1 23	26 49	16 38	3 24	3 5	5 52			n.a.
M 6	23 31	8 54	1 34	21 58	1 9	14 54	0 42	18 30	0 10	18 6	1 7	8 10	2 26	20 23	0 3	19 17	1 23	26 50	16 38	3 25	3 6	5 54			n.a.
T 7	23 27	5 13	0 30	21 32	1 3	14 28	0 38	18 41	0 9	18 2	1 7	8 9	2 25	20 23	0 3	19 17	1 23	26 50	16 38	3 26	3 8	5 55			n.a.
W 8	23 23	1 25	0s34	21 5	0 56	14 3	0 33	18 51	0 8	17 59	1 7	8 7	2 25	20 24	0 3	19 17	1 23	26 51	16 39	3 26	3 9	5 57			n.a.
T 9	23 19	2n25	1 35	20 38	0 49	13 37	0 29	19 2	0 7	17 55	1 7	8 5	2 25	20 25	0 3	19 18	1 23	26 52	16 39	3 25	3 10	5 59			n.a.
F 10	23 14	6 7	2 33	20 9	0 42	13 10	0 24	19 12	0 7	17 52	1 7	8 3	2 25	20 25	0 3	19 18	1 23	26 52	16 39	3 26	3 11	6 1			n.a.
S 11	23 9	9 35	3 24	19 40	0 34	12 44	0 20	19 22	0 6	17 48	1 7	8 1	2 25	20 26	0 3	19 18	1 23	26 53	16 40	3 26	3 13	6 3			n.a.
S 12	23 3	12 42	4 6	19 10	0 27	12 17	0 15	19 32	0 5	17 45	1 7	7 59	2 25	20 26	0 3	19 19	1 23	26 53	16 40	3 28	3 14	6 4			n.a.
M13	22 57	15 19	4 38	18 40	0 18	11 50	0 10	19 42	0 4	17 41	1 7	7 57	2 24	20 27	0 3	19 19	1 23	26 54	16 40	3 31	3 15	6 6			n.a.
T 14	22 50	17 18	4 58	18 10	0 10	11 23	0 5	19 52	0 4	17 38	1 7	7 55	2 24	20 28	0 3	19 19	1 23	26 54	16 40	3 34	3 16	6 8			n.a.
W15	22 43	18 29	5 3	17 39	0 2	10 56	0 0	20 1	0 3	17 34	1 7	7 53	2 24	20 28	0 3	19 20	1 23	26 55	16 41	3 39	3 18	6 10			n.a.
T 16	22 36	18 44	4 54	17 7	0s 7	10 28	0s 5	20 11	0 2	17 30	1 7	7 51	2 24	20 29	0 3	19 20	1 23	26 55	16 41	3 43	3 19	6 12			n.a.
F 17	22 28	17 59	4 28	16 36	0 16	10 0	0 10	20 20	0 1	17 26	1 7	7 49	2 24	20 29	0 3	19 20	1 23	26 56	16 41	3 47	3 20	6 13			n.a.
S 18	22 20	16 13	3 47	16 5	0 25	9 32	0 16	20 29	0 1	17 23	1 7	7 47	2 23	20 30	0 3	19 21	1 23	26 56	16 41	3 51	3 21	6 15			n.a.
S 19	22 12	13 31	2 52	15 33	0 35	9 4	0 21	20 38	0n 0	17 19	1 7	7 45	2 23	20 31	0 3	19 21	1 23	26 57	16 42	3 53	3 23	6 17			n.a.
M20	22 3	10 0	1 47	15 2	0 44	8 36	0 27	20 46	0 1	17 15	1 7	7 43	2 23	20 31	0 3	19 21	1 23	26 58	16 42	3 55	3 24	6 19			n.a.
T 21	21 54	5 55	0 34	14 30	0 54	8 8	0 32	20 55	0 2	17 11	1 7	7 41	2 23	20 32	0 3	19 21	1 23	26 58	16 42	3 56	3 25	6 21			n.a.
W22	21 44	1 29	0n41	13 59	1 4	7 39	0 38	21 3	0 3	17 8	1 7	7 38	2 23	20 32	0 3	19 22	1 23	26 59	16 42	3 56	3 27	6 22			n.a.
T 23	21 34	3s 3	1 54	13 28	1 14	7 11	0 44	21 12	0 3	17 4	1 7	7 36	2 23	20 33	0 3	19 22	1 23	26 59	16 43	3 55	3 28	6 24			n.a.
F 24	21 23	7 25	3 1	12 58	1 24	6 42	0 50	21 20	0 4	17 0	1 7	7 34	2 22	20 33	0 3	19 22	1 23	27 0	16 43	3 55	3 29	6 26			n.a.
S 25	21 13	11 22	3 56	12 28	1 34	6 14	0 56	21 27	0 5	16 56	1 7	7 32	2 22	20 34	0 3	19 23	1 23	27 0	16 43	3 56	3 30	6 28			n.a.
S 26	21 2	14 39	4 37	11 59	1 44	5 45	1 2	21 35	0 6	16 52	1 7	7 29	2 22	20 34	0 3	19 23	1 23	27 1	16 43	3 57	3 32	6 29			n.a.
M27	20 50	17 3	5 1	11 30	1 54	5 16	1 8	21 43	0 7	16 48	1 7	7 27	2 22	20 35	0 3	19 23	1 23	27 2	16 44	3 59	3 33	6 31			n.a.
T 28	20 38	18 25	5 7	11 2	2 4	4 47	1 15	21 50	0 7	16 44	1 7	7 25	2 22	20 35	0 3	19 23	1 23	27 2	16 44	4 1	3 34	6 33			n.a.
W29	20 26	18 41	4 54	10 35	2 14	4 19	1 21	21 57	0 8	16 40	1 7	7 22	2 22	20 36	0 3	19 24	1 24	27 3	16 44	4 5	3 35	6 35			n.a.
T 30	20 13	17 52	4 26	10 9	2 24	3 50	1 28	22 4	0 9	16 36	1 7	7 20	2 22	20 36	0 3	19 24	1 24	27 3	16 44	4 8	3 37	6 37			n.a.
F 31	20n 0	16s 4	3n43	9n44	2s34	3n21	1s34	22n11	0n10	16n32	1n 7	7n18	2n21	20n37	0s 3	19n24	1s24	27s 4	16s44	4n11	3n38	6n38			n.a.

Julian Day Number = 1573678.5, Delta T = 04h16m00s
Ecliptic obliquity = 23°44'29, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'30, Lahiri = - 9°32'29 Julian Calendar 1 July 405 BCE == Greg. Calendar 26 June 405 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

AUGUST 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 18 16	2♌47'18	16♒16	29♌11	18♍59	9♊16	18♌41	17♍16	1♊13	1♊44	0°R14	19°R28	20♍54	23♈32	n.a.	S 1
S 2	20 22 12	3°45'27	29° 0	29°48	19°56	9°53	18°53	17°22	1°15	1°46	0♓13	19♍24	20°50	23°38	n.a.	S 2
M 3	20 26 9	4°43'38	11♓27	0♍21	20°52	10°31	19° 6	17°27	1°17	1°47	0°12	19°22	20°47	23°45	n.a.	M 3
T 4	20 30 5	5°41'51	23°39	0°49	21°48	11° 8	19°19	17°33	1°19	1°48	0°11	19°D22	20°44	23°52	n.a.	T 4
W 5	20 34 2	6°40'07	5♈39	1°13	22°43	11°45	19°32	17°39	1°21	1°49	0°10	19°23	20°41	23°58	n.a.	W 5
T 6	20 37 59	7°38'24	17°31	1°32	23°38	12°22	19°45	17°45	1°23	1°50	0° 9	19°24	20°38	24° 5	n.a.	T 6
F 7	20 41 55	8°36'44	29°21	1°46	24°33	12°59	19°58	17°51	1°25	1°51	0° 8	19°25	20°34	24°12	n.a.	F 7
S 8	20 45 52	9°35'05	11♉12	1°54	25°26	13°36	20°10	17°57	1°26	1°52	0° 6	19°R26	20°31	24°19	n.a.	S 8
S 9	20 49 48	10°33'29	23°11	1°R56	26°20	14°13	20°23	18° 4	1°28	1°54	0° 5	19°25	20°28	24°25	n.a.	S 9
M10	20 53 45	11°31'56	5♊22	1°52	27°13	14°50	20°36	18°10	1°30	1°55	0° 4	19°22	20°25	24°32	n.a.	M10
T 11	20 57 41	12°30'24	17°49	1°42	28° 5	15°26	20°49	18°16	1°32	1°56	0° 3	19°18	20°22	24°39	n.a.	T 11
W12	21 1 38	13°28'55	0♋36	1°25	28°56	16° 3	21° 2	18°22	1°33	1°57	0° 2	19°13	20°19	24°45	n.a.	W12
T 13	21 5 34	14°27'28	13°44	1° 1	29°47	16°39	21°15	18°29	1°35	1°57	0° 1	19° 7	20°15	24°52	n.a.	T 13
F 14	21 9 31	15°26'04	27°14	0°30	0♎37	17°16	21°28	18°35	1°36	1°58	29♒59	19° 2	20°12	24°59	n.a.	F 14
S 15	21 13 28	16°24'41	11♌ 3	29♌52	1°27	17°52	21°41	18°41	1°38	1°59	29°58	18°57	20° 9	25° 5	n.a.	S 15
S 16	21 17 24	17°23'20	25°10	29° 9	2°15	18°28	21°54	18°48	1°39	2° 0	29°57	18°54	20° 6	25°12	n.a.	S 16
M17	21 21 21	18°22'01	9♍28	28°19	3° 4	19° 4	22° 7	18°54	1°41	2° 1	29°56	18°52	20° 3	25°19	n.a.	M17
T 18	21 25 17	19°20'45	23°54	27°24	3°51	19°40	22°20	19° 1	1°42	2° 2	29°55	18°D52	20° 0	25°25	n.a.	T 18
W19	21 29 14	20°19'30	8♎22	26°24	4°37	20°16	22°33	19° 7	1°43	2° 2	29°54	18°53	19°56	25°32	n.a.	W19
T 20	21 33 10	21°18'17	22°47	25°21	5°23	20°52	22°46	19°14	1°45	2° 3	29°53	18°54	19°53	25°39	n.a.	T 20
F 21	21 37 7	22°17'06	7♏ 6	24°16	6° 7	21°28	23° 0	19°21	1°46	2° 4	29°51	18°56	19°50	25°45	n.a.	F 21
S 22	21 41 3	23°15'56	21°17	23°11	6°51	22° 3	23°13	19°27	1°47	2° 5	29°50	18°R56	19°47	25°52	n.a.	S 22
S 23	21 45 0	24°14'49	5♐17	22° 7	7°34	22°39	23°26	19°34	1°48	2° 5	29°49	18°56	19°44	25°59	n.a.	S 23
M24	21 48 56	25°13'43	19° 6	21° 5	8°16	23°14	23°39	19°41	1°49	2° 6	29°48	18°54	19°40	26° 5	n.a.	M24
T 25	21 52 53	26°12'39	2♑43	20° 8	8°57	23°49	23°52	19°47	1°50	2° 6	29°47	18°52	19°37	26°12	n.a.	T 25
W26	21 56 50	27°11'37	16° 6	19°17	9°36	24°25	24° 5	19°54	1°51	2° 7	29°45	18°49	19°34	26°19	n.a.	W26
T 27	22 0 46	28°10'37	29°16	18°33	10°15	25° 0	24°18	20° 1	1°52	2° 7	29°44	18°46	19°31	26°25	n.a.	T 27
F 28	22 4 43	29° 9'39	12♒12	17°57	10°52	25°35	24°31	20° 8	1°53	2° 8	29°43	18°43	19°28	26°32	n.a.	F 28
S 29	22 8 39	0♍ 8'43	24°55	17°31	11°28	26°10	24°44	20°15	1°54	2° 8	29°42	18°40	19°25	26°39	n.a.	S 29
S 30	22 12 36	1° 7'50	7♓24	17°15	12° 3	26°44	24°57	20°22	1°54	2° 9	29°41	18°39	19°21	26°45	n.a.	S 30
M31	22 16 32	2♍ 6'58	19♓40	17°D 9	12♎37	27♊19	25♌10	20♍29	1♊55	2♊ 9	29♒39	18°D39	19♍18	26♈52	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	19n47	13s28	2n49	9n21	2s44	2n52	1s41	22n18	0n11	16n28	1n 7	7n15	2n21	20n37	0s 3	19n24	1s24	27s 4	16s45	4n13	3n39	6n40		n.a.
S 2	19 33	10 17	1 48	8 59	2 54	2 24	1 48	22 24	0 11	16 24	1 7	7 13	2 21	20 37	0 3	19 25	1 24	27 5	16 45	4 15	3 40	6 42		n.a.
M 3	19 19	6 42	0 43	8 38	3 3	1 55	1 54	22 31	0 12	16 20	1 7	7 10	2 21	20 38	0 3	19 25	1 24	27 5	16 45	4 16	3 42	6 44		n.a.
T 4	19 5	2 55	0s23	8 20	3 12	1 26	2 1	22 37	0 13	16 16	1 7	7 8	2 21	20 38	0 3	19 25	1 24	27 6	16 45	4 16	3 43	6 46		n.a.
W 5	18 50	0n56	1 27	8 3	3 21	0 58	2 8	22 43	0 14	16 12	1 7	7 6	2 21	20 39	0 3	19 25	1 24	27 7	16 45	4 15	3 44	6 47		n.a.
T 6	18 35	4 42	2 27	7 49	3 29	0 29	2 15	22 49	0 15	16 8	1 7	7 3	2 21	20 39	0 3	19 25	1 24	27 7	16 45	4 15	3 46	6 49		n.a.
F 7	18 20	8 16	3 20	7 36	3 37	0 1	2 22	22 54	0 16	16 4	1 7	7 1	2 20	20 39	0 3	19 26	1 24	27 8	16 46	4 14	3 47	6 51		n.a.
S 8	18 5	11 30	4 5	7 27	3 44	0s27	2 30	23 0	0 17	16 0	1 7	6 58	2 20	20 40	0 3	19 26	1 24	27 8	16 46	4 14	3 48	6 53		n.a.
S 9	17 49	14 18	4 40	7 20	3 51	0 55	2 37	23 5	0 17	15 56	1 7	6 56	2 20	20 40	0 3	19 26	1 24	27 9	16 46	4 14	3 49	6 54		n.a.
M10	17 32	16 31	5 2	7 16	3 56	1 23	2 44	23 10	0 18	15 51	1 7	6 53	2 20	20 41	0 3	19 26	1 24	27 9	16 46	4 15	3 51	6 56		n.a.
T 11	17 16	18 1	5 11	7 16	4 1	1 51	2 52	23 15	0 19	15 47	1 7	6 50	2 20	20 41	0 3	19 26	1 24	27 10	16 46	4 17	3 52	6 58		n.a.
W12	16 59	18 39	5 5	7 18	4 4	2 18	2 59	23 20	0 20	15 43	1 7	6 48	2 20	20 41	0 3	19 26	1 24	27 10	16 46	4 19	3 53	7 0		n.a.
T 13	16 42	18 19	4 43	7 25	4 7	2 45	3 7	23 25	0 21	15 39	1 7	6 45	2 20	20 42	0 3	19 27	1 24	27 11	16 46	4 21	3 54	7 2		n.a.
F 14	16 25	16 58	4 5	7 35	4 8	3 13	3 14	23 29	0 22	15 35	1 7	6 43	2 20	20 42	0 3	19 27	1 24	27 11	16 46	4 24	3 56	7 3		n.a.
S 15	16 7	14 36	3 12	7 49	4 7	3 39	3 22	23 33	0 23	15 30	1 7	6 40	2 20	20 42	0 3	19 27	1 24	27 12	16 47	4 25	3 57	7 5		n.a.
S 16	15 49	11 19	2 6	8 6	4 4	4 6	3 29	23 38	0 24	15 26	1 7	6 37	2 20	20 43	0 3	19 27	1 24	27 13	16 47	4 27	3 58	7 7		n.a.
M17	15 31	7 20	0 51	8 27	4 0	4 32	3 37	23 42	0 25	15 22	1 7	6 35	2 19	20 43	0 3	19 27	1 24	27 13	16 47	4 27	3 59	7 9		n.a.
T 18	15 12	2 52	0n28	8 52	3 54	4 59	3 45	23 45	0 25	15 18	1 7	6 32	2 19	20 43	0 3	19 27	1 24	27 14	16 47	4 28	4 1	7 10		n.a.
W19	14 54	1s45	1 45	9 20	3 46	5 24	3 52	23 49	0 26	15 13	1 7	6 29	2 19	20 43	0 3	19 27	1 24	27 14	16 47	4 27	4 2	7 12		n.a.
T 20	14 35	6 15	2 56	9 51	3 36	5 50	4 0	23 53	0 27	15 9	1 7	6 27	2 19	20 44	0 3	19 27	1 24	27 15	16 47	4 27	4 3	7 14		n.a.
F 21	14 16	10 22	3 55	10 24	3 23	6 15	4 8	23 56	0 28	15 5	1 7	6 24	2 19	20 44	0 3	19 28	1 24	27 15	16 47	4 26	4 5	7 16		n.a.
S 22	13 56	13 49	4 39	10 59	3 9	6 40	4 16	23 59	0 29	15 0	1 7	6 21	2 19	20 44	0 3	19 28	1 24	27 16	16 47	4 26	4 6	7 17		n.a.
S 23	13 36	16 26	5 6	11 35	2 54	7 4	4 24	24 2	0 30	14 56	1 7	6 18	2 19	20 44	0 3	19 28	1 24	27 16	16 47	4 26	4 7	7 19		n.a.
M24	13 16	18 4	5 15	12 11	2 37	7 28	4 32	24 5	0 31	14 52	1 7	6 16	2 19	20 45	0 3	19 28	1 24	27 17	16 47	4 27	4 8	7 21		n.a.
T 25	12 56	18 37	5 6	12 46	2 18	7 51	4 39	24 8	0 32	14 47	1 7	6 13	2 19	20 45	0 3	19 28	1 24	27 17	16 47	4 28	4 10	7 23		n.a.
W26	12 36	18 7	4 40	13 21	1 59	8 14	4 47	24 10	0 33	14 43	1 7	6 10	2 19	20 45	0 3	19 28	1 25	27 18	16 47	4 29	4 11	7 25		n.a.
T 27	12 15	16 39	4 0	13 53	1 39	8 37	4 55	24 13	0 34	14 39	1 7	6 7	2 19	20 45	0 3	19 28	1 25	27 18	16 47	4 30	4 12	7 26		n.a.
F 28	11 55	14 21	3 8	14 23	1 20	8 59	5 3	24 15	0 35	14 34	1 7	6 5	2 19	20 45	0 3	19 28	1 25	27 18	16 47	4 31	4 13	7 28		n.a.
S 29	11 34	11 23	2 7	14 50	1 0	9 21	5 11	24 17	0 36	14 30	1 7	6 2	2 19	20 46	0 3	19 28	1 25	27 19	16 47	4 32	4 15	7 30		n.a.
S 30	11 13	7 57	1 2	15 13	0 40	9 42	5 19	24 19	0 37	14 26	1 7	5 59	2 18	20 46	0 3	19 28	1 25	27 19	16 47	4 33	4 16	7 32		n.a.
M31	10n51	4s14	0s 6	15n33	0s22	10s 2	5s26	24n21	0n38	14n21	1n 8	5n56	2n18	20n46	0s 3	19n28	1s25	27s20	16s47	4n33	4n17	7n33		n.a.

Julian Day Number = 1573709.5, Delta T = 04h15m58s
Ecliptic obliquity = 23°44'30, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'26, Lahiri = - 9°32'25 Julian Calendar 1 Aug. 405 BCE == Greg. Calendar 27 July 405 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

SEPTEMBER 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 20 29	3♍ 6'08	1♈45	17♌14	13♎ 9	27♊54	25♌23	20♍35	1♊56	2♊ 9	29°R38	18♍39	19♍15	26♈59	n.a.	T 1
W 2	22 24 25	4° 5'21	13°42	17°29	13°39	28°28	25°36	20°42	1°56	2°10	29♒37	18°40	19°12	27° 5	n.a.	W 2
T 3	22 28 22	5° 4'36	25°33	17°54	14° 9	29° 2	25°49	20°49	1°57	2°10	29°36	18°42	19° 9	27°12	n.a.	T 3
F 4	22 32 19	6° 3'53	7♉22	18°28	14°36	29°36	26° 2	20°56	1°57	2°10	29°35	18°43	19° 6	27°19	n.a.	F 4
S 5	22 36 15	7° 3'13	19°13	19°12	15° 2	0♋11	26°15	21° 3	1°58	2°10	29°34	18°44	19° 2	27°25	n.a.	S 5
S 6	22 40 12	8° 2'36	1♊11	20° 4	15°27	0°45	26°28	21°10	1°58	2°10	29°32	18°44	18°59	27°32	n.a.	S 6
M 7	22 44 8	9° 2'00	13°20	21° 4	15°50	1°18	26°41	21°17	1°58	2°10	29°31	18°R44	18°56	27°39	n.a.	M 7
T 8	22 48 5	10° 1'27	25°45	22°10	16°11	1°52	26°54	21°25	1°59	2°11	29°30	18°44	18°53	27°45	n.a.	T 8
W 9	22 52 1	11° 0'57	8♋30	23°23	16°30	2°26	27° 6	21°32	1°59	2°11	29°29	18°43	18°50	27°52	n.a.	W 9
T 10	22 55 58	12° 0'29	21°38	24°41	16°47	2°59	27°19	21°39	1°59	2°R11	29°28	18°43	18°46	27°59	n.a.	T 10
F 11	22 59 54	13° 0'03	5♌11	26° 3	17° 2	3°33	27°32	21°46	1°59	2°11	29°26	18°42	18°43	28° 5	n.a.	F 11
S 12	23 3 51	13°59'40	19°10	27°29	17°16	4° 6	27°45	21°53	1°R59	2°11	29°25	18°41	18°40	28°12	n.a.	S 12
S 13	23 7 47	14°59'19	3♍31	28°59	17°27	4°39	27°58	22° 0	1°59	2°10	29°24	18°41	18°37	28°19	n.a.	S 13
M14	23 11 44	15°59'00	18°10	0♍32	17°36	5°12	28°10	22° 7	1°59	2°10	29°23	18°D41	18°34	28°25	n.a.	M14
T 15	23 15 41	16°58'43	3♎ 0	2° 7	17°43	5°45	28°23	22°14	1°59	2°10	29°22	18°41	18°31	28°32	n.a.	T 15
W16	23 19 37	17°58'28	17°55	3°43	17°47	6°17	28°36	22°22	1°59	2°10	29°21	18°41	18°27	28°39	n.a.	W16
T 17	23 23 34	18°58'15	2♏45	5°22	17°50	6°50	28°49	22°29	1°59	2°10	29°20	18°R41	18°24	28°45	n.a.	T 17
F 18	23 27 30	19°58'04	17°25	7° 1	17°R50	7°22	29° 1	22°36	1°58	2° 9	29°18	18°41	18°21	28°52	n.a.	F 18
S 19	23 31 27	20°57'55	1♐49	8°41	17°47	7°55	29°14	22°43	1°58	2° 9	29°17	18°41	18°18	28°59	n.a.	S 19
S 20	23 35 23	21°57'47	15°54	10°22	17°43	8°27	29°26	22°50	1°58	2° 9	29°16	18°D41	18°15	29° 5	n.a.	S 20
M21	23 39 20	22°57'42	29°38	12° 3	17°35	8°59	29°39	22°57	1°57	2° 9	29°15	18°41	18°11	29°12	n.a.	M21
T 22	23 43 16	23°57'38	13♑ 3	13°45	17°26	9°30	29°51	23° 5	1°57	2° 8	29°14	18°41	18° 8	29°19	n.a.	T 22
W23	23 47 13	24°57'36	26°10	15°26	17°14	10° 2	0♍ 4	23°12	1°56	2° 8	29°13	18°41	18° 5	29°26	n.a.	W23
T 24	23 51 10	25°57'35	9♒ 0	17° 8	16°59	10°33	0°16	23°19	1°56	2° 7	29°12	18°42	18° 2	29°32	n.a.	T 24
F 25	23 55 6	26°57'37	21°36	18°49	16°42	11° 5	0°28	23°26	1°55	2° 7	29°11	18°43	17°59	29°39	n.a.	F 25
S 26	23 59 3	27°57'40	3♓59	20°30	16°23	11°36	0°41	23°33	1°54	2° 6	29°10	18°44	17°56	29°46	n.a.	S 26
S 27	0 2 59	28°57'45	16°12	22°11	16° 2	12° 7	0°53	23°40	1°53	2° 6	29° 9	18°R44	17°52	29°52	n.a.	S 27
M28	0 6 56	29°57'52	28°17	23°52	15°38	12°38	1° 5	23°47	1°53	2° 5	29° 8	18°44	17°49	29°59	n.a.	M28
T 29	0 10 52	0♎58'00	10♈14	25°32	15°12	13° 8	1°17	23°55	1°52	2° 4	29° 7	18°43	17°46	0♉ 6	n.a.	T 29
W30	0 14 49	1♎58'11	22♈ 7	27♍12	14♎45	13♋39	1♍30	24♍ 2	1♊51	2♊ 4	29♒ 6	18♍41	17♍43	0♉12	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n30	0s23	1s12	15n48	0s 4	10s22	5s34	24n22	0n39	14n17	1n 8	5n53	2n18	20n46	0s 3	19n28	1s25	27s20	16s47	4n33	4n18	7n35		n.a.
W 2	10 8	3n25	2 14	16 0	0n13	10 41	5 42	24 24	0 40	14 12	1 8	5 51	2 18	20 46	0 3	19 28	1 25	27 21	16 47	4 32	4 20	7 37		n.a.
T 3	9 46	7 3	3 11	16 7	0 29	11 0	5 49	24 25	0 41	14 8	1 8	5 48	2 18	20 46	0 3	19 28	1 25	27 21	16 47	4 32	4 21	7 39		n.a.
F 4	9 24	10 23	3 59	16 10	0 43	11 17	5 57	24 26	0 42	14 4	1 8	5 45	2 18	20 46	0 3	19 28	1 25	27 22	16 47	4 31	4 22	7 40		n.a.
S 5	9 2	13 19	4 36	16 8	0 56	11 34	6 4	24 27	0 43	13 59	1 8	5 42	2 18	20 46	0 3	19 28	1 25	27 22	16 47	4 31	4 23	7 42		n.a.
S 6	8 39	15 43	5 3	16 3	1 8	11 51	6 11	24 28	0 44	13 55	1 8	5 39	2 18	20 47	0 3	19 28	1 25	27 22	16 47	4 31	4 25	7 44		n.a.
M 7	8 17	17 28	5 16	15 54	1 18	12 6	6 18	24 29	0 45	13 51	1 8	5 36	2 18	20 47	0 3	19 28	1 25	27 23	16 47	4 31	4 26	7 46		n.a.
T 8	7 54	18 25	5 15	15 40	1 27	12 21	6 25	24 30	0 46	13 46	1 8	5 34	2 18	20 47	0 3	19 28	1 25	27 23	16 47	4 31	4 27	7 47		n.a.
W 9	7 32	18 30	4 59	15 24	1 35	12 35	6 32	24 30	0 47	13 42	1 8	5 31	2 18	20 47	0 3	19 28	1 25	27 24	16 47	4 31	4 28	7 49		n.a.
T 10	7 9	17 35	4 27	15 3	1 42	12 47	6 39	24 31	0 48	13 37	1 8	5 28	2 18	20 47	0 3	19 28	1 25	27 24	16 47	4 31	4 30	7 51		n.a.
F 11	6 46	15 40	3 39	14 40	1 47	12 59	6 45	24 31	0 49	13 33	1 8	5 25	2 18	20 47	0 3	19 28	1 25	27 24	16 47	4 32	4 31	7 53		n.a.
S 12	6 22	12 47	2 37	14 14	1 52	13 10	6 51	24 31	0 50	13 29	1 8	5 22	2 18	20 47	0 2	19 28	1 25	27 25	16 47	4 32	4 32	7 54		n.a.
S 13	5 59	9 3	1 23	13 46	1 55	13 20	6 57	24 31	0 51	13 24	1 8	5 19	2 18	20 47	0 2	19 28	1 25	27 25	16 47	4 32	4 34	7 56		n.a.
M14	5 36	4 42	0 3	13 15	1 57	13 28	7 2	24 31	0 52	13 20	1 9	5 16	2 18	20 47	0 2	19 28	1 25	27 25	16 47	4 32	4 35	7 58		n.a.
T 15	5 12	0s 0	1n19	12 42	1 58	13 36	7 8	24 30	0 53	13 15	1 9	5 14	2 18	20 47	0 2	19 28	1 25	27 26	16 47	4 32	4 36	8 0		n.a.
W16	4 49	4 43	2 36	12 7	1 59	13 42	7 13	24 30	0 55	13 11	1 9	5 11	2 18	20 47	0 2	19 28	1 25	27 26	16 46	4 32	4 37	8 1		n.a.
T 17	4 25	9 7	3 41	11 30	1 59	13 47	7 17	24 29	0 56	13 7	1 9	5 8	2 18	20 47	0 2	19 28	1 25	27 26	16 46	4 32	4 39	8 3		n.a.
F 18	4 1	12 54	4 32	10 52	1 58	13 51	7 21	24 29	0 57	13 2	1 9	5 5	2 18	20 47	0 2	19 28	1 25	27 27	16 46	4 32	4 40	8 5		n.a.
S 19	3 38	15 49	5 4	10 12	1 56	13 54	7 25	24 28	0 58	12 58	1 9	5 2	2 18	20 47	0 2	19 28	1 25	27 27	16 46	4 32	4 41	8 7		n.a.
S 20	3 14	17 43	5 17	9 32	1 54	13 55	7 28	24 27	0 59	12 53	1 9	4 59	2 18	20 47	0 2	19 27	1 26	27 27	16 46	4 32	4 42	8 8		n.a.
M21	2 50	18 32	5 12	8 50	1 51	13 55	7 31	24 26	1 0	12 49	1 9	4 56	2 18	20 46	0 2	19 27	1 26	27 27	16 46	4 32	4 44	8 10		n.a.
T 22	2 26	18 17	4 50	8 8	1 48	13 53	7 33	24 25	1 1	12 45	1 9	4 53	2 18	20 46	0 2	19 27	1 26	27 28	16 46	4 32	4 45	8 12		n.a.
W23	2 2	17 3	4 12	7 25	1 45	13 50	7 35	24 24	1 3	12 40	1 9	4 51	2 18	20 46	0 2	19 27	1 26	27 28	16 46	4 32	4 46	8 14		n.a.
T 24	1 38	14 58	3 23	6 41	1 41	13 45	7 36	24 23	1 4	12 36	1 10	4 48	2 18	20 46	0 2	19 27	1 26	27 28	16 45	4 31	4 47	8 15		n.a.
F 25	1 13	12 12	2 25	5 57	1 36	13 38	7 36	24 21	1 5	12 32	1 10	4 45	2 18	20 46	0 2	19 27	1 26	27 28	16 45	4 31	4 49	8 17		n.a.
S 26	0 49	8 55	1 21	5 13	1 32	13 30	7 36	24 20	1 6	12 27	1 10	4 42	2 18	20 46	0 2	19 27	1 26	27 29	16 45	4 31	4 50	8 19		n.a.
S 27	0 25	5 18	0 14	4 28	1 27	13 21	7 35	24 18	1 7	12 23	1 10	4 39	2 18	20 46	0 2	19 27	1 26	27 29	16 45	4 31	4 51	8 21		n.a.
M28	0 1	1 30	0s53	3 43	1 21	13 10	7 33	24 16	1 9	12 19	1 10	4 36	2 18	20 46	0 2	19 26	1 26	27 29	16 45	4 31	4 52	8 22		n.a.
T 29	0s23	2n19	1 56	2 57	1 16	12 57	7 30	24 14	1 10	12 15	1 10	4 34	2 18	20 45	0 2	19 26	1 26	27 29	16 44	4 31	4 54	8 24		n.a.
W30	0s48	6n 1	2s55	2n12	1n10	12s43	7s27	24n13	1n11	12n10	1n10	4n31	2n18	20n45	0s 2	19n26	1s26	27s30	16s44	4n32	4n55	8n26		n.a.

Julian Day Number = 1573740.5, Delta T = 04h15m57s
Ecliptic obliquity = 23°44'31, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'21, Lahiri = - 9°32'21 Julian Calendar 1 Sept. 405 BCE == Greg. Calendar 27 Aug. 405 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

OCTOBER 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 18 45	2♎58'24	3♉57	28♍52	14°R15	14♋ 9	1♍42	24♍ 9	1°R50	2°R 3	29°R 5	18°R39	17♍40	0♉19	n.a.	T 1
F 2	0 22 42	3°58'39	15°46	0♎31	13♎44	14°39	1°54	24°16	1♊49	2♊ 2	29♒ 4	18♍37	17°37	0°26	n.a.	F 2
S 3	0 26 38	4°58'56	27°38	2° 9	13°12	15° 9	2° 6	24°23	1°48	2° 2	29° 3	18°34	17°33	0°32	n.a.	S 3
S 4	0 30 35	5°59'15	9♊36	3°48	12°38	15°39	2°18	24°30	1°47	2° 1	29° 2	18°32	17°30	0°39	n.a.	S 4
M 5	0 34 32	6°59'36	21°43	5°26	12° 3	16° 8	2°29	24°37	1°46	2° 0	29° 1	18°31	17°27	0°46	n.a.	M 5
T 6	0 38 28	7°59'59	4♋ 4	7° 3	11°28	16°38	2°41	24°44	1°45	1°59	29° 0	18°D30	17°24	0°52	n.a.	T 6
W 7	0 42 25	9° 0'24	16°43	8°40	10°52	17° 7	2°53	24°51	1°43	1°58	28°59	18°30	17°21	0°59	n.a.	W 7
T 8	0 46 21	10° 0'51	29°44	10°17	10°15	17°36	3° 5	24°58	1°42	1°58	28°59	18°31	17°17	1° 6	n.a.	T 8
F 9	0 50 18	11° 1'21	13♌10	11°53	9°39	18° 5	3°16	25° 5	1°41	1°57	28°58	18°32	17°14	1°12	n.a.	F 9
S 10	0 54 14	12° 1'52	27° 3	13°29	9° 3	18°33	3°28	25°12	1°39	1°56	28°57	18°34	17°11	1°19	n.a.	S 10
S 11	0 58 11	13° 2'25	11♍24	15° 5	8°27	19° 2	3°39	25°19	1°38	1°55	28°56	18°R35	17° 8	1°26	n.a.	S 11
M12	1 2 7	14° 3'00	26° 9	16°41	7°52	19°30	3°51	25°26	1°36	1°54	28°55	18°35	17° 5	1°32	n.a.	M12
T 13	1 6 4	15° 3'37	11♎12	18°16	7°18	19°58	4° 2	25°33	1°35	1°53	28°54	18°33	17° 2	1°39	n.a.	T 13
W14	1 10 1	16° 4'15	26°24	19°50	6°45	20°25	4°13	25°40	1°33	1°52	28°54	18°31	16°58	1°46	n.a.	W14
T 15	1 13 57	17° 4'55	11♏37	21°25	6°13	20°53	4°25	25°47	1°32	1°51	28°53	18°27	16°55	1°53	n.a.	T 15
F 16	1 17 54	18° 5'37	26°39	22°59	5°43	21°20	4°36	25°54	1°30	1°49	28°52	18°23	16°52	1°59	n.a.	F 16
S 17	1 21 50	19° 6'20	11♐22	24°33	5°15	21°47	4°47	26° 0	1°28	1°48	28°52	18°18	16°49	2° 6	n.a.	S 17
S 18	1 25 47	20° 7'04	25°41	26° 7	4°48	22°13	4°58	26° 7	1°27	1°47	28°51	18°15	16°46	2°13	n.a.	S 18
M19	1 29 43	21° 7'49	9♑33	27°40	4°24	22°40	5° 9	26°14	1°25	1°46	28°50	18°13	16°42	2°19	n.a.	M19
T 20	1 33 40	22° 8'35	22°59	29°14	4° 1	23° 6	5°19	26°21	1°23	1°45	28°50	18°D12	16°39	2°26	n.a.	T 20
W21	1 37 36	23° 9'23	5♒59	0♏47	3°41	23°32	5°30	26°27	1°21	1°43	28°49	18°13	16°36	2°33	n.a.	W21
T 22	1 41 33	24°10'12	18°39	2°20	3°23	23°58	5°41	26°34	1°20	1°42	28°48	18°14	16°33	2°39	n.a.	T 22
F 23	1 45 30	25°11'01	1♓ 3	3°53	3° 8	24°23	5°51	26°41	1°18	1°41	28°48	18°16	16°30	2°46	n.a.	F 23
S 24	1 49 26	26°11'52	13°13	5°25	2°55	24°48	6° 2	26°47	1°16	1°40	28°47	18°R17	16°27	2°53	n.a.	S 24
S 25	1 53 23	27°12'44	25°14	6°58	2°44	25°13	6°12	26°54	1°14	1°38	28°47	18°17	16°23	2°59	n.a.	S 25
M26	1 57 19	28°13'37	7♈ 9	8°30	2°36	25°37	6°22	27° 0	1°12	1°37	28°46	18°15	16°20	3° 6	n.a.	M26
T 27	2 1 16	29°14'31	19° 0	10° 2	2°30	26° 2	6°33	27° 7	1°10	1°36	28°46	18°11	16°17	3°13	n.a.	T 27
W28	2 5 12	0♏15'27	0♉50	11°34	2°27	26°26	6°43	27°13	1° 8	1°34	28°45	18° 5	16°14	3°19	n.a.	W28
T 29	2 9 9	1°16'23	12°41	13° 6	2°D26	26°49	6°53	27°19	1° 5	1°33	28°45	17°57	16°11	3°26	n.a.	T 29
F 30	2 13 5	2°17'21	24°34	14°38	2°28	27°12	7° 3	27°26	1° 3	1°31	28°44	17°49	16° 8	3°33	n.a.	F 30
S 31	2 17 2	3♏18'20	6♊30	16♏ 9	2♎32	27♋35	7♍12	27♍32	1♊ 1	1♊30	28♒44	17♍39	16♍ 4	3♉39	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s12	9n28	3s45	1n27	1n 5	12s28	7s22	24n11	1n12	12n 6	1n10	4n28	2n18	20n45	0s 2	19n26	1s26	27s30	16s44	4n33	4n56	8n28		n.a.
F 2	1 36	12 32	4 26	0 41	0 59	12 11	7 17	24 9	1 14	12 2	1 11	4 25	2 18	20 45	0 2	19 26	1 26	27 30	16 44	4 34	4 57	8 29		n.a.
S 3	2 0	15 5	4 55	0s 4	0 52	11 52	7 11	24 6	1 15	11 58	1 11	4 22	2 19	20 45	0 2	19 26	1 26	27 30	16 44	4 34	4 59	8 31		n.a.
S 4	2 24	17 2	5 12	0 49	0 46	11 32	7 4	24 4	1 16	11 53	1 11	4 20	2 19	20 44	0 2	19 25	1 26	27 30	16 43	4 35	5 0	8 33		n.a.
M 5	2 49	18 14	5 15	1 34	0 40	11 12	6 57	24 2	1 17	11 49	1 11	4 17	2 19	20 44	0 2	19 25	1 26	27 30	16 43	4 36	5 1	8 34		n.a.
T 6	3 13	18 37	5 4	2 19	0 34	10 50	6 48	24 0	1 19	11 45	1 11	4 14	2 19	20 44	0 2	19 25	1 26	27 30	16 43	4 36	5 2	8 36		n.a.
W 7	3 37	18 5	4 38	3 4	0 27	10 27	6 39	23 57	1 20	11 41	1 11	4 11	2 19	20 44	0 2	19 25	1 26	27 31	16 43	4 36	5 4	8 38		n.a.
T 8	4 1	16 35	3 58	3 48	0 21	10 3	6 29	23 55	1 21	11 37	1 11	4 8	2 19	20 44	0 2	19 25	1 26	27 31	16 43	4 36	5 5	8 40		n.a.
F 9	4 25	14 9	3 3	4 33	0 14	9 38	6 18	23 52	1 23	11 33	1 12	4 6	2 19	20 43	0 2	19 24	1 26	27 31	16 42	4 35	5 6	8 41		n.a.
S 10	4 49	10 50	1 56	5 16	0 8	9 13	6 6	23 49	1 24	11 28	1 12	4 3	2 19	20 43	0 2	19 24	1 26	27 31	16 42	4 35	5 7	8 43		n.a.
S 11	5 13	6 46	0 39	6 0	0 1	8 48	5 54	23 47	1 25	11 24	1 12	4 0	2 19	20 43	0 2	19 24	1 26	27 31	16 42	4 34	5 9	8 45		n.a.
M12	5 37	2 11	0n42	6 43	0s 6	8 22	5 41	23 44	1 27	11 20	1 12	3 58	2 19	20 42	0 2	19 24	1 26	27 31	16 42	4 34	5 10	8 47		n.a.
T 13	6 0	2s38	2 1	7 26	0 12	7 56	5 28	23 41	1 28	11 16	1 12	3 55	2 19	20 42	0 2	19 23	1 26	27 31	16 41	4 35	5 11	8 48		n.a.
W14	6 24	7 19	3 13	8 8	0 19	7 30	5 14	23 39	1 30	11 12	1 12	3 52	2 19	20 42	0 2	19 23	1 26	27 31	16 41	4 36	5 12	8 50		n.a.
T 15	6 48	11 32	4 11	8 50	0 25	7 4	5 0	23 36	1 31	11 8	1 13	3 50	2 19	20 41	0 2	19 23	1 26	27 31	16 41	4 37	5 14	8 52		n.a.
F 16	7 11	14 56	4 51	9 32	0 32	6 39	4 45	23 33	1 32	11 4	1 13	3 47	2 19	20 41	0 2	19 23	1 26	27 31	16 41	4 39	5 15	8 53		n.a.
S 17	7 34	17 18	5 11	10 13	0 38	6 14	4 30	23 30	1 34	11 0	1 13	3 44	2 20	20 41	0 2	19 22	1 26	27 31	16 40	4 41	5 16	8 55		n.a.
S 18	7 58	18 30	5 10	10 54	0 44	5 49	4 15	23 27	1 35	10 56	1 13	3 42	2 20	20 40	0 2	19 22	1 26	27 31	16 40	4 42	5 17	8 57		n.a.
M19	8 21	18 33	4 52	11 34	0 50	5 26	4 0	23 24	1 37	10 53	1 13	3 39	2 20	20 40	0 2	19 22	1 26	27 31	16 40	4 43	5 19	8 59		n.a.
T 20	8 44	17 32	4 17	12 13	0 57	5 3	3 44	23 21	1 38	10 49	1 13	3 36	2 20	20 40	0 2	19 22	1 26	27 31	16 39	4 43	5 20	9 0		n.a.
W21	9 7	15 37	3 31	12 52	1 3	4 40	3 29	23 18	1 40	10 45	1 14	3 34	2 20	20 39	0 2	19 21	1 26	27 31	16 39	4 43	5 21	9 2		n.a.
T 22	9 29	12 58	2 35	13 30	1 8	4 19	3 14	23 15	1 41	10 41	1 14	3 31	2 20	20 39	0 2	19 21	1 27	27 31	16 39	4 42	5 22	9 4		n.a.
F 23	9 52	9 48	1 33	14 8	1 14	3 59	2 58	23 12	1 43	10 37	1 14	3 29	2 20	20 39	0 2	19 21	1 27	27 31	16 38	4 42	5 24	9 5		n.a.
S 24	10 14	6 15	0 28	14 45	1 20	3 40	2 43	23 9	1 44	10 34	1 14	3 26	2 20	20 38	0 2	19 21	1 27	27 31	16 38	4 41	5 25	9 7		n.a.
S 25	10 37	2 30	0s38	15 21	1 25	3 22	2 28	23 6	1 46	10 30	1 14	3 24	2 20	20 38	0 2	19 20	1 27	27 31	16 38	4 41	5 26	9 9		n.a.
M26	10 59	1n20	1 41	15 57	1 31	3 5	2 13	23 3	1 48	10 26	1 14	3 21	2 21	20 37	0 2	19 20	1 27	27 31	16 38	4 42	5 27	9 11		n.a.
T 27	11 21	5 5	2 39	16 31	1 36	2 49	1 59	23 0	1 49	10 23	1 15	3 19	2 21	20 37	0 2	19 20	1 27	27 31	16 37	4 44	5 29	9 12		n.a.
W28	11 42	8 38	3 30	17 5	1 41	2 35	1 45	22 57	1 51	10 19	1 15	3 16	2 21	20 37	0 2	19 19	1 27	27 31	16 37	4 46	5 30	9 14		n.a.
T 29	12 4	11 50	4 12	17 39	1 45	2 22	1 31	22 54	1 52	10 15	1 15	3 14	2 21	20 36	0 2	19 19	1 27	27 30	16 37	4 49	5 31	9 16		n.a.
F 30	12 25	14 34	4 43	18 11	1 50	2 10	1 17	22 51	1 54	10 12	1 15	3 11	2 21	20 36	0 2	19 19	1 27	27 30	16 36	4 53	5 32	9 17		n.a.
S 31	12s46	16n43	5s 2	18s42	1s54	1s59	1s 3	22n48	1n56	10n 8	1n15	3n 9	2n21	20n35	0s 2	19n18	1s27	27s30	16s36	4n56	5n34	9n19		n.a.

Julian Day Number = 1573770.5, Delta T = 04h15m56s
Ecliptic obliquity = 23°44'31, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'17, Lahiri = - 9°32'17 Julian Calendar 1 Oct. 405 BCE == Greg. Calendar 26 Sept. 405 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

NOVEMBER 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 20 58	4♏19'21	18♊32	17♏41	2♎39	27♋58	7♍22	27♍38	0°R59	1°R28	28°R43	17°R31	16♍ 1	3♉46	n.a.	S 1
M 2	2 24 55	5°20'22	0♋43	19°12	2°48	28°20	7°32	27°44	0♊57	1♊27	28♒43	17♍24	15°58	3°53	n.a.	M 2
T 3	2 28 52	6°21'25	13° 4	20°42	2°59	28°42	7°41	27°51	0°54	1°25	28°43	17°19	15°55	4° 0	n.a.	T 3
W 4	2 32 48	7°22'29	25°40	22°13	3°12	29° 4	7°51	27°57	0°52	1°24	28°42	17°16	15°52	4° 6	n.a.	W 4
T 5	2 36 45	8°23'34	8♌33	23°43	3°28	29°25	8° 0	28° 3	0°50	1°22	28°42	17°D15	15°48	4°13	n.a.	T 5
F 6	2 40 41	9°24'41	21°49	25°12	3°45	29°46	8° 9	28° 9	0°47	1°21	28°42	17°16	15°45	4°20	n.a.	F 6
S 7	2 44 38	10°25'48	5♍30	26°41	4° 5	0♌ 7	8°18	28°15	0°45	1°19	28°41	17°17	15°42	4°26	n.a.	S 7
S 8	2 48 34	11°26'57	19°37	28°10	4°26	0°27	8°27	28°20	0°43	1°18	28°41	17°R17	15°39	4°33	n.a.	S 8
M 9	2 52 31	12°28'06	4♎11	29°37	4°50	0°47	8°36	28°26	0°40	1°16	28°41	17°16	15°36	4°40	n.a.	M 9
T 10	2 56 27	13°29'17	19° 8	1♐ 4	5°15	1° 6	8°44	28°32	0°38	1°15	28°41	17°12	15°33	4°46	n.a.	T 10
W11	3 0 24	14°30'29	4♏21	2°29	5°42	1°25	8°53	28°38	0°35	1°13	28°41	17° 6	15°29	4°53	n.a.	W11
T 12	3 4 21	15°31'41	19°39	3°54	6°11	1°43	9° 1	28°43	0°33	1°11	28°40	16°58	15°26	5° 0	n.a.	T 12
F 13	3 8 17	16°32'54	4♐53	5°16	6°41	2° 2	9°10	28°49	0°31	1°10	28°40	16°48	15°23	5° 6	n.a.	F 13
S 14	3 12 14	17°34'07	19°51	6°37	7°13	2°19	9°18	28°55	0°28	1° 8	28°40	16°39	15°20	5°13	n.a.	S 14
S 15	3 16 10	18°35'21	4♑24	7°56	7°46	2°36	9°26	29° 0	0°26	1° 6	28°40	16°30	15°17	5°20	n.a.	S 15
M16	3 20 7	19°36'35	18°28	9°12	8°21	2°53	9°34	29° 5	0°23	1° 5	28°40	16°24	15°14	5°27	n.a.	M16
T 17	3 24 3	20°37'50	2♒ 2	10°26	8°57	3° 9	9°42	29°11	0°21	1° 3	28°D40	16°20	15°10	5°33	n.a.	T 17
W18	3 28 0	21°39'04	15° 7	11°36	9°35	3°25	9°50	29°16	0°18	1° 1	28°40	16°18	15° 7	5°40	n.a.	W18
T 19	3 31 57	22°40'19	27°47	12°42	10°14	3°40	9°57	29°21	0°15	1° 0	28°40	16°D18	15° 4	5°47	n.a.	T 19
F 20	3 35 53	23°41'33	10♓ 7	13°43	10°54	3°55	10° 5	29°26	0°13	0°58	28°40	16°R18	15° 1	5°53	n.a.	F 20
S 21	3 39 50	24°42'48	22°12	14°39	11°35	4° 9	10°12	29°32	0°10	0°56	28°40	16°18	14°58	6° 0	n.a.	S 21
S 22	3 43 46	25°44'02	4♈ 8	15°30	12°17	4°23	10°19	29°37	0° 8	0°55	28°40	16°17	14°54	6° 7	n.a.	S 22
M23	3 47 43	26°45'17	15°58	16°13	13° 1	4°37	10°26	29°41	0° 5	0°53	28°41	16°13	14°51	6°13	n.a.	M23
T 24	3 51 39	27°46'32	27°47	16°48	13°45	4°49	10°33	29°46	0° 3	0°51	28°41	16° 6	14°48	6°20	n.a.	T 24
W25	3 55 36	28°47'47	9♉37	17°15	14°31	5° 1	10°39	29°51	0° 0	0°50	28°41	15°56	14°45	6°27	n.a.	W25
T 26	3 59 32	29°49'02	21°30	17°33	15°18	5°13	10°46	29°56	29♉57	0°48	28°41	15°43	14°42	6°33	n.a.	T 26
F 27	4 3 29	0♐50'16	3♊29	17°R40	16° 5	5°24	10°52	0♎ 0	29°55	0°46	28°41	15°29	14°39	6°40	n.a.	F 27
S 28	4 7 26	1°51'31	15°35	17°36	16°53	5°35	10°59	0° 5	29°52	0°44	28°41	15°15	14°35	6°47	n.a.	S 28
S 29	4 11 22	2°52'47	27°47	17°20	17°43	5°44	11° 5	0°10	29°50	0°43	28°42	15° 1	14°32	6°54	n.a.	S 29
M30	4 15 19	3♐54'02	10♋ 8	16♐52	18♎33	5♌54	11♍11	0♎14	29♉47	0♊41	28♒42	14♍49	14♍29	7♉ 0	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13s 7	18n 8	5s 8	19s12	1s58	1s50	0s50	22n45	1n57	10n 5	1n16	3n 7	2n21	20n35	0s 2	19n18	1s27	27s30	16s36	5n 0	5n35	9n21		n.a.
M 2	13 28	18 45	4 59	19 42	2 2	1 42	0 38	22 42	1 59	10 1	1 16	3 4	2 22	20 34	0 2	19 18	1 27	27 30	16 35	5 2	5 36	9 23		n.a.
T 3	13 49	18 29	4 37	20 10	2 5	1 35	0 25	22 39	2 1	9 58	1 16	3 2	2 22	20 34	0 2	19 17	1 27	27 30	16 35	5 4	5 37	9 24		n.a.
W 4	14 9	17 19	4 2	20 37	2 8	1 29	0 13	22 36	2 3	9 55	1 16	3 0	2 22	20 33	0 2	19 17	1 27	27 29	16 35	5 5	5 39	9 26		n.a.
T 5	14 29	15 15	3 13	21 3	2 11	1 25	0 2	22 33	2 4	9 51	1 17	2 57	2 22	20 33	0 2	19 17	1 27	27 29	16 34	5 6	5 40	9 28		n.a.
F 6	14 49	12 19	2 13	21 28	2 13	1 22	0n10	22 31	2 6	9 48	1 17	2 55	2 22	20 32	0 2	19 17	1 27	27 29	16 34	5 6	5 41	9 29		n.a.
S 7	15 8	8 38	1 3	21 51	2 15	1 20	0 21	22 28	2 8	9 45	1 17	2 53	2 22	20 32	0 2	19 16	1 27	27 29	16 34	5 5	5 42	9 31		n.a.
S 8	15 27	4 21	0n13	22 13	2 17	1 19	0 31	22 25	2 10	9 42	1 17	2 51	2 23	20 31	0 2	19 16	1 27	27 29	16 33	5 5	5 44	9 33		n.a.
M 9	15 46	0s19	1 29	22 34	2 18	1 19	0 41	22 23	2 12	9 39	1 17	2 48	2 23	20 31	0 2	19 16	1 27	27 28	16 33	5 6	5 45	9 34		n.a.
T 10	16 5	5 5	2 42	22 53	2 18	1 20	0 51	22 20	2 14	9 35	1 18	2 46	2 23	20 31	0 2	19 15	1 27	27 28	16 33	5 7	5 46	9 36		n.a.
W11	16 24	9 37	3 44	23 11	2 18	1 22	1 1	22 18	2 15	9 32	1 18	2 44	2 23	20 30	0 2	19 15	1 27	27 28	16 32	5 9	5 47	9 38		n.a.
T 12	16 42	13 31	4 31	23 27	2 18	1 25	1 10	22 15	2 17	9 29	1 18	2 42	2 23	20 29	0 2	19 15	1 27	27 28	16 32	5 13	5 49	9 40		n.a.
F 13	17 0	16 30	4 58	23 41	2 17	1 29	1 18	22 13	2 19	9 26	1 18	2 40	2 23	20 29	0 2	19 14	1 27	27 27	16 32	5 16	5 50	9 41		n.a.
S 14	17 17	18 18	5 4	23 54	2 15	1 34	1 27	22 11	2 21	9 24	1 19	2 38	2 24	20 28	0 2	19 14	1 27	27 27	16 31	5 20	5 51	9 43		n.a.
S 15	17 34	18 50	4 50	24 5	2 12	1 40	1 35	22 9	2 23	9 21	1 19	2 36	2 24	20 28	0 2	19 13	1 27	27 27	16 31	5 24	5 52	9 45		n.a.
M16	17 51	18 11	4 18	24 14	2 9	1 47	1 42	22 7	2 25	9 18	1 19	2 34	2 24	20 27	0 2	19 13	1 27	27 26	16 30	5 26	5 54	9 46		n.a.
T 17	18 8	16 30	3 33	24 20	2 4	1 55	1 50	22 5	2 27	9 15	1 19	2 32	2 24	20 27	0 2	19 13	1 27	27 26	16 30	5 28	5 55	9 48		n.a.
W18	18 24	13 59	2 38	24 25	1 59	2 4	1 57	22 3	2 29	9 12	1 20	2 30	2 24	20 26	0 2	19 12	1 27	27 26	16 30	5 28	5 56	9 50		n.a.
T 19	18 40	10 53	1 37	24 28	1 53	2 13	2 3	22 1	2 31	9 10	1 20	2 28	2 25	20 26	0 2	19 12	1 27	27 25	16 29	5 28	5 57	9 51		n.a.
F 20	18 56	7 22	0 33	24 29	1 46	2 23	2 10	22 0	2 33	9 7	1 20	2 26	2 25	20 25	0 2	19 12	1 27	27 25	16 29	5 28	5 59	9 53		n.a.
S 21	19 11	3 37	0s31	24 27	1 37	2 34	2 16	21 58	2 35	9 5	1 20	2 24	2 25	20 25	0 2	19 11	1 27	27 25	16 29	5 28	6 0	9 55		n.a.
S 22	19 26	0n14	1 33	24 23	1 28	2 45	2 21	21 57	2 37	9 2	1 21	2 22	2 25	20 24	0 2	19 11	1 27	27 24	16 28	5 29	6 1	9 56		n.a.
M23	19 41	4 3	2 31	24 17	1 17	2 57	2 27	21 56	2 40	9 0	1 21	2 21	2 25	20 24	0 2	19 11	1 27	27 24	16 28	5 30	6 2	9 58		n.a.
T 24	19 55	7 41	3 21	24 9	1 5	3 10	2 32	21 55	2 42	8 57	1 21	2 19	2 26	20 23	0 2	19 10	1 27	27 24	16 28	5 33	6 4	10 0		n.a.
W25	20 9	11 2	4 3	23 58	0 51	3 23	2 37	21 54	2 44	8 55	1 21	2 17	2 26	20 23	0 2	19 10	1 27	27 23	16 27	5 37	6 5	10 1		n.a.
T 26	20 22	13 57	4 34	23 45	0 37	3 37	2 42	21 53	2 46	8 53	1 22	2 15	2 26	20 22	0 2	19 10	1 27	27 23	16 27	5 42	6 6	10 3		n.a.
F 27	20 35	16 19	4 54	23 30	0 21	3 51	2 46	21 52	2 48	8 50	1 22	2 14	2 26	20 21	0 2	19 9	1 27	27 22	16 27	5 47	6 7	10 5		n.a.
S 28	20 48	17 58	5 0	23 13	0 3	4 6	2 50	21 52	2 51	8 48	1 22	2 12	2 26	20 21	0 2	19 9	1 27	27 22	16 26	5 53	6 9	10 6		n.a.
S 29	21 0	18 50	4 53	22 53	0n15	4 22	2 54	21 52	2 53	8 46	1 22	2 10	2 27	20 20	0 2	19 9	1 27	27 22	16 26	5 58	6 10	10 8		n.a.
M30	21s12	18n50	4s32	22s31	0n34	4s38	2n57	21n52	2n55	8n44	1n23	2n 9	2n27	20n20	0s 2	19n 8	1s27	27s21	16s25	6n 3	6n11	10n10		n.a.

Julian Day Number = 1573801.5, Delta T = 04h15m55s
Ecliptic obliquity = 23°44'30, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'13, Lahiri = - 9°32'13 Julian Calendar 1 Nov. 405 BCE == Greg. Calendar 27 Oct. 405 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 405 BCE
geocentric

DECEMBER 405 BCE (-404) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 19 15	4♐55'17	22♋38	16°R13	19♎24	6♌ 2	11♍17	0♎18	29°R45	0°R39	28♒42	14°R40	14♍26	7♉ 7	n.a.	T 1
W 2	4 23 12	5°56'32	5♌20	15♐23	20°16	6°10	11°22	0°23	29♉42	0♊38	28°43	14♍34	14°23	7°14	n.a.	W 2
T 3	4 27 8	6°57'48	18°15	14°22	21° 8	6°18	11°28	0°27	29°39	0°36	28°43	14°31	14°19	7°20	n.a.	T 3
F 4	4 31 5	7°59'03	1♍28	13°13	22° 1	6°25	11°33	0°31	29°37	0°34	28°43	14°30	14°16	7°27	n.a.	F 4
S 5	4 35 1	9° 0'19	14°59	11°58	22°55	6°31	11°38	0°35	29°34	0°33	28°44	14°30	14°13	7°34	n.a.	S 5
S 6	4 38 58	10° 1'34	28°52	10°39	23°50	6°36	11°43	0°39	29°32	0°31	28°44	14°29	14°10	7°40	n.a.	S 6
M 7	4 42 55	11° 2'49	13♎ 8	9°19	24°45	6°41	11°48	0°43	29°29	0°29	28°45	14°27	14° 7	7°47	n.a.	M 7
T 8	4 46 51	12° 4'05	27°46	8° 0	25°41	6°45	11°53	0°46	29°27	0°28	28°45	14°23	14° 4	7°54	n.a.	T 8
W 9	4 50 48	13° 5'20	12♏40	6°44	26°37	6°48	11°57	0°50	29°24	0°26	28°46	14°15	14° 0	8° 1	n.a.	W 9
T 10	4 54 44	14° 6'35	27°45	5°34	27°34	6°51	12° 2	0°54	29°22	0°24	28°46	14° 5	13°57	8° 7	n.a.	T 10
F 11	4 58 41	15° 7'50	12♐50	4°32	28°32	6°53	12° 6	0°57	29°19	0°23	28°47	13°53	13°54	8°14	n.a.	F 11
S 12	5 2 37	16° 9'04	27°45	3°38	29°30	6°54	12°10	1° 1	29°17	0°21	28°47	13°41	13°51	8°21	n.a.	S 12
S 13	5 6 34	17°10'18	12♑21	2°54	0♏28	6°R54	12°13	1° 4	29°14	0°19	28°48	13°30	13°48	8°27	n.a.	S 13
M14	5 10 31	18°11'31	26°31	2°19	1°27	6°54	12°17	1° 7	29°12	0°18	28°48	13°21	13°45	8°34	n.a.	M14
T 15	5 14 27	19°12'42	10♒12	1°54	2°26	6°52	12°21	1°10	29°10	0°16	28°49	13°15	13°41	8°41	n.a.	T 15
W16	5 18 24	20°13'54	23°24	1°38	3°26	6°51	12°24	1°13	29° 7	0°15	28°50	13°11	13°38	8°47	n.a.	W16
T 17	5 22 20	21°15'04	6♓10	1°D31	4°27	6°48	12°27	1°16	29° 5	0°13	28°50	13°10	13°35	8°54	n.a.	T 17
F 18	5 26 17	22°16'12	18°33	1°32	5°27	6°44	12°30	1°19	29° 3	0°11	28°51	13°10	13°32	9° 1	n.a.	F 18
S 19	5 30 13	23°17'20	0♈41	1°42	6°28	6°40	12°33	1°22	29° 0	0°10	28°52	13°10	13°29	9° 8	n.a.	S 19
S 20	5 34 10	24°18'27	12°36	1°59	7°30	6°35	12°35	1°24	28°58	0° 8	28°53	13° 8	13°25	9°14	n.a.	S 20
M21	5 38 6	25°19'33	24°26	2°22	8°32	6°29	12°37	1°27	28°56	0° 7	28°53	13° 5	13°22	9°21	n.a.	M21
T 22	5 42 3	26°20'37	6♉15	2°51	9°34	6°23	12°40	1°29	28°54	0° 5	28°54	12°59	13°19	9°28	n.a.	T 22
W23	5 46 0	27°21'41	18° 7	3°26	10°36	6°15	12°42	1°32	28°51	0° 4	28°55	12°49	13°16	9°34	n.a.	W23
T 24	5 49 56	28°22'43	0♊ 5	4° 7	11°39	6° 7	12°43	1°34	28°49	0° 2	28°56	12°38	13°13	9°41	n.a.	T 24
F 25	5 53 53	29°23'44	12°11	4°51	12°42	5°58	12°45	1°36	28°47	0° 1	28°57	12°25	13°10	9°48	n.a.	F 25
S 26	5 57 49	0♑24'45	24°27	5°40	13°46	5°48	12°47	1°38	28°45	29♉59	28°58	12°11	13° 6	9°54	n.a.	S 26
S 27	6 1 46	1°25'44	6♋54	6°32	14°50	5°37	12°48	1°40	28°43	29°58	28°58	11°58	13° 3	10° 1	n.a.	S 27
M28	6 5 42	2°26'42	19°31	7°28	15°54	5°26	12°49	1°42	28°41	29°57	28°59	11°47	13° 0	10° 8	n.a.	M28
T 29	6 9 39	3°27'38	2♌19	8°27	16°58	5°14	12°50	1°44	28°39	29°55	29° 0	11°38	12°57	10°15	n.a.	T 29
W30	6 13 35	4°28'34	15°17	9°29	18° 3	5° 1	12°50	1°46	28°37	29°54	29° 1	11°32	12°54	10°21	n.a.	W30
T 31	6 17 32	5♑29'29	28♌27	10♐33	19♏ 8	4♌47	12♍51	1♎47	28♉35	29♉53	29♒ 2	11♍29	12♍51	10♉28	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
T 1	21s23	17n54	3s58	22s 8	0n54	4s54	3n 1	21n52	2n57	8n42	1n23	2n 7	2n27	20n19	0s 2	19n 8	1s27	27s21	16s25	6n 7	6n12	10n11			n.a.
W 2	21 34	16 5	3 11	21 42	1 14	5 11	3 4	21 52	3 0	8 40	1 23	2 6	2 27	20 19	0 2	19 8	1 27	27 20	16 25	6 9	6 13	10 13			n.a.
T 3	21 45	13 26	2 14	21 16	1 33	5 28	3 6	21 52	3 2	8 38	1 23	2 4	2 28	20 18	0 2	19 7	1 27	27 20	16 24	6 10	6 15	10 15			n.a.
F 4	21 55	10 2	1 8	20 49	1 53	5 46	3 9	21 53	3 4	8 36	1 24	2 3	2 28	20 18	0 2	19 7	1 27	27 19	16 24	6 11	6 16	10 17			n.a.
S 5	22 5	6 2	0n 3	20 21	2 11	6 4	3 11	21 53	3 7	8 35	1 24	2 2	2 28	20 17	0 2	19 7	1 27	27 19	16 24	6 11	6 17	10 18			n.a.
S 6	22 14	1 36	1 15	19 54	2 27	6 22	3 14	21 54	3 9	8 33	1 24	2 0	2 28	20 17	0 2	19 6	1 27	27 18	16 23	6 11	6 18	10 20			n.a.
M 7	22 23	3s 2	2 25	19 28	2 42	6 41	3 16	21 55	3 11	8 31	1 25	1 59	2 29	20 16	0 2	19 6	1 27	27 18	16 23	6 12	6 20	10 22			n.a.
T 8	22 31	7 35	3 27	19 3	2 54	6 59	3 17	21 57	3 14	8 30	1 25	1 58	2 29	20 16	0 2	19 6	1 27	27 17	16 23	6 13	6 21	10 23			n.a.
W 9	22 39	11 46	4 16	18 41	3 4	7 18	3 19	21 58	3 16	8 28	1 25	1 56	2 29	20 15	0 2	19 5	1 27	27 17	16 22	6 16	6 22	10 25			n.a.
T 10	22 47	15 14	4 48	18 21	3 12	7 38	3 20	22 0	3 19	8 27	1 25	1 55	2 29	20 14	0 2	19 5	1 27	27 16	16 22	6 20	6 23	10 26			n.a.
F 11	22 54	17 40	5 0	18 5	3 17	7 57	3 21	22 2	3 21	8 26	1 26	1 54	2 30	20 14	0 2	19 5	1 27	27 16	16 22	6 25	6 25	10 28			n.a.
S 12	23 1	18 52	4 51	17 52	3 20	8 17	3 22	22 4	3 24	8 24	1 26	1 53	2 30	20 13	0 2	19 4	1 27	27 15	16 21	6 30	6 26	10 30			n.a.
S 13	23 7	18 47	4 23	17 43	3 21	8 37	3 23	22 6	3 26	8 23	1 26	1 52	2 30	20 13	0 2	19 4	1 26	27 15	16 21	6 34	6 27	10 31			n.a.
M14	23 13	17 31	3 40	17 37	3 20	8 57	3 24	22 8	3 28	8 22	1 27	1 51	2 30	20 12	0 2	19 4	1 26	27 14	16 21	6 38	6 28	10 33			n.a.
T 15	23 18	15 16	2 45	17 35	3 17	9 17	3 24	22 11	3 31	8 21	1 27	1 50	2 31	20 12	0 2	19 3	1 26	27 14	16 20	6 40	6 30	10 35			n.a.
W16	23 23	12 17	1 43	17 36	3 13	9 37	3 24	22 14	3 33	8 20	1 27	1 49	2 31	20 11	0 2	19 3	1 26	27 13	16 20	6 41	6 31	10 36			n.a.
T 17	23 27	8 48	0 37	17 40	3 8	9 58	3 24	22 17	3 36	8 19	1 28	1 48	2 31	20 11	0 2	19 3	1 26	27 13	16 20	6 42	6 32	10 38			n.a.
F 18	23 31	5 1	0s29	17 46	3 1	10 18	3 24	22 20	3 38	8 18	1 28	1 47	2 31	20 10	0 2	19 2	1 26	27 12	16 19	6 42	6 33	10 40			n.a.
S 19	23 34	1 7	1 31	17 55	2 54	10 39	3 24	22 24	3 41	8 17	1 28	1 46	2 32	20 10	0 2	19 2	1 26	27 11	16 19	6 42	6 34	10 41			n.a.
S 20	23 37	2n45	2 29	18 6	2 46	10 59	3 23	22 27	3 43	8 17	1 28	1 45	2 32	20 9	0 2	19 2	1 26	27 11	16 19	6 42	6 36	10 43			n.a.
M21	23 39	6 29	3 20	18 19	2 38	11 20	3 23	22 31	3 45	8 16	1 29	1 44	2 32	20 9	0 2	19 2	1 26	27 10	16 18	6 44	6 37	10 45			n.a.
T 22	23 41	9 58	4 2	18 33	2 29	11 40	3 22	22 35	3 48	8 16	1 29	1 43	2 32	20 8	0 2	19 1	1 26	27 10	16 18	6 46	6 38	10 46			n.a.
W23	23 43	13 3	4 34	18 49	2 20	12 0	3 21	22 39	3 50	8 15	1 29	1 43	2 33	20 8	0 2	19 1	1 26	27 9	16 18	6 50	6 39	10 48			n.a.
T 24	23 44	15 38	4 54	19 6	2 11	12 21	3 20	22 44	3 53	8 15	1 30	1 42	2 33	20 7	0 2	19 1	1 26	27 9	16 17	6 54	6 41	10 50			n.a.
F 25	23 44	17 34	5 1	19 23	2 1	12 41	3 19	22 48	3 55	8 14	1 30	1 41	2 33	20 7	0 2	19 0	1 26	27 8	16 17	6 59	6 42	10 51			n.a.
S 26	23 44	18 44	4 54	19 41	1 52	13 2	3 18	22 53	3 57	8 14	1 30	1 41	2 33	20 7	0 2	19 0	1 26	27 7	16 17	7 5	6 43	10 53			n.a.
S 27	23 44	19 1	4 33	20 0	1 42	13 22	3 16	22 58	4 0	8 14	1 31	1 40	2 34	20 6	0 1	19 0	1 26	27 7	16 17	7 10	6 44	10 55			n.a.
M28	23 43	18 22	3 59	20 19	1 32	13 42	3 15	23 3	4 2	8 14	1 31	1 40	2 34	20 6	0 1	19 0	1 26	27 6	16 16	7 14	6 46	10 56			n.a.
T 29	23 42	16 46	3 12	20 38	1 23	14 2	3 13	23 8	4 4	8 14	1 31	1 39	2 34	20 5	0 1	18 59	1 26	27 6	16 16	7 17	6 47	10 58			n.a.
W30	23 40	14 19	2 14	20 57	1 13	14 22	3 11	23 14	4 6	8 14	1 31	1 39	2 35	20 5	0 1	18 59	1 26	27 5	16 16	7 20	6 48	10 59			n.a.
T 31	23s38	11n 5	1s 9	21s16	1n 4	14s41	3n10	23n19	4n 8	8n14	1n32	1n39	2n35	20n 4	0s 1	18n59	1s26	27s 4	16s15	7n21	6n49	11n 1			n.a.

Julian Day Number = 1573831.5, Delta T = 04h15m54s
Ecliptic obliquity = 23°44'30, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'09, Lahiri = - 9°32'08 Julian Calendar 1 Dec. 405 BCE == Greg. Calendar 26 Nov. 405 BCE

The year -404 astronomical counting style corresponds to year 405 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

JANUARY 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	6 21 29	6♑30'23	11♍49	11♐40	20♏13	4°R33	12♍51	1♎49	28°R33	29°R51	29♒ 3	11°D28	12♍47	10♉35	n.a.	F 1
S 2	6 25 25	7°31'15	25°23	12°48	21°18	4♌18	12°R51	1°50	28♉31	29♉50	29° 4	11♍29	12°44	10°41	n.a.	S 2
S 3	6 29 22	8°32'07	9♎12	13°59	22°24	4° 2	12°51	1°51	28°29	29°49	29° 5	11°R29	12°41	10°48	n.a.	S 3
M 4	6 33 18	9°32'58	23°17	15°12	23°30	3°45	12°51	1°53	28°28	29°48	29° 6	11°28	12°38	10°55	n.a.	M 4
T 5	6 37 15	10°33'47	7♏35	16°26	24°36	3°28	12°50	1°54	28°26	29°46	29° 7	11°25	12°35	11° 1	n.a.	T 5
W 6	6 41 11	11°34'36	22° 6	17°42	25°42	3°10	12°50	1°55	28°24	29°45	29° 8	11°20	12°31	11° 8	n.a.	W 6
T 7	6 45 8	12°35'23	6♐45	18°59	26°49	2°51	12°49	1°56	28°23	29°44	29° 9	11°12	12°28	11°15	n.a.	T 7
F 8	6 49 4	13°36'09	21°25	20°18	27°55	2°32	12°48	1°56	28°21	29°43	29°10	11° 3	12°25	11°22	n.a.	F 8
S 9	6 53 1	14°36'54	5♑59	21°38	29° 2	2°13	12°47	1°57	28°19	29°42	29°12	10°54	12°22	11°28	n.a.	S 9
S 10	6 56 58	15°37'38	20°19	22°59	0♐ 9	1°52	12°45	1°58	28°18	29°41	29°13	10°45	12°19	11°35	n.a.	S 10
M11	7 0 54	16°38'19	4♒20	24°22	1°16	1°31	12°44	1°58	28°16	29°40	29°14	10°38	12°16	11°42	n.a.	M11
T 12	7 4 51	17°38'59	17°57	25°46	2°24	1°10	12°42	1°58	28°15	29°39	29°15	10°33	12°12	11°48	n.a.	T 12
W13	7 8 47	18°39'38	1♓10	27°11	3°31	0°48	12°40	1°59	28°14	29°38	29°16	10°30	12° 9	11°55	n.a.	W13
T 14	7 12 44	19°40'14	13°59	28°36	4°39	0°26	12°38	1°59	28°12	29°37	29°17	10°D30	12° 6	12° 2	n.a.	T 14
F 15	7 16 40	20°40'49	26°26	0♑ 3	5°47	0° 4	12°35	1°R59	28°11	29°36	29°19	10°31	12° 3	12° 8	n.a.	F 15
S 16	7 20 37	21°41'21	8♈37	1°31	6°55	29♋41	12°33	1°59	28°10	29°35	29°20	10°32	12° 0	12°15	n.a.	S 16
S 17	7 24 33	22°41'52	20°36	3° 0	8° 3	29°18	12°30	1°58	28° 8	29°34	29°21	10°R33	11°57	12°22	n.a.	S 17
M18	7 28 30	23°42'20	2♉29	4°30	9°11	28°55	12°27	1°58	28° 7	29°33	29°22	10°32	11°53	12°29	n.a.	M18
T 19	7 32 27	24°42'47	14°19	6° 1	10°20	28°31	12°24	1°58	28° 6	29°32	29°24	10°30	11°50	12°35	n.a.	T 19
W20	7 36 23	25°43'11	26°13	7°33	11°28	28° 7	12°21	1°57	28° 5	29°31	29°25	10°26	11°47	12°42	n.a.	W20
T 21	7 40 20	26°43'34	8♊14	9° 6	12°37	27°44	12°17	1°57	28° 4	29°30	29°26	10°20	11°44	12°49	n.a.	T 21
F 22	7 44 16	27°43'55	20°26	10°40	13°45	27°20	12°14	1°56	28° 3	29°30	29°27	10°13	11°41	12°55	n.a.	F 22
S 23	7 48 13	28°44'13	2♋51	12°15	14°54	26°56	12°10	1°55	28° 2	29°29	29°29	10° 5	11°37	13° 2	n.a.	S 23
S 24	7 52 9	29°44'30	15°31	13°51	16° 3	26°32	12° 6	1°54	28° 1	29°28	29°30	9°57	11°34	13° 9	n.a.	S 24
M25	7 56 6	0♒44'45	28°26	15°28	17°12	26° 9	12° 2	1°53	28° 1	29°28	29°31	9°51	11°31	13°16	n.a.	M25
T 26	8 0 2	1°44'58	11♌34	17° 6	18°22	25°45	11°57	1°52	28° 0	29°27	29°33	9°46	11°28	13°22	n.a.	T 26
W27	8 3 59	2°45'08	24°56	18°45	19°31	25°22	11°53	1°51	27°59	29°26	29°34	9°43	11°25	13°29	n.a.	W27
T 28	8 7 56	3°45'17	8♍30	20°25	20°40	24°58	11°48	1°50	27°58	29°26	29°35	9°D42	11°22	13°36	n.a.	T 28
F 29	8 11 52	4°45'25	22°13	22° 6	21°50	24°36	11°44	1°49	27°58	29°25	29°37	9°43	11°18	13°42	n.a.	F 29
S 30	8 15 49	5°45'30	6♎ 6	23°48	22°59	24°13	11°39	1°47	27°57	29°25	29°38	9°44	11°15	13°49	n.a.	S 30
S 31	8 19 45	6♒45'34	20♎ 5	25♑31	24♐ 9	23♋51	11♍34	1♎45	27♉57	29♉24	29♒40	9♍45	11♍12	13♉56	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23s35	7n15	0n 2	21s34	0n54	15s 1	3n 8	23n25	4n10	8n14	1n32	1n38	2n35	20n 4	0s 1	18n59	1s26	27s 4	16s15	7n21	6n51	11n 3		n.a.
S 2	23 31	2 59	1 14	21 53	0 45	15 20	3 5	23 31	4 12	8 14	1 32	1 38	2 35	20 4	0 1	18 58	1 26	27 3	16 15	7 21	6 52	11 4		n.a.
S 3	23 28	1s31	2 22	22 10	0 36	15 39	3 3	23 36	4 14	8 14	1 33	1 38	2 36	20 3	0 1	18 58	1 26	27 2	16 15	7 21	6 53	11 6		n.a.
M 4	23 24	6 0	3 24	22 28	0 27	15 58	3 1	23 42	4 16	8 15	1 33	1 37	2 36	20 3	0 1	18 58	1 26	27 2	16 14	7 21	6 54	11 8		n.a.
T 5	23 19	10 13	4 13	22 44	0 18	16 16	2 59	23 48	4 18	8 15	1 33	1 37	2 36	20 2	0 1	18 58	1 26	27 1	16 14	7 22	6 55	11 9		n.a.
W 6	23 14	13 53	4 48	23 0	0 9	16 35	2 56	23 54	4 20	8 16	1 34	1 37	2 37	20 2	0 1	18 57	1 26	27 1	16 14	7 24	6 57	11 11		n.a.
T 7	23 8	16 43	5 4	23 16	0 1	16 53	2 53	24 1	4 22	8 16	1 34	1 37	2 37	20 2	0 1	18 57	1 26	27 0	16 14	7 27	6 58	11 13		n.a.
F 8	23 2	18 29	5 0	23 30	0s 7	17 10	2 51	24 7	4 23	8 17	1 34	1 37	2 37	20 1	0 1	18 57	1 26	26 59	16 13	7 31	6 59	11 14		n.a.
S 9	22 56	19 0	4 36	23 44	0 15	17 28	2 48	24 13	4 25	8 18	1 35	1 37	2 37	20 1	0 1	18 57	1 26	26 59	16 13	7 34	7 0	11 16		n.a.
S 10	22 49	18 18	3 56	23 56	0 23	17 45	2 45	24 19	4 27	8 19	1 35	1 37	2 38	20 1	0 1	18 57	1 26	26 58	16 13	7 38	7 2	11 17		n.a.
M11	22 41	16 29	3 1	24 8	0 31	18 2	2 42	24 25	4 28	8 20	1 35	1 37	2 38	20 0	0 1	18 57	1 25	26 57	16 13	7 41	7 3	11 19		n.a.
T 12	22 34	13 46	1 58	24 18	0 38	18 18	2 39	24 31	4 29	8 21	1 35	1 37	2 38	20 0	0 1	18 56	1 25	26 57	16 12	7 42	7 4	11 21		n.a.
W13	22 25	10 25	0 50	24 28	0 45	18 34	2 36	24 38	4 30	8 22	1 36	1 37	2 38	20 0	0 1	18 56	1 25	26 56	16 12	7 43	7 5	11 22		n.a.
T 14	22 17	6 40	0s19	24 36	0 52	18 50	2 33	24 44	4 32	8 23	1 36	1 38	2 39	19 59	0 1	18 56	1 25	26 55	16 12	7 43	7 6	11 24		n.a.
F 15	22 8	2 44	1 25	24 43	0 59	19 5	2 30	24 50	4 33	8 24	1 36	1 38	2 39	19 59	0 1	18 56	1 25	26 55	16 12	7 43	7 8	11 26		n.a.
S 16	21 58	1n14	2 26	24 49	1 5	19 20	2 27	24 56	4 34	8 25	1 37	1 38	2 39	19 59	0 1	18 56	1 25	26 54	16 11	7 43	7 9	11 27		n.a.
S 17	21 48	5 4	3 19	24 54	1 11	19 34	2 23	25 1	4 34	8 26	1 37	1 38	2 40	19 59	0 1	18 56	1 25	26 54	16 11	7 42	7 10	11 29		n.a.
M18	21 38	8 41	4 4	24 57	1 17	19 48	2 20	25 7	4 35	8 28	1 37	1 39	2 40	19 58	0 1	18 55	1 25	26 53	16 11	7 42	7 11	11 30		n.a.
T 19	21 27	11 55	4 37	24 59	1 23	20 2	2 17	25 13	4 36	8 29	1 37	1 39	2 40	19 58	0 1	18 55	1 25	26 52	16 11	7 43	7 13	11 32		n.a.
W20	21 16	14 42	4 59	24 59	1 28	20 15	2 13	25 18	4 36	8 31	1 38	1 40	2 40	19 58	0 1	18 55	1 25	26 52	16 11	7 45	7 14	11 34		n.a.
T 21	21 5	16 53	5 8	24 58	1 33	20 27	2 10	25 23	4 37	8 32	1 38	1 40	2 41	19 58	0 1	18 55	1 25	26 51	16 11	7 47	7 15	11 35		n.a.
F 22	20 53	18 20	5 4	24 55	1 37	20 39	2 6	25 29	4 37	8 34	1 38	1 41	2 41	19 57	0 1	18 55	1 25	26 50	16 10	7 50	7 16	11 37		n.a.
S 23	20 40	18 58	4 45	24 51	1 42	20 51	2 3	25 34	4 37	8 36	1 38	1 41	2 41	19 57	0 1	18 55	1 25	26 50	16 10	7 53	7 18	11 38		n.a.
S 24	20 28	18 39	4 12	24 46	1 45	21 2	1 59	25 38	4 37	8 38	1 39	1 42	2 41	19 57	0 1	18 55	1 25	26 49	16 10	7 56	7 19	11 40		n.a.
M25	20 15	17 23	3 25	24 38	1 49	21 12	1 55	25 43	4 37	8 39	1 39	1 42	2 42	19 57	0 1	18 55	1 25	26 48	16 10	7 58	7 20	11 42		n.a.
T 26	20 1	15 11	2 27	24 29	1 52	21 22	1 52	25 48	4 37	8 41	1 39	1 43	2 42	19 57	0 1	18 55	1 25	26 48	16 10	8 0	7 21	11 43		n.a.
W27	19 48	12 7	1 20	24 19	1 55	21 32	1 48	25 52	4 37	8 43	1 39	1 44	2 42	19 57	0 1	18 54	1 25	26 47	16 10	8 1	7 22	11 45		n.a.
T 28	19 33	8 23	0 7	24 6	1 58	21 41	1 44	25 56	4 36	8 45	1 40	1 45	2 42	19 56	0 1	18 54	1 25	26 46	16 9	8 2	7 24	11 46		n.a.
F 29	19 19	4 10	1n 8	23 52	2 0	21 49	1 40	26 0	4 36	8 47	1 40	1 45	2 43	19 56	0 1	18 54	1 25	26 46	16 9	8 2	7 25	11 48		n.a.
S 30	19 4	0s20	2 19	23 37	2 2	21 57	1 37	26 3	4 35	8 49	1 40	1 46	2 43	19 56	0 1	18 54	1 25	26 45	16 9	8 1	7 26	11 50		n.a.
S 31	18s49	4s49	3n23	23s19	2s 3	22s 4	1n33	26n 7	4n35	8n52	1n40	1n47	2n43	19n56	0s 1	18n54	1s24	26s44	16s 9	8n 0	7n27	11n51		n.a.

Julian Day Number = 1573862.5, Delta T = 04h15m53s
Ecliptic obliquity = 23°44'30, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'05, Lahiri = - 9°32'04 Julian Calendar 1 Jan. 404 BCE == Greg. Calendar 27 Dec. 405 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

FEBRUARY 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	8 23 42	7♒45'36	4♏12	27♉15	25♐19	23°R29	11°R28	1°R44	27°R56	29°R24	29♒41	9°R46	11♍ 9	14♉ 2	n.a.	M 1
T 2	8 27 38	8°45'36	18°23	29° 0	26°29	23♋ 7	11♍23	1♎42	27♉56	29♉24	29°42	9♍46	11° 6	14° 9	n.a.	T 2
W 3	8 31 35	9°45'35	2♐37	0♒46	27°39	22°46	11°17	1°40	27°56	29°23	29°44	9°44	11° 3	14°16	n.a.	W 3
T 4	8 35 31	10°45'32	16°51	2°34	28°49	22°25	11°12	1°38	27°55	29°23	29°45	9°41	10°59	14°23	n.a.	T 4
F 5	8 39 28	11°45'27	1♉ 2	4°23	29°59	22° 5	11° 6	1°36	27°55	29°23	29°47	9°37	10°56	14°29	n.a.	F 5
S 6	8 43 25	12°45'21	15° 6	6°12	1♉ 9	21°46	11° 0	1°34	27°55	29°22	29°48	9°33	10°53	14°36	n.a.	S 6
S 7	8 47 21	13°45'12	28°59	8° 3	2°19	21°27	10°54	1°32	27°55	29°22	29°50	9°29	10°50	14°43	n.a.	S 7
M 8	8 51 18	14°45'02	12♒38	9°55	3°29	21° 8	10°48	1°30	27°55	29°22	29°51	9°26	10°47	14°49	n.a.	M 8
T 9	8 55 14	15°44'49	25°59	11°48	4°40	20°51	10°41	1°27	27°D55	29°22	29°52	9°24	10°43	14°56	n.a.	T 9
W10	8 59 11	16°44'34	9♓ 1	13°43	5°50	20°34	10°35	1°25	27°55	29°22	29°54	9°D24	10°40	15° 3	n.a.	W10
T 11	9 3 7	17°44'17	21°45	15°38	7° 1	20°17	10°28	1°22	27°55	29°22	29°55	9°24	10°37	15°10	n.a.	T 11
F 12	9 7 4	18°43'58	4♈11	17°34	8°11	20° 2	10°22	1°19	27°55	29°22	29°57	9°25	10°34	15°16	n.a.	F 12
S 13	9 11 0	19°43'36	16°23	19°32	9°22	19°47	10°15	1°17	27°55	29°D22	29°58	9°27	10°31	15°23	n.a.	S 13
S 14	9 14 57	20°43'12	28°24	21°30	10°33	19°32	10° 8	1°14	27°55	29°22	29°59	9°29	10°28	15°30	n.a.	S 14
M15	9 18 54	21°42'46	10♉18	23°29	11°43	19°19	10° 1	1°11	27°56	29°22	0♓ 1	9°30	10°24	15°36	n.a.	M15
T 16	9 22 50	22°42'17	22°10	25°29	12°54	19° 6	9°54	1° 8	27°56	29°22	0° 3	9°R30	10°21	15°43	n.a.	T 16
W17	9 26 47	23°41'46	4♊ 4	27°29	14° 5	18°54	9°47	1° 5	27°56	29°22	0° 4	9°30	10°18	15°50	n.a.	W17
T 18	9 30 43	24°41'12	16° 6	29°30	15°16	18°43	9°40	1° 2	27°57	29°22	0° 6	9°29	10°15	15°57	n.a.	T 18
F 19	9 34 40	25°40'36	28°20	1♓31	16°27	18°33	9°33	0°59	27°57	29°22	0° 7	9°27	10°12	16° 3	n.a.	F 19
S 20	9 38 36	26°39'58	10♋49	3°32	17°38	18°23	9°25	0°55	27°58	29°22	0° 9	9°25	10° 8	16°10	n.a.	S 20
S 21	9 42 33	27°39'17	23°36	5°33	18°49	18°15	9°18	0°52	27°58	29°23	0°10	9°24	10° 5	16°17	n.a.	S 21
M22	9 46 29	28°38'34	6♌43	7°34	20° 0	18° 7	9°11	0°49	27°59	29°23	0°12	9°22	10° 2	16°23	n.a.	M22
T 23	9 50 26	29°37'49	20° 9	9°33	21°11	17°59	9° 3	0°45	28° 0	29°23	0°13	9°21	9°59	16°30	n.a.	T 23
W24	9 54 22	0♓37'01	3♍53	11°32	22°22	17°53	8°56	0°42	28° 1	29°23	0°15	9°D21	9°56	16°37	n.a.	W24
T 25	9 58 19	1°36'11	17°53	13°29	23°33	17°47	8°48	0°38	28° 1	29°24	0°16	9°21	9°53	16°44	n.a.	T 25
F 26	10 2 16	2°35'19	2♎ 5	15°24	24°44	17°42	8°40	0°34	28° 2	29°24	0°18	9°21	9°49	16°50	n.a.	F 26
S 27	10 6 12	3°34'26	16°25	17°17	25°56	17°38	8°33	0°31	28° 3	29°25	0°19	9°22	9°46	16°57	n.a.	S 27
S 28	10 10 9	4♓33'30	0♏47	19♓ 7	27♉ 7	17♋35	8♍25	0♎27	28♉ 4	29♉25	0♓21	9♍22	9♍43	17♉ 4	n.a.	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	18s34	9s 5	4n15	23s 0	2s 4	22s11	1n29	26n10	4n34	8n54	1n41	1n48	2n44	19n56	0s 1	18n54	1s24	26s44	16s 9	8n 0	7n29	11n53		n.a.
T 2	18 18	12 51	4 51	22 39	2 4	22 17	1 25	26 13	4 33	8 56	1 41	1 49	2 44	19 56	0 1	18 54	1 24	26 43	16 9	8 0	7 30	11 54		n.a.
W 3	18 2	15 52	5 10	22 15	2 4	22 22	1 21	26 15	4 32	8 59	1 41	1 50	2 44	19 56	0 1	18 54	1 24	26 43	16 9	8 1	7 31	11 56		n.a.
T 4	17 45	17 56	5 10	21 51	2 4	22 27	1 17	26 18	4 31	9 1	1 41	1 51	2 44	19 56	0 1	18 54	1 24	26 42	16 8	8 2	7 32	11 58		n.a.
F 5	17 29	18 53	4 51	21 24	2 3	22 31	1 14	26 20	4 30	9 3	1 42	1 52	2 44	19 56	0 1	18 54	1 24	26 41	16 8	8 4	7 33	11 59		n.a.
S 6	17 12	18 39	4 15	20 55	2 1	22 34	1 10	26 22	4 28	9 6	1 42	1 53	2 45	19 56	0 1	18 54	1 24	26 41	16 8	8 5	7 35	12 1		n.a.
S 7	16 54	17 18	3 24	20 24	2 0	22 37	1 6	26 24	4 27	9 8	1 42	1 54	2 45	19 56	0 1	18 54	1 24	26 40	16 8	8 7	7 36	12 2		n.a.
M 8	16 37	14 58	2 22	19 52	1 57	22 40	1 2	26 26	4 26	9 11	1 42	1 55	2 45	19 56	0 1	18 54	1 24	26 39	16 8	8 8	7 37	12 4		n.a.
T 9	16 19	11 52	1 13	19 17	1 54	22 41	0 58	26 27	4 24	9 13	1 42	1 56	2 45	19 56	0 1	18 54	1 24	26 39	16 8	8 8	7 38	12 5		n.a.
W10	16 1	8 15	0 2	18 41	1 51	22 42	0 54	26 28	4 23	9 16	1 42	1 58	2 46	19 56	0 1	18 54	1 24	26 38	16 8	8 9	7 39	12 7		n.a.
T 11	15 43	4 21	1s 8	18 3	1 47	22 43	0 50	26 29	4 21	9 19	1 43	1 59	2 46	19 56	0 1	18 54	1 24	26 38	16 8	8 9	7 41	12 9		n.a.
F 12	15 24	0 20	2 12	17 23	1 42	22 43	0 47	26 30	4 19	9 21	1 43	2 0	2 46	19 56	0 1	18 54	1 24	26 37	16 8	8 8	7 42	12 10		n.a.
S 13	15 5	3n36	3 10	16 41	1 37	22 42	0 43	26 30	4 18	9 24	1 43	2 1	2 46	19 56	0 1	18 54	1 24	26 36	16 8	8 7	7 43	12 12		n.a.
S 14	14 46	7 20	3 58	15 57	1 31	22 40	0 39	26 31	4 16	9 27	1 43	2 3	2 47	19 56	0 1	18 54	1 24	26 36	16 8	8 7	7 44	12 13		n.a.
M15	14 27	10 44	4 36	15 11	1 25	22 38	0 35	26 31	4 14	9 30	1 43	2 4	2 47	19 56	0 1	18 54	1 24	26 35	16 8	8 6	7 46	12 15		n.a.
T 16	14 7	13 41	5 2	14 24	1 18	22 35	0 32	26 31	4 12	9 33	1 43	2 5	2 47	19 56	0 1	18 55	1 24	26 35	16 8	8 6	7 47	12 17		n.a.
W17	13 47	16 5	5 15	13 36	1 10	22 32	0 28	26 31	4 10	9 35	1 44	2 7	2 47	19 56	0 1	18 55	1 23	26 34	16 8	8 6	7 48	12 18		n.a.
T 18	13 27	17 48	5 14	12 45	1 2	22 27	0 24	26 30	4 8	9 38	1 44	2 8	2 47	19 56	0 1	18 55	1 23	26 33	16 8	8 7	7 49	12 20		n.a.
F 19	13 7	18 45	4 59	11 54	0 53	22 23	0 20	26 30	4 6	9 41	1 44	2 10	2 48	19 56	0 1	18 55	1 23	26 33	16 8	8 7	7 50	12 21		n.a.
S 20	12 47	18 49	4 30	11 1	0 44	22 17	0 17	26 29	4 4	9 44	1 44	2 11	2 48	19 57	0 1	18 55	1 23	26 32	16 8	8 8	7 52	12 23		n.a.
S 21	12 26	17 55	3 47	10 7	0 34	22 11	0 13	26 28	4 2	9 47	1 44	2 13	2 48	19 57	0 1	18 55	1 23	26 32	16 7	8 9	7 53	12 24		n.a.
M22	12 6	16 4	2 51	9 12	0 24	22 4	0 10	26 27	4 0	9 50	1 44	2 14	2 48	19 57	0 1	18 55	1 23	26 31	16 7	8 9	7 54	12 26		n.a.
T 23	11 45	13 18	1 44	8 17	0 13	21 57	0 6	26 26	3 58	9 53	1 44	2 16	2 48	19 57	0 1	18 55	1 23	26 30	16 7	8 10	7 55	12 27		n.a.
W24	11 24	9 44	0 30	7 21	0 2	21 49	0 3	26 25	3 55	9 56	1 44	2 17	2 48	19 57	0 1	18 55	1 23	26 30	16 8	8 10	7 57	12 29		n.a.
T 25	11 2	5 34	0n47	6 25	0n10	21 40	0s 1	26 24	3 53	9 59	1 44	2 19	2 49	19 57	0 1	18 56	1 23	26 29	16 8	8 10	7 58	12 31		n.a.
F 26	10 41	1 2	2 3	5 30	0 22	21 31	0 4	26 22	3 51	10 2	1 44	2 21	2 49	19 58	0 1	18 56	1 23	26 29	16 8	8 10	7 59	12 32		n.a.
S 27	10 19	3s35	3 11	4 34	0 34	21 21	0 8	26 20	3 49	10 5	1 45	2 22	2 49	19 58	0 1	18 56	1 23	26 28	16 8	8 9	8 0	12 34		n.a.
S 28	9s58	8s 1	4n 8	3s40	0n46	21s11	0s11	26n19	3n47	10n 8	1n45	2n24	2n49	19n58	0s 1	18n56	1s23	26s28	16s 8	8n 9	8n 1	12n35		n.a.

Julian Day Number = 1573893.5, Delta T = 04h15m51s
Ecliptic obliquity = 23°44'30, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°39'00, Lahiri = - 9°32'00 Julian Calendar 1 Feb. 404 BCE == Greg. Calendar 27 Jan. 404 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

MARCH 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 14 5	5♓32'32	15♏ 9	20♓54	28♉18	17°R32	8°R17	0°R23	28♉ 5	29♉26	0♓22	9♍23	9♍40	17♉10	n.a.	M 1
T 2	10 18 2	6°31'33	29°26	22°37	29°30	17♋31	8♍10	0♎19	28° 6	29°26	0°24	9°23	9°37	17°17	n.a.	T 2
W 3	10 21 58	7°30'31	13♐36	24°17	0♒41	17°30	8° 2	0°15	28° 7	29°27	0°25	9°R23	9°34	17°24	n.a.	W 3
T 4	10 25 55	8°29'28	27°36	25°53	1°53	17°D29	7°54	0°11	28° 9	29°27	0°27	9°23	9°30	17°31	n.a.	T 4
F 5	10 29 51	9°28'24	11♉26	27°24	3° 4	17°30	7°47	0° 7	28°10	29°28	0°28	9°D23	9°27	17°37	n.a.	F 5
S 6	10 33 48	10°27'17	25° 4	28°50	4°16	17°31	7°39	0° 3	28°11	29°29	0°30	9°23	9°24	17°44	n.a.	S 6
S 7	10 37 45	11°26'08	8♒29	0♈11	5°27	17°33	7°31	29♍59	28°13	29°30	0°31	9°23	9°21	17°51	n.a.	S 7
M 8	10 41 41	12°24'58	21°41	1°27	6°39	17°35	7°23	29°55	28°14	29°30	0°33	9°23	9°18	17°57	n.a.	M 8
T 9	10 45 38	13°23'45	4♓39	2°38	7°50	17°39	7°16	29°51	28°15	29°31	0°34	9°R23	9°14	18° 4	n.a.	T 9
W10	10 49 34	14°22'30	17°24	3°42	9° 2	17°43	7° 8	29°46	28°17	29°32	0°36	9°23	9°11	18°11	n.a.	W10
T 11	10 53 31	15°21'13	29°55	4°41	10°14	17°47	7° 0	29°42	28°18	29°33	0°37	9°23	9° 8	18°18	n.a.	T 11
F 12	10 57 27	16°19'54	12♈13	5°34	11°25	17°53	6°53	29°38	28°20	29°34	0°38	9°22	9° 5	18°24	n.a.	F 12
S 13	11 1 24	17°18'33	24°21	6°21	12°37	17°59	6°45	29°33	28°22	29°34	0°40	9°21	9° 2	18°31	n.a.	S 13
S 14	11 5 20	18°17'10	6♉21	7° 2	13°49	18° 6	6°38	29°29	28°23	29°35	0°41	9°20	8°59	18°38	n.a.	S 14
M15	11 9 17	19°15'44	18°14	7°37	15° 1	18°13	6°31	29°25	28°25	29°36	0°43	9°19	8°55	18°44	n.a.	M15
T 16	11 13 13	20°14'16	0♊ 6	8° 5	16°12	18°21	6°23	29°20	28°27	29°37	0°44	9°18	8°52	18°51	n.a.	T 16
W17	11 17 10	21°12'46	12° 1	8°27	17°24	18°30	6°16	29°16	28°28	29°38	0°46	9°17	8°49	18°58	n.a.	W17
T 18	11 21 7	22°11'14	24° 1	8°43	18°36	18°39	6° 9	29°11	28°30	29°39	0°47	9°D17	8°46	19° 5	n.a.	T 18
F 19	11 25 3	23° 9'39	6♋14	8°53	19°48	18°49	6° 2	29° 7	28°32	29°41	0°48	9°17	8°43	19°11	n.a.	F 19
S 20	11 29 0	24° 8'02	18°41	8°R57	21° 0	18°59	5°54	29° 2	28°34	29°42	0°50	9°18	8°40	19°18	n.a.	S 20
S 21	11 32 56	25° 6'23	1♌29	8°55	22°12	19°10	5°48	28°58	28°36	29°43	0°51	9°19	8°36	19°25	n.a.	S 21
M22	11 36 53	26° 4'42	14°39	8°47	23°24	19°22	5°41	28°53	28°38	29°44	0°53	9°21	8°33	19°31	n.a.	M22
T 23	11 40 49	27° 2'59	28°13	8°34	24°36	19°34	5°34	28°49	28°40	29°45	0°54	9°22	8°30	19°38	n.a.	T 23
W24	11 44 46	28° 1'13	12♍12	8°16	25°48	19°46	5°27	28°44	28°42	29°46	0°55	9°R22	8°27	19°45	n.a.	W24
T 25	11 48 42	28°59'26	26°32	7°53	27° 0	19°59	5°21	28°40	28°44	29°48	0°57	9°21	8°24	19°52	n.a.	T 25
F 26	11 52 39	29°57'37	11♎ 9	7°27	28°12	20°13	5°14	28°35	28°47	29°49	0°58	9°19	8°20	19°58	n.a.	F 26
S 27	11 56 35	0♈55'45	25°56	6°56	29°24	20°27	5° 8	28°31	28°49	29°50	0°59	9°17	8°17	20° 5	n.a.	S 27
S 28	12 0 32	1°53'53	10♏46	6°23	0♓36	20°42	5° 1	28°26	28°51	29°52	1° 1	9°14	8°14	20°12	n.a.	S 28
M29	12 4 29	2°51'58	25°30	5°47	1°48	20°57	4°55	28°22	28°53	29°53	1° 2	9°11	8°11	20°18	n.a.	M29
T 30	12 8 25	3°50'02	10♐ 4	5°10	3° 0	21°13	4°49	28°17	28°56	29°54	1° 3	9° 9	8° 8	20°25	n.a.	T 30
W31	12 12 22	4♈48'05	24♐21	4♈31	4♓12	21♋29	4♍43	28♍13	28♉58	29♉56	1♓ 5	9♍ 7	8♍ 5	20♉32	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
M 1	9s36	11s58	4n49	2s46	0n58	21s 0	0s14	26n17	3n44	10n11	1n45	2n26	2n49	19n58	0s 1	18n56	1s23	26s27	16s 8	8n 9		8n 3		12n37			n.a.
T 2	9 14	15 12	5 12	1 53	1 10	20 48	0 18	26 15	3 42	10 14	1 45	2 27	2 49	19 59	0 1	18 56	1 23	26 27	16 8	8 9		8 4		12 38			n.a.
W 3	8 52	17 29	5 16	1 2	1 22	20 36	0 21	26 13	3 40	10 17	1 45	2 29	2 49	19 59	0 1	18 56	1 23	26 26	16 8	8 9		8 5		12 40			n.a.
T 4	8 29	18 42	5 1	0 13	1 34	20 23	0 24	26 11	3 38	10 20	1 45	2 31	2 50	19 59	0 1	18 57	1 23	26 26	16 8	8 9		8 6		12 41			n.a.
F 5	8 7	18 46	4 29	0n34	1 46	20 10	0 27	26 8	3 35	10 23	1 45	2 32	2 50	19 59	0 1	18 57	1 23	26 25	16 8	8 9		8 7		12 43			n.a.
S 6	7 44	17 45	3 42	1 19	1 57	19 56	0 30	26 6	3 33	10 25	1 45	2 34	2 50	20 0	0 1	18 57	1 23	26 25	16 8	8 9		8 9		12 45			n.a.
S 7	7 22	15 45	2 43	2 2	2 8	19 41	0 33	26 3	3 31	10 28	1 45	2 36	2 50	20 0	0 1	18 57	1 22	26 24	16 8	8 9		8 10		12 46			n.a.
M 8	6 59	12 56	1 37	2 42	2 18	19 26	0 36	26 1	3 28	10 31	1 45	2 38	2 50	20 0	0 1	18 57	1 22	26 24	16 8	8 9		8 11		12 48			n.a.
T 9	6 36	9 31	0 26	3 19	2 28	19 10	0 39	25 58	3 26	10 34	1 45	2 40	2 50	20 1	0 1	18 58	1 22	26 23	16 8	8 9		8 12		12 49			n.a.
W10	6 14	5 43	0s44	3 53	2 37	18 54	0 42	25 55	3 24	10 37	1 45	2 41	2 50	20 1	0 1	18 58	1 22	26 23	16 8	8 9		8 13		12 51			n.a.
T 11	5 51	1 44	1 51	4 24	2 45	18 37	0 45	25 52	3 22	10 40	1 45	2 43	2 50	20 1	0 1	18 58	1 22	26 22	16 8	8 9		8 15		12 52			n.a.
F 12	5 28	2n15	2 52	4 52	2 52	18 20	0 47	25 49	3 19	10 43	1 45	2 45	2 50	20 2	0 1	18 58	1 22	26 22	16 8	8 9		8 16		12 54			n.a.
S 13	5 4	6 5	3 44	5 17	2 59	18 2	0 50	25 46	3 17	10 46	1 45	2 47	2 51	20 2	0 1	18 59	1 22	26 21	16 9	8 10		8 17		12 55			n.a.
S 14	4 41	9 38	4 26	5 38	3 4	17 44	0 53	25 43	3 15	10 48	1 45	2 49	2 51	20 2	0 1	18 59	1 22	26 21	16 9	8 10		8 18		12 57			n.a.
M15	4 18	12 45	4 55	5 56	3 8	17 25	0 55	25 40	3 13	10 51	1 45	2 50	2 51	20 3	0 1	18 59	1 22	26 21	16 9	8 11		8 20		12 58			n.a.
T 16	3 55	15 20	5 12	6 10	3 11	17 6	0 58	25 37	3 11	10 54	1 44	2 52	2 51	20 3	0 1	18 59	1 22	26 20	16 9	8 11		8 21		13 0			n.a.
W17	3 32	17 18	5 16	6 21	3 13	16 46	1 0	25 33	3 8	10 56	1 44	2 54	2 51	20 4	0 1	19 0	1 22	26 20	16 9	8 11		8 22		13 1			n.a.
T 18	3 8	18 31	5 6	6 28	3 14	16 26	1 2	25 30	3 6	10 59	1 44	2 56	2 51	20 4	0 1	19 0	1 22	26 19	16 9	8 11		8 23		13 3			n.a.
F 19	2 45	18 54	4 42	6 31	3 14	16 5	1 5	25 26	3 4	11 2	1 44	2 58	2 51	20 5	0 1	19 0	1 22	26 19	16 9	8 11		8 24		13 4			n.a.
S 20	2 22	18 23	4 5	6 31	3 12	15 44	1 7	25 23	3 2	11 4	1 44	3 0	2 51	20 5	0 1	19 1	1 22	26 18	16 9	8 11		8 26		13 6			n.a.
S 21	1 58	16 55	3 14	6 27	3 9	15 22	1 9	25 19	3 0	11 7	1 44	3 1	2 51	20 5	0 1	19 1	1 22	26 18	16 10	8 10		8 27		13 8			n.a.
M22	1 35	14 32	2 12	6 20	3 4	15 0	1 11	25 15	2 58	11 9	1 44	3 3	2 51	20 6	0 1	19 1	1 22	26 18	16 10	8 10		8 28		13 9			n.a.
T 23	1 11	11 17	1 1	6 9	2 58	14 38	1 13	25 11	2 56	11 12	1 44	3 5	2 51	20 6	0 1	19 1	1 22	26 17	16 10	8 10		8 29		13 11			n.a.
W24	0 48	7 19	0n16	5 55	2 51	14 15	1 15	25 8	2 54	11 14	1 44	3 7	2 51	20 7	0 1	19 2	1 22	26 17	16 10	8 9		8 30		13 12			n.a.
T 25	0 24	2 49	1 33	5 38	2 42	13 52	1 17	25 4	2 52	11 16	1 44	3 9	2 51	20 7	0 1	19 2	1 22	26 17	16 10	8 10		8 32		13 14			n.a.
F 26	0 1	1s55	2 46	5 18	2 32	13 29	1 18	24 59	2 50	11 19	1 44	3 11	2 51	20 8	0 1	19 2	1 21	26 16	16 10	8 10		8 33		13 15			n.a.
S 27	0n22	6 35	3 49	4 56	2 20	13 5	1 20	24 55	2 47	11 21	1 43	3 12	2 51	20 8	0 1	19 3	1 21	26 16	16 11	8 11		8 34		13 17			n.a.
S 28	0 46	10 52	4 36	4 31	2 8	12 40	1 22	24 51	2 45	11 23	1 43	3 14	2 51	20 9	0 1	19 3	1 21	26 16	16 11	8 12		8 35		13 18			n.a.
M29	1 9	14 26	5 5	4 4	1 54	12 16	1 23	24 47	2 43	11 25	1 43	3 16	2 51	20 9	0 1	19 3	1 21	26 15	16 11	8 14		8 36		13 20			n.a.
T 30	1 33	17 4	5 14	3 36	1 40	11 51	1 25	24 42	2 42	11 27	1 43	3 18	2 51	20 10	0 1	19 4	1 21	26 15	16 11	8 14		8 38		13 21			n.a.
W31	1n56	18s34	5n 3	3n 6	1n24	11s26	1s26	24n38	2n40	11n29	1n43	3n20	2n51	20n10	0s 0	19n 4	1s21	26s15	16s11	8n15		8n39		13n23			n.a.

Julian Day Number = 1573921.5, Delta T = 04h15m50s
Ecliptic obliquity = 23°44'31, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'57, Lahiri = - 9°31'56 Julian Calendar 1 March 404 BCE == Greg. Calendar 24 Feb. 404 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

APRIL 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 16 18	5♈46'06	8♉21	3°R53	5♓24	21♋45	4°R38	28°R 9	29♉ 1	29♉57	1♓ 6	9°D 7	8♍ 1	20♉39	n.a.	T 1
F 2	12 20 15	6°44'06	22° 1	3♈14	6°36	22° 2	4♍32	28♍ 4	29° 3	29°59	1° 7	9♍ 8	7°58	20°45	n.a.	F 2
S 3	12 24 11	7°42'04	5♒22	2°37	7°49	22°20	4°26	28° 0	29° 6	0♊ 0	1° 8	9° 9	7°55	20°52	n.a.	S 3
S 4	12 28 8	8°40'01	18°28	2° 1	9° 1	22°38	4°21	27°55	29° 8	0° 2	1°10	9°11	7°52	20°59	n.a.	S 4
M 5	12 32 4	9°37'56	1♓18	1°28	10°13	22°56	4°16	27°51	29°11	0° 3	1°11	9°12	7°49	21° 5	n.a.	M 5
T 6	12 36 1	10°35'50	13°55	0°57	11°25	23°15	4°11	27°47	29°13	0° 5	1°12	9°R12	7°45	21°12	n.a.	T 6
W 7	12 39 58	11°33'42	26°21	0°30	12°38	23°34	4° 6	27°42	29°16	0° 6	1°13	9°11	7°42	21°19	n.a.	W 7
T 8	12 43 54	12°31'33	8♈37	0° 6	13°50	23°53	4° 1	27°38	29°19	0° 8	1°14	9° 8	7°39	21°26	n.a.	T 8
F 9	12 47 51	13°29'22	20°45	29♓46	15° 2	24°13	3°57	27°34	29°21	0°10	1°16	9° 3	7°36	21°32	n.a.	F 9
S 10	12 51 47	14°27'10	2♉46	29°31	16°14	24°33	3°52	27°29	29°24	0°11	1°17	8°57	7°33	21°39	n.a.	S 10
S 11	12 55 44	15°24'56	14°42	29°19	17°27	24°54	3°48	27°25	29°27	0°13	1°18	8°51	7°30	21°46	n.a.	S 11
M12	12 59 40	16°22'40	26°34	29°12	18°39	25°15	3°44	27°21	29°30	0°15	1°19	8°44	7°26	21°52	n.a.	M12
T 13	13 3 37	17°20'23	8♊26	29°D10	19°51	25°36	3°40	27°17	29°33	0°16	1°20	8°38	7°23	21°59	n.a.	T 13
W14	13 7 33	18°18'04	20°20	29°12	21° 4	25°58	3°36	27°13	29°35	0°18	1°21	8°33	7°20	22° 6	n.a.	W14
T 15	13 11 30	19°15'44	2♋19	29°19	22°16	26°20	3°32	27° 9	29°38	0°20	1°22	8°30	7°17	22°13	n.a.	T 15
F 16	13 15 27	20°13'22	14°29	29°31	23°29	26°43	3°29	27° 5	29°41	0°22	1°23	8°28	7°14	22°19	n.a.	F 16
S 17	13 19 23	21°10'58	26°53	29°47	24°41	27° 5	3°25	27° 1	29°44	0°24	1°24	8°D28	7°11	22°26	n.a.	S 17
S 18	13 23 20	22° 8'33	9♌36	0♈ 7	25°53	27°29	3°22	26°57	29°47	0°25	1°26	8°29	7° 7	22°33	n.a.	S 18
M19	13 27 16	23° 6'05	22°43	0°32	27° 6	27°52	3°19	26°53	29°50	0°27	1°27	8°31	7° 4	22°39	n.a.	M19
T 20	13 31 13	24° 3'37	6♍16	1° 1	28°18	28°16	3°16	26°50	29°53	0°29	1°28	8°R31	7° 1	22°46	n.a.	T 20
W21	13 35 9	25° 1'07	20°17	1°34	29°31	28°40	3°14	26°46	29°56	0°31	1°29	8°31	6°58	22°53	n.a.	W21
T 22	13 39 6	25°58'35	4♎45	2°11	0♈43	29° 4	3°11	26°42	29°59	0°33	1°29	8°28	6°55	23° 0	n.a.	T 22
F 23	13 43 2	26°56'02	19°36	2°52	1°56	29°29	3° 9	26°39	0♊ 3	0°35	1°30	8°24	6°51	23° 6	n.a.	F 23
S 24	13 46 59	27°53'28	4♏41	3°36	3° 8	29°53	3° 7	26°35	0° 6	0°37	1°31	8°18	6°48	23°13	n.a.	S 24
S 25	13 50 55	28°50'53	19°53	4°25	4°21	0♌19	3° 5	26°32	0° 9	0°39	1°32	8°10	6°45	23°20	n.a.	S 25
M26	13 54 52	29°48'16	5♐ 0	5°17	5°33	0°44	3° 3	26°28	0°12	0°41	1°33	8° 3	6°42	23°27	n.a.	M26
T 27	13 58 49	0♉45'39	19°52	6°12	6°46	1°10	3° 2	26°25	0°15	0°43	1°34	7°56	6°39	23°33	n.a.	T 27
W28	14 2 45	1°43'01	4♑24	7°11	7°58	1°36	3° 0	26°22	0°19	0°45	1°35	7°52	6°36	23°40	n.a.	W28
T 29	14 6 42	2°40'23	18°31	8°13	9°11	2° 2	2°59	26°18	0°22	0°47	1°36	7°49	6°32	23°47	n.a.	T 29
F 30	14 10 38	3♉37'43	2♒12	9♈18	10♈24	2♌28	2♍58	26♍15	0♊25	0♊49	1♓37	7°D48	6♍29	23♉53	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	2n19	18s55	4n34	2n36	1n 8	11s 0	1s27	24n33	2n38	11n31	1n43	3n21	2n51	20n11	0s 0	19n 4	1s21	26s14	16s12	8n15	8n40	13n24		n.a.
F 2	2 42	18 8	3 51	2 6	0 52	10 34	1 29	24 28	2 36	11 33	1 42	3 23	2 51	20 12	0 0	19 5	1 21	26 14	16 12	8 15	8 41	13 26		n.a.
S 3	3 6	16 20	2 55	1 35	0 35	10 8	1 30	24 24	2 34	11 35	1 42	3 25	2 51	20 12	0 0	19 5	1 21	26 14	16 12	8 14	8 42	13 27		n.a.
S 4	3 29	13 43	1 51	1 6	0 18	9 42	1 31	24 19	2 32	11 37	1 42	3 27	2 51	20 13	0 0	19 6	1 21	26 14	16 12	8 14	8 44	13 29		n.a.
M 5	3 52	10 29	0 43	0 37	0 1	9 15	1 32	24 14	2 30	11 39	1 42	3 28	2 51	20 13	0 0	19 6	1 21	26 13	16 12	8 13	8 45	13 30		n.a.
T 6	4 15	6 48	0s26	0 9	0s15	8 48	1 33	24 9	2 28	11 41	1 42	3 30	2 51	20 14	0 0	19 6	1 21	26 13	16 13	8 13	8 46	13 32		n.a.
W 7	4 38	2 53	1 32	0s17	0 32	8 21	1 34	24 3	2 26	11 42	1 42	3 32	2 51	20 14	0 0	19 7	1 21	26 13	16 13	8 14	8 47	13 33		n.a.
T 8	5 1	1n 7	2 34	0 41	0 48	7 53	1 35	23 58	2 24	11 44	1 41	3 33	2 51	20 15	0 0	19 7	1 21	26 13	16 13	8 15	8 48	13 35		n.a.
F 9	5 23	5 0	3 27	1 3	1 3	7 26	1 35	23 53	2 23	11 45	1 41	3 35	2 51	20 16	0 0	19 7	1 21	26 12	16 13	8 17	8 50	13 36		n.a.
S 10	5 46	8 40	4 11	1 23	1 18	6 58	1 36	23 47	2 21	11 47	1 41	3 37	2 50	20 16	0 0	19 8	1 21	26 12	16 14	8 19	8 51	13 38		n.a.
S 11	6 9	11 57	4 43	1 41	1 32	6 30	1 37	23 42	2 19	11 48	1 41	3 38	2 50	20 17	0 0	19 8	1 21	26 12	16 14	8 21	8 52	13 39		n.a.
M12	6 31	14 43	5 3	1 55	1 45	6 2	1 37	23 36	2 17	11 49	1 41	3 40	2 50	20 17	0 0	19 9	1 21	26 12	16 14	8 24	8 53	13 41		n.a.
T 13	6 53	16 53	5 10	2 8	1 58	5 33	1 37	23 30	2 16	11 51	1 40	3 41	2 50	20 18	0 0	19 9	1 21	26 12	16 14	8 26	8 54	13 42		n.a.
W14	7 16	18 20	5 4	2 17	2 9	5 5	1 38	23 25	2 14	11 52	1 40	3 43	2 50	20 19	0 0	19 9	1 21	26 11	16 15	8 28	8 56	13 44		n.a.
T 15	7 38	19 0	4 44	2 24	2 20	4 36	1 38	23 19	2 12	11 53	1 40	3 44	2 50	20 19	0 0	19 10	1 21	26 11	16 15	8 29	8 57	13 45		n.a.
F 16	8 0	18 47	4 11	2 29	2 29	4 7	1 38	23 13	2 10	11 54	1 40	3 46	2 50	20 20	0 0	19 10	1 21	26 11	16 15	8 30	8 58	13 46		n.a.
S 17	8 22	17 40	3 26	2 30	2 38	3 38	1 38	23 6	2 9	11 55	1 39	3 47	2 50	20 21	0 0	19 11	1 21	26 11	16 15	8 30	8 59	13 48		n.a.
S 18	8 44	15 40	2 30	2 29	2 46	3 9	1 38	23 0	2 7	11 56	1 39	3 49	2 50	20 21	0 0	19 11	1 21	26 11	16 16	8 29	9 0	13 49		n.a.
M19	9 5	12 47	1 25	2 26	2 53	2 40	1 38	22 54	2 5	11 57	1 39	3 50	2 50	20 22	0 0	19 12	1 20	26 11	16 16	8 29	9 2	13 51		n.a.
T 20	9 27	9 8	0 12	2 19	2 59	2 11	1 38	22 47	2 4	11 58	1 39	3 52	2 49	20 23	0 0	19 12	1 20	26 11	16 16	8 29	9 3	13 52		n.a.
W21	9 48	4 52	1n 3	2 11	3 4	1 42	1 38	22 41	2 2	11 58	1 38	3 53	2 49	20 23	0 0	19 12	1 20	26 11	16 17	8 29	9 4	13 54		n.a.
T 22	10 9	0 10	2 17	2 0	3 8	1 12	1 38	22 34	2 0	11 59	1 38	3 54	2 49	20 24	0 0	19 13	1 20	26 10	16 17	8 30	9 5	13 55		n.a.
F 23	10 30	4s38	3 23	1 46	3 12	0 43	1 38	22 27	1 59	12 0	1 38	3 56	2 49	20 25	0 0	19 13	1 20	26 10	16 17	8 31	9 6	13 57		n.a.
S 24	10 51	9 14	4 16	1 31	3 14	0 13	1 37	22 20	1 57	12 0	1 38	3 57	2 49	20 25	0 0	19 14	1 20	26 10	16 18	8 34	9 7	13 58		n.a.
S 25	11 12	13 15	4 51	1 13	3 16	0n16	1 37	22 13	1 56	12 1	1 37	3 58	2 49	20 26	0 0	19 14	1 20	26 10	16 18	8 37	9 9	14 0		n.a.
M26	11 33	16 23	5 6	0 53	3 17	0 46	1 36	22 6	1 54	12 1	1 37	3 59	2 48	20 27	0 0	19 15	1 20	26 10	16 18	8 39	9 10	14 1		n.a.
T 27	11 53	18 22	5 0	0 31	3 17	1 15	1 36	21 59	1 53	12 2	1 37	4 1	2 48	20 27	0 0	19 15	1 20	26 10	16 18	8 42	9 11	14 3		n.a.
W28	12 13	19 6	4 35	0 7	3 16	1 45	1 35	21 52	1 51	12 2	1 37	4 2	2 48	20 28	0 0	19 15	1 20	26 10	16 19	8 44	9 12	14 4		n.a.
T 29	12 33	18 36	3 53	0n19	3 15	2 15	1 34	21 44	1 50	12 2	1 36	4 3	2 48	20 29	0 0	19 16	1 20	26 10	16 19	8 45	9 13	14 6		n.a.
F 30	12n53	17s 1	2n59	0n47	3s13	2n44	1s33	21n37	1n48	12n 2	1n36	4n 4	2n48	20n30	0s 0	19n16	1s20	26s10	16s19	8n45	9n15	14n 7		n.a.

Julian Day Number = 1573952.5, Delta T = 04h15m49s
Ecliptic obliquity = 23°44'31, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'52, Lahiri = - 9°31'52 Julian Calendar 1 Apr. 404 BCE == Greg. Calendar 27 March 404 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

MAY 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 14 35	4♉35'03	15♒28	10♈27	11♈36	2♌55	2°R57	26°R12	0♊28	0♊51	1♓37	7♍48	6♍26	24♉ 0	n.a.	S 1
S 2	14 18 31	5°32'23	28°23	11°38	12°49	3°22	2♍57	26♍ 9	0°32	0°53	1°38	7°49	6°23	24° 7	n.a.	S 2
M 3	14 22 28	6°29'41	11♓ 1	12°52	14° 2	3°49	2°56	26° 6	0°35	0°55	1°39	7°R49	6°20	24°14	n.a.	M 3
T 4	14 26 24	7°26'59	23°24	14°10	15°14	4°17	2°56	26° 3	0°38	0°57	1°40	7°48	6°16	24°20	n.a.	T 4
W 5	14 30 21	8°24'16	5♈37	15°30	16°27	4°44	2°D56	26° 1	0°42	0°59	1°40	7°45	6°13	24°27	n.a.	W 5
T 6	14 34 18	9°21'33	17°41	16°53	17°40	5°12	2°56	25°58	0°45	1° 1	1°41	7°38	6°10	24°34	n.a.	T 6
F 7	14 38 14	10°18'48	29°40	18°19	18°52	5°41	2°56	25°55	0°49	1° 3	1°42	7°30	6° 7	24°40	n.a.	F 7
S 8	14 42 11	11°16'04	11♉35	19°48	20° 5	6° 9	2°57	25°53	0°52	1° 5	1°42	7°19	6° 4	24°47	n.a.	S 8
S 9	14 46 7	12°13'18	23°27	21°20	21°18	6°38	2°57	25°50	0°55	1° 7	1°43	7° 7	6° 1	24°54	n.a.	S 9
M10	14 50 4	13°10'32	5♊19	22°54	22°31	7° 6	2°58	25°48	0°59	1° 9	1°44	6°55	5°57	25° 1	n.a.	M10
T 11	14 54 0	14° 7'45	17°11	24°31	23°44	7°35	2°59	25°46	1° 2	1°12	1°44	6°44	5°54	25° 7	n.a.	T 11
W12	14 57 57	15° 4'57	29° 7	26°11	24°56	8° 5	3° 0	25°44	1° 6	1°14	1°45	6°34	5°51	25°14	n.a.	W12
T 13	15 1 53	16° 2'09	11♋ 8	27°54	26° 9	8°34	3° 1	25°42	1° 9	1°16	1°45	6°27	5°48	25°21	n.a.	T 13
F 14	15 5 50	16°59'19	23°18	29°39	27°22	9° 4	3° 3	25°40	1°13	1°18	1°46	6°22	5°45	25°27	n.a.	F 14
S 15	15 9 47	17°56'29	5♌40	1♉27	28°35	9°34	3° 5	25°38	1°16	1°20	1°46	6°20	5°42	25°34	n.a.	S 15
S 16	15 13 43	18°53'38	18°20	3°18	29°48	10° 4	3° 7	25°36	1°20	1°22	1°47	6°D19	5°38	25°41	n.a.	S 16
M17	15 17 40	19°50'47	1♍22	5°11	1♉ 1	10°34	3° 9	25°34	1°23	1°25	1°47	6°R19	5°35	25°48	n.a.	M17
T 18	15 21 36	20°47'54	14°48	7° 6	2°14	11° 4	3°11	25°32	1°27	1°27	1°48	6°19	5°32	25°54	n.a.	T 18
W19	15 25 33	21°45'01	28°44	9° 4	3°27	11°35	3°13	25°31	1°30	1°29	1°48	6°18	5°29	26° 1	n.a.	W19
T 20	15 29 29	22°42'08	13♎ 7	11° 4	4°40	12° 6	3°16	25°29	1°34	1°31	1°49	6°14	5°26	26° 8	n.a.	T 20
F 21	15 33 26	23°39'13	27°57	13° 6	5°53	12°37	3°18	25°28	1°38	1°33	1°49	6° 7	5°22	26°15	n.a.	F 21
S 22	15 37 23	24°36'19	13♏ 6	15°10	7° 6	13° 8	3°21	25°27	1°41	1°36	1°49	5°59	5°19	26°21	n.a.	S 22
S 23	15 41 19	25°33'24	28°26	17°16	8°19	13°39	3°24	25°26	1°45	1°38	1°50	5°49	5°16	26°28	n.a.	S 23
M24	15 45 16	26°30'29	13♐44	19°23	9°32	14°11	3°28	25°25	1°48	1°40	1°50	5°38	5°13	26°35	n.a.	M24
T 25	15 49 12	27°27'34	28°49	21°32	10°45	14°42	3°31	25°24	1°52	1°42	1°50	5°29	5°10	26°41	n.a.	T 25
W26	15 53 9	28°24'39	13♑34	23°41	11°58	15°14	3°35	25°23	1°55	1°45	1°51	5°21	5° 7	26°48	n.a.	W26
T 27	15 57 5	29°21'44	27°50	25°51	13°11	15°46	3°38	25°22	1°59	1°47	1°51	5°16	5° 3	26°55	n.a.	T 27
F 28	16 1 2	0♊18'49	11♒38	28° 2	14°24	16°18	3°42	25°21	2° 3	1°49	1°51	5°14	5° 0	27° 2	n.a.	F 28
S 29	16 4 58	1°15'54	24°58	0♊12	15°37	16°51	3°46	25°20	2° 6	1°51	1°51	5°13	4°57	27° 8	n.a.	S 29
S 30	16 8 55	2°12'59	7♓52	2°23	16°50	17°23	3°50	25°20	2°10	1°54	1°52	5°13	4°54	27°15	n.a.	S 30
M31	16 12 52	3♊10'05	20♓26	4♊33	18♉ 3	17♌56	3♍55	25♍20	2♊13	1♊56	1♓52	5♍12	4♍51	27♉22	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	13n13	14s32	1n57	1n17	3s10	3n14	1s33	21n29	1n47	12n 2	1n36	4n 5	2n48	20n30	0s 0	19n17	1s20	26s10	16s20	8n45	9n16	14n 8		n.a.
S 2	13 32	11 24	0 50	1 48	3 6	3 43	1 32	21 21	1 45	12 2	1 36	4 6	2 47	20 31	0 0	19 17	1 20	26 10	16 20	8 45	9 17	14 10		n.a.
M 3	13 51	7 47	0s17	2 21	3 2	4 13	1 31	21 13	1 44	12 2	1 35	4 7	2 47	20 32	0 0	19 18	1 20	26 10	16 20	8 45	9 18	14 11		n.a.
T 4	14 10	3 55	1 22	2 56	2 57	4 42	1 30	21 5	1 42	12 2	1 35	4 8	2 47	20 32	0 0	19 18	1 20	26 10	16 21	8 45	9 19	14 13		n.a.
W 5	14 29	0n 5	2 23	3 32	2 52	5 11	1 29	20 57	1 41	12 2	1 35	4 9	2 47	20 33	0 0	19 19	1 20	26 10	16 21	8 46	9 21	14 14		n.a.
T 6	14 48	4 1	3 16	4 10	2 46	5 40	1 27	20 49	1 39	12 1	1 35	4 10	2 47	20 34	0 0	19 19	1 20	26 10	16 21	8 49	9 22	14 16		n.a.
F 7	15 6	7 46	4 0	4 49	2 39	6 9	1 26	20 40	1 38	12 1	1 34	4 11	2 46	20 35	0 0	19 20	1 20	26 10	16 22	8 52	9 23	14 17		n.a.
S 8	15 24	11 10	4 33	5 30	2 32	6 38	1 25	20 32	1 36	12 1	1 34	4 12	2 46	20 35	0 0	19 20	1 20	26 10	16 22	8 56	9 24	14 19		n.a.
S 9	15 42	14 8	4 54	6 11	2 25	7 7	1 24	20 23	1 35	12 0	1 34	4 12	2 46	20 36	0 0	19 20	1 20	26 10	16 22	9 0	9 25	14 20		n.a.
M10	15 59	16 30	5 2	6 54	2 16	7 36	1 22	20 14	1 34	12 0	1 34	4 13	2 46	20 37	0 0	19 21	1 20	26 10	16 23	9 5	9 26	14 21		n.a.
T 11	16 17	18 11	4 57	7 38	2 8	8 4	1 21	20 5	1 32	11 59	1 33	4 14	2 46	20 37	0 0	19 21	1 20	26 11	16 23	9 9	9 28	14 23		n.a.
W12	16 34	19 5	4 39	8 24	1 59	8 33	1 19	19 56	1 31	11 58	1 33	4 15	2 45	20 38	0 0	19 22	1 20	26 11	16 24	9 13	9 29	14 24		n.a.
T 13	16 51	19 8	4 9	9 10	1 49	9 1	1 18	19 47	1 30	11 58	1 33	4 15	2 45	20 39	0 0	19 22	1 20	26 11	16 24	9 15	9 30	14 26		n.a.
F 14	17 7	18 18	3 27	9 56	1 39	9 29	1 16	19 38	1 28	11 57	1 32	4 16	2 45	20 40	0 0	19 23	1 20	26 11	16 24	9 17	9 31	14 27		n.a.
S 15	17 24	16 35	2 35	10 44	1 29	9 57	1 14	19 29	1 27	11 56	1 32	4 16	2 45	20 40	0 0	19 23	1 20	26 11	16 25	9 18	9 32	14 29		n.a.
S 16	17 40	14 2	1 34	11 32	1 19	10 24	1 13	19 19	1 26	11 55	1 32	4 17	2 45	20 41	0 0	19 24	1 20	26 11	16 25	9 18	9 34	14 30		n.a.
M17	17 55	10 43	0 26	12 21	1 8	10 52	1 11	19 10	1 24	11 54	1 32	4 17	2 44	20 42	0 0	19 24	1 20	26 11	16 25	9 18	9 35	14 31		n.a.
T 18	18 11	6 45	0n45	13 10	0 57	11 19	1 9	19 0	1 23	11 53	1 31	4 18	2 44	20 43	0 0	19 25	1 20	26 12	16 26	9 18	9 36	14 33		n.a.
W19	18 26	2 17	1 56	13 58	0 46	11 46	1 7	18 50	1 22	11 52	1 31	4 18	2 44	20 43	0 0	19 25	1 20	26 12	16 26	9 19	9 37	14 34		n.a.
T 20	18 41	2s28	3 2	14 47	0 35	12 13	1 6	18 40	1 20	11 51	1 31	4 19	2 44	20 44	0 0	19 26	1 20	26 12	16 26	9 20	9 38	14 36		n.a.
F 21	18 55	7 11	3 57	15 36	0 24	12 39	1 4	18 30	1 19	11 50	1 31	4 19	2 43	20 45	0 0	19 26	1 20	26 12	16 27	9 23	9 39	14 37		n.a.
S 22	19 10	11 34	4 38	16 24	0 12	13 5	1 2	18 20	1 18	11 48	1 30	4 19	2 43	20 46	0 0	19 27	1 20	26 12	16 27	9 26	9 41	14 38		n.a.
S 23	19 24	15 13	4 58	17 11	0 1	13 31	1 0	18 9	1 17	11 47	1 30	4 20	2 43	20 46	0n 0	19 27	1 20	26 12	16 28	9 30	9 42	14 40		n.a.
M24	19 37	17 48	4 58	17 57	0n 9	13 56	0 58	17 59	1 15	11 45	1 30	4 20	2 43	20 47	0 0	19 27	1 20	26 13	16 28	9 34	9 43	14 41		n.a.
T 25	19 50	19 8	4 37	18 42	0 20	14 21	0 56	17 48	1 14	11 44	1 30	4 20	2 42	20 48	0 0	19 28	1 20	26 13	16 28	9 37	9 44	14 43		n.a.
W26	20 3	19 7	3 57	19 25	0 30	14 46	0 53	17 38	1 13	11 42	1 29	4 20	2 42	20 49	0 0	19 28	1 20	26 13	16 29	9 40	9 45	14 44		n.a.
T 27	20 16	17 51	3 4	20 7	0 40	15 11	0 51	17 27	1 12	11 41	1 29	4 20	2 42	20 49	0 0	19 29	1 20	26 13	16 29	9 42	9 47	14 45		n.a.
F 28	20 28	15 34	2 1	20 47	0 50	15 35	0 49	17 16	1 10	11 39	1 29	4 20	2 42	20 50	0 0	19 29	1 20	26 14	16 29	9 43	9 48	14 47		n.a.
S 29	20 40	12 31	0 54	21 24	0 59	15 58	0 47	17 5	1 9	11 37	1 29	4 20	2 41	20 51	0 0	19 30	1 20	26 14	16 30	9 43	9 49	14 48		n.a.
S 30	20 52	8 57	0s14	22 0	1 7	16 22	0 45	16 54	1 8	11 36	1 28	4 20	2 41	20 51	0 0	19 30	1 20	26 14	16 30	9 43	9 50	14 50		n.a.
M31	21n 3	5s 3	1s20	22n32	1n15	16n45	0s43	16n42	1n 7	11n34	1n28	4n20	2n41	20n52	0n 0	19n31	1s20	26s15	16s31	9n43	9n51	14n51		n.a.

Julian Day Number = 1573982.5, Delta T = 04h15m48s
Ecliptic obliquity = 23°44'31, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'48, Lahiri = - 9°31'48 Julian Calendar 1 May 404 BCE == Greg. Calendar 26 Apr. 404 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

JUNE 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 16 48	4♊ 7'11	2♈43	6♊42	19♉17	18♌29	3♍59	25°R19	2♊17	1♊58	1♓52	5°R10	4♍48	27♉29	n.a.	T 1
W 2	16 20 45	5° 4'18	14°49	8°51	20°30	19° 2	4° 4	25♍19	2°21	2° 0	1°52	5♍ 6	4°44	27°35	n.a.	W 2
T 3	16 24 41	6° 1'24	26°47	10°59	21°43	19°35	4° 9	25°19	2°24	2° 2	1°52	4°59	4°41	27°42	n.a.	T 3
F 4	16 28 38	6°58'32	8♉40	13° 5	22°56	20° 8	4°14	25°D19	2°28	2° 5	1°52	4°49	4°38	27°49	n.a.	F 4
S 5	16 32 34	7°55'39	20°32	15°10	24°10	20°41	4°19	25°19	2°31	2° 7	1°52	4°37	4°35	27°55	n.a.	S 5
S 6	16 36 31	8°52'47	2♊23	17°13	25°23	21°15	4°24	25°19	2°35	2° 9	1°52	4°24	4°32	28° 2	n.a.	S 6
M 7	16 40 27	9°49'55	14°17	19°15	26°36	21°48	4°30	25°19	2°38	2°11	1°R52	4°10	4°28	28° 9	n.a.	M 7
T 8	16 44 24	10°47'03	26°13	21°15	27°50	22°22	4°35	25°20	2°42	2°14	1°52	3°57	4°25	28°16	n.a.	T 8
W 9	16 48 21	11°44'12	8♋14	23°14	29° 3	22°56	4°41	25°20	2°46	2°16	1°52	3°45	4°22	28°22	n.a.	W 9
T 10	16 52 17	12°41'20	20°21	25°10	0♊16	23°30	4°47	25°21	2°49	2°18	1°52	3°37	4°19	28°29	n.a.	T 10
F 11	16 56 14	13°38'29	2♌37	27° 5	1°30	24° 5	4°53	25°21	2°53	2°20	1°52	3°31	4°16	28°36	n.a.	F 11
S 12	17 0 10	14°35'39	15° 4	28°58	2°43	24°39	4°59	25°22	2°56	2°22	1°52	3°27	4°13	28°42	n.a.	S 12
S 13	17 4 7	15°32'48	27°46	0♋49	3°57	25°14	5° 5	25°23	3° 0	2°25	1°52	3°26	4° 9	28°49	n.a.	S 13
M14	17 8 3	16°29'58	10♍46	2°38	5°10	25°48	5°12	25°24	3° 3	2°27	1°52	3°26	4° 6	28°56	n.a.	M14
T 15	17 12 0	17°27'07	24° 8	4°26	6°24	26°23	5°18	25°25	3° 7	2°29	1°52	3°26	4° 3	29° 3	n.a.	T 15
W16	17 15 56	18°24'17	7♎55	6°11	7°37	26°58	5°25	25°26	3°10	2°31	1°51	3°25	4° 0	29° 9	n.a.	W16
T 17	17 19 53	19°21'28	22° 8	7°55	8°51	27°33	5°32	25°27	3°14	2°33	1°51	3°22	3°57	29°16	n.a.	T 17
F 18	17 23 50	20°18'38	6♏46	9°37	10° 4	28° 8	5°39	25°28	3°17	2°35	1°51	3°16	3°54	29°23	n.a.	F 18
S 19	17 27 46	21°15'49	21°44	11°17	11°18	28°44	5°46	25°30	3°21	2°38	1°51	3° 8	3°50	29°30	n.a.	S 19
S 20	17 31 43	22°13'01	6♐56	12°55	12°32	29°19	5°53	25°31	3°24	2°40	1°50	2°59	3°47	29°36	n.a.	S 20
M21	17 35 39	23°10'14	22° 9	14°32	13°45	29°55	6° 1	25°33	3°28	2°42	1°50	2°49	3°44	29°43	n.a.	M21
T 22	17 39 36	24° 7'27	7♑14	16° 6	14°59	0♍30	6° 8	25°35	3°31	2°44	1°50	2°40	3°41	29°50	n.a.	T 22
W23	17 43 32	25° 4'41	22° 2	17°39	16°13	1° 6	6°16	25°36	3°35	2°46	1°49	2°32	3°38	29°56	n.a.	W23
T 24	17 47 29	26° 1'56	6♒24	19° 9	17°26	1°42	6°24	25°38	3°38	2°48	1°49	2°28	3°34	0♊ 3	n.a.	T 24
F 25	17 51 26	26°59'12	20°17	20°38	18°40	2°18	6°31	25°40	3°41	2°50	1°49	2°25	3°31	0°10	n.a.	F 25
S 26	17 55 22	27°56'29	3♓42	22° 5	19°54	2°54	6°39	25°42	3°45	2°52	1°48	2°D25	3°28	0°17	n.a.	S 26
S 27	17 59 19	28°53'47	16°41	23°30	21° 8	3°30	6°48	25°45	3°48	2°54	1°48	2°25	3°25	0°23	n.a.	S 27
M28	18 3 15	29°51'06	29°17	24°54	22°21	4° 7	6°56	25°47	3°51	2°56	1°47	2°R25	3°22	0°30	n.a.	M28
T 29	18 7 12	0♋48'27	11♈34	26°15	23°35	4°43	7° 4	25°49	3°55	2°58	1°47	2°25	3°19	0°37	n.a.	T 29
W30	18 11 8	1♋45'48	23♈39	27♋34	24♊49	5♍20	7♍13	25♍52	3♊58	3♊ 0	1♓47	2♍22	3♍15	0♊44	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n14	1s 2	2s20	23n 3	1n22	17n 7	0s40	16n31	1n 6	11n32	1n28	4n20	2n41	20n53	0n 0	19n31	1s20	26s15	16s31	9n44	9n52	14n52		n.a.
W 2	21 25	2n57	3 13	23 30	1 28	17 29	0 38	16 20	1 4	11 30	1 28	4 20	2 40	20 54	0 0	19 32	1 20	26 15	16 31	9 46	9 54	14 54		n.a.
T 3	21 35	6 47	3 57	23 55	1 34	17 51	0 36	16 8	1 3	11 28	1 27	4 20	2 40	20 54	0 0	19 32	1 20	26 15	16 32	9 48	9 55	14 55		n.a.
F 4	21 45	10 19	4 30	24 18	1 39	18 12	0 33	15 56	1 2	11 26	1 27	4 20	2 40	20 55	0 0	19 32	1 19	26 16	16 32	9 52	9 56	14 57		n.a.
S 5	21 54	13 26	4 51	24 37	1 43	18 33	0 31	15 44	1 1	11 24	1 27	4 19	2 40	20 56	0 0	19 33	1 19	26 16	16 32	9 56	9 57	14 58		n.a.
S 6	22 4	16 0	4 59	24 54	1 47	18 53	0 29	15 32	1 0	11 21	1 27	4 19	2 39	20 57	0 0	19 33	1 19	26 16	16 33	10 1	9 58	14 59		n.a.
M 7	22 12	17 55	4 55	25 8	1 50	19 13	0 26	15 20	0 59	11 19	1 26	4 19	2 39	20 57	0 0	19 34	1 19	26 17	16 33	10 6	9 59	15 1		n.a.
T 8	22 21	19 4	4 38	25 19	1 52	19 32	0 24	15 8	0 57	11 17	1 26	4 18	2 39	20 58	0 0	19 34	1 19	26 17	16 34	10 11	10 1	15 2		n.a.
W 9	22 29	19 21	4 8	25 28	1 54	19 51	0 21	14 56	0 56	11 15	1 26	4 18	2 39	20 59	0 0	19 35	1 19	26 17	16 34	10 15	10 2	15 3		n.a.
T 10	22 36	18 46	3 27	25 34	1 55	20 9	0 19	14 43	0 55	11 12	1 26	4 17	2 38	20 59	0 0	19 35	1 19	26 18	16 34	10 19	10 3	15 5		n.a.
F 11	22 44	17 18	2 35	25 37	1 55	20 27	0 17	14 31	0 54	11 10	1 25	4 17	2 38	21 0	0 0	19 36	1 19	26 18	16 35	10 21	10 4	15 6		n.a.
S 12	22 50	15 0	1 36	25 39	1 55	20 44	0 14	14 18	0 53	11 7	1 25	4 16	2 38	21 1	0 0	19 36	1 19	26 19	16 35	10 22	10 5	15 8		n.a.
S 13	22 57	11 56	0 30	25 38	1 54	21 1	0 12	14 5	0 52	11 5	1 25	4 16	2 38	21 1	0 0	19 36	1 19	26 19	16 35	10 22	10 6	15 9		n.a.
M14	23 3	8 13	0n39	25 35	1 52	21 17	0 9	13 52	0 51	11 2	1 25	4 15	2 37	21 2	0 0	19 37	1 19	26 19	16 36	10 22	10 8	15 10		n.a.
T 15	23 8	4 0	1 47	25 30	1 50	21 32	0 7	13 39	0 50	10 59	1 24	4 15	2 37	21 3	0 0	19 37	1 19	26 20	16 36	10 22	10 9	15 12		n.a.
W16	23 14	0s33	2 52	25 22	1 47	21 47	0 4	13 26	0 49	10 57	1 24	4 14	2 37	21 4	0 0	19 38	1 19	26 20	16 37	10 23	10 10	15 13		n.a.
T 17	23 19	5 12	3 48	25 14	1 44	22 1	0 2	13 13	0 47	10 54	1 24	4 13	2 37	21 4	0 0	19 38	1 19	26 21	16 37	10 24	10 11	15 14		n.a.
F 18	23 23	9 41	4 31	25 3	1 40	22 15	0n 0	13 0	0 46	10 51	1 24	4 12	2 36	21 5	0 0	19 39	1 19	26 21	16 37	10 26	10 12	15 16		n.a.
S 19	23 27	13 40	4 56	24 50	1 35	22 28	0 3	12 46	0 45	10 48	1 23	4 12	2 36	21 6	0 0	19 39	1 19	26 21	16 38	10 29	10 13	15 17		n.a.
S 20	23 31	16 47	5 1	24 36	1 31	22 40	0 5	12 33	0 44	10 45	1 23	4 11	2 36	21 6	0 0	19 39	1 19	26 22	16 38	10 32	10 15	15 18		n.a.
M21	23 34	18 46	4 45	24 21	1 25	22 52	0 8	12 19	0 43	10 42	1 23	4 10	2 36	21 7	0 0	19 40	1 20	26 22	16 38	10 36	10 16	15 20		n.a.
T 22	23 37	19 23	4 9	24 4	1 20	23 3	0 10	12 5	0 42	10 39	1 23	4 9	2 35	21 8	0 0	19 40	1 20	26 23	16 39	10 39	10 17	15 21		n.a.
W23	23 39	18 40	3 17	23 46	1 13	23 13	0 12	11 52	0 41	10 36	1 23	4 8	2 35	21 8	0 0	19 41	1 20	26 23	16 39	10 42	10 18	15 23		n.a.
T 24	23 41	16 45	2 14	23 27	1 7	23 23	0 15	11 38	0 40	10 33	1 22	4 7	2 35	21 9	0 0	19 41	1 20	26 24	16 39	10 44	10 19	15 24		n.a.
F 25	23 42	13 54	1 4	23 7	1 0	23 32	0 17	11 24	0 39	10 30	1 22	4 6	2 34	21 10	0 0	19 41	1 20	26 24	16 40	10 45	10 20	15 25		n.a.
S 26	23 44	10 23	0s 7	22 46	0 52	23 40	0 19	11 9	0 38	10 27	1 22	4 5	2 34	21 10	0 0	19 42	1 20	26 25	16 40	10 45	10 22	15 27		n.a.
S 27	23 44	6 29	1 15	22 24	0 44	23 48	0 22	10 55	0 37	10 24	1 22	4 4	2 34	21 11	0 0	19 42	1 20	26 25	16 40	10 45	10 23	15 28		n.a.
M28	23 44	2 24	2 18	22 1	0 36	23 55	0 24	10 41	0 36	10 20	1 22	4 3	2 34	21 12	0 0	19 43	1 20	26 26	16 41	10 45	10 24	15 29		n.a.
T 29	23 44	1n41	3 13	21 37	0 28	24 1	0 26	10 26	0 35	10 17	1 21	4 1	2 33	21 12	0 0	19 43	1 20	26 26	16 41	10 45	10 25	15 31		n.a.
W30	23n44	5n37	3s58	21n13	0n19	24n 7	0n29	10n12	0n34	10n14	1n21	4n 0	2n33	21n13	0n 0	19n43	1s20	26s26	16s41	10n46	10n26	15n32		n.a.

Julian Day Number = 1574013.5, Delta T = 04h15m47s
Ecliptic obliquity = 23°44'30, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'44, Lahiri = - 9°31'44 Julian Calendar 1 June 404 BCE == Greg. Calendar 27 May 404 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

JULY 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 15 5	2♋43'11	5♉35	28♋51	26♊ 3	5♍56	7♍21	25♍54	4♊ 1	3♊ 2	1°R46	2°R18	3♍12	0♊50	n.a.	T 1
F 2	18 19 1	3°40'36	17°27	0♌ 6	27°17	6°33	7°30	25°57	4° 4	3° 4	1♓45	2♍11	3° 9	0°57	n.a.	F 2
S 3	18 22 58	4°38'02	29°19	1°19	28°31	7°10	7°39	25°59	4° 8	3° 6	1°45	2° 2	3° 6	1° 4	n.a.	S 3
S 4	18 26 55	5°35'29	11♊12	2°29	29°45	7°47	7°48	26° 2	4°11	3° 8	1°44	1°52	3° 3	1°10	n.a.	S 4
M 5	18 30 51	6°32'57	23°10	3°37	0♋59	8°24	7°57	26° 5	4°14	3°10	1°44	1°41	2°59	1°17	n.a.	M 5
T 6	18 34 48	7°30'26	5♋13	4°43	2°13	9° 2	8° 6	26° 8	4°17	3°12	1°43	1°31	2°56	1°24	n.a.	T 6
W 7	18 38 44	8°27'57	17°24	5°46	3°27	9°39	8°15	26°11	4°20	3°14	1°43	1°23	2°53	1°31	n.a.	W 7
T 8	18 42 41	9°25'29	29°43	6°47	4°41	10°17	8°24	26°14	4°23	3°16	1°42	1°16	2°50	1°37	n.a.	T 8
F 9	18 46 37	10°23'02	12♌11	7°45	5°55	10°54	8°34	26°17	4°27	3°18	1°41	1°12	2°47	1°44	n.a.	F 9
S 10	18 50 34	11°20'36	24°51	8°40	7° 9	11°32	8°43	26°21	4°30	3°20	1°41	1°10	2°44	1°51	n.a.	S 10
S 11	18 54 30	12°18'12	7♍43	9°32	8°23	12°10	8°53	26°24	4°33	3°22	1°40	1°D10	2°40	1°57	n.a.	S 11
M12	18 58 27	13°15'48	20°50	10°21	9°38	12°48	9° 3	26°28	4°36	3°23	1°39	1°11	2°37	2° 4	n.a.	M12
T 13	19 2 24	14°13'26	4♎15	11° 6	10°52	13°26	9°12	26°31	4°39	3°25	1°38	1°12	2°34	2°11	n.a.	T 13
W14	19 6 20	15°11'04	17°58	11°48	12° 6	14° 4	9°22	26°35	4°41	3°27	1°38	1°R13	2°31	2°18	n.a.	W14
T 15	19 10 17	16° 8'44	2♏ 2	12°26	13°20	14°42	9°32	26°38	4°44	3°29	1°37	1°12	2°28	2°24	n.a.	T 15
F 16	19 14 13	17° 6'25	16°25	13° 1	14°34	15°21	9°42	26°42	4°47	3°31	1°36	1° 9	2°25	2°31	n.a.	F 16
S 17	19 18 10	18° 4'07	1♐ 5	13°31	15°49	15°59	9°53	26°46	4°50	3°32	1°35	1° 4	2°21	2°38	n.a.	S 17
S 18	19 22 6	19° 1'50	15°55	13°56	17° 3	16°38	10° 3	26°50	4°53	3°34	1°35	0°58	2°18	2°45	n.a.	S 18
M19	19 26 3	19°59'35	0♑50	14°17	18°17	17°16	10°13	26°54	4°56	3°36	1°34	0°52	2°15	2°51	n.a.	M19
T 20	19 29 59	20°57'21	15°39	14°34	19°31	17°55	10°24	26°58	4°59	3°37	1°33	0°46	2°12	2°58	n.a.	T 20
W21	19 33 56	21°55'09	0♒15	14°45	20°46	18°34	10°34	27° 2	5° 1	3°39	1°32	0°42	2° 9	3° 5	n.a.	W21
T 22	19 37 53	22°52'59	14°32	14°50	22° 0	19°13	10°45	27° 7	5° 4	3°41	1°31	0°39	2° 5	3°11	n.a.	T 22
F 23	19 41 49	23°50'50	28°24	14°R51	23°15	19°52	10°55	27°11	5° 7	3°42	1°30	0°D38	2° 2	3°18	n.a.	F 23
S 24	19 45 46	24°48'43	11♓51	14°45	24°29	20°31	11° 6	27°15	5° 9	3°44	1°29	0°39	1°59	3°25	n.a.	S 24
S 25	19 49 42	25°46'37	24°53	14°33	25°43	21°10	11°17	27°20	5°12	3°45	1°28	0°40	1°56	3°32	n.a.	S 25
M26	19 53 39	26°44'34	7♈32	14°16	26°58	21°49	11°28	27°24	5°14	3°47	1°27	0°42	1°53	3°38	n.a.	M26
T 27	19 57 35	27°42'33	19°53	13°53	28°12	22°29	11°39	27°29	5°17	3°48	1°27	0°43	1°50	3°45	n.a.	T 27
W28	20 1 32	28°40'33	2♉ 0	13°23	29°27	23° 8	11°50	27°34	5°19	3°50	1°26	0°R43	1°46	3°52	n.a.	W28
T 29	20 5 28	29°38'36	13°58	12°48	0♌41	23°48	12° 1	27°38	5°22	3°51	1°25	0°42	1°43	3°59	n.a.	T 29
F 30	20 9 25	0♌36'41	25°50	12° 7	1°56	24°28	12°12	27°43	5°24	3°52	1°24	0°40	1°40	4° 5	n.a.	F 30
S 31	20 13 22	1♌34'47	7♊43	11♌22	3♌10	25♍ 7	12♍24	27♍48	5♊27	3♊54	1♓23	0♍36	1♍37	4♊12	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
T 1	23n43	9n16	4s32	20n49	0n10	24n12	0n31	9n57	0n33	10n10	1n21	3n59	2n33	21n13	0n 0	19n44	1s20	26s27	16s42	10n47	10n27	15n33			n.a.
F 2	23 41	12 33	4 55	20 24	0 0	24 16	0 33	9 43	0 32	10 7	1 21	3 58	2 33	21 14	0 0	19 44	1 20	26 27	16 42	10 50	10 29	15 35			n.a.
S 3	23 40	15 18	5 4	19 58	0s 9	24 19	0 35	9 28	0 31	10 3	1 21	3 56	2 33	21 15	0 0	19 44	1 20	26 28	16 42	10 53	10 30	15 36			n.a.
S 4	23 37	17 27	5 0	19 33	0 19	24 22	0 37	9 13	0 30	10 0	1 20	3 55	2 32	21 15	0 0	19 45	1 20	26 29	16 43	10 57	10 31	15 37			n.a.
M 5	23 35	18 50	4 44	19 7	0 29	24 24	0 39	8 58	0 29	9 56	1 20	3 54	2 32	21 16	0 0	19 45	1 20	26 29	16 43	11 1	10 32	15 39			n.a.
T 6	23 32	19 24	4 14	18 41	0 40	24 25	0 41	8 43	0 28	9 52	1 20	3 52	2 32	21 17	0 0	19 46	1 20	26 30	16 43	11 4	10 33	15 40			n.a.
W 7	23 28	19 5	3 33	18 15	0 51	24 25	0 44	8 28	0 27	9 49	1 20	3 51	2 32	21 17	0 0	19 46	1 20	26 30	16 44	11 7	10 34	15 41			n.a.
T 8	23 24	17 51	2 41	17 49	1 1	24 25	0 46	8 12	0 26	9 45	1 20	3 49	2 31	21 18	0 0	19 46	1 20	26 31	16 44	11 10	10 36	15 42			n.a.
F 9	23 20	15 45	1 40	17 24	1 12	24 24	0 48	7 57	0 25	9 41	1 19	3 48	2 31	21 18	0 0	19 47	1 20	26 31	16 44	11 11	10 37	15 44			n.a.
S 10	23 15	12 52	0 34	16 59	1 24	24 22	0 49	7 42	0 24	9 37	1 19	3 46	2 31	21 19	0 0	19 47	1 20	26 32	16 45	11 12	10 38	15 45			n.a.
S 11	23 10	9 20	0n35	16 34	1 35	24 20	0 51	7 26	0 23	9 34	1 19	3 45	2 31	21 19	0 0	19 47	1 20	26 32	16 45	11 12	10 39	15 46			n.a.
M12	23 4	5 16	1 44	16 10	1 46	24 16	0 53	7 11	0 22	9 30	1 19	3 43	2 30	21 20	0 0	19 48	1 20	26 33	16 45	11 11	10 40	15 48			n.a.
T 13	22 58	0 52	2 49	15 46	1 58	24 12	0 55	6 55	0 21	9 26	1 19	3 42	2 30	21 21	0 0	19 48	1 20	26 33	16 46	11 11	10 41	15 49			n.a.
W14	22 52	3s40	3 46	15 24	2 9	24 8	0 57	6 39	0 20	9 22	1 19	3 40	2 30	21 21	0 0	19 48	1 20	26 34	16 46	11 11	10 43	15 50			n.a.
T 15	22 45	8 6	4 30	15 2	2 21	24 2	0 59	6 24	0 19	9 18	1 18	3 38	2 30	21 22	0 1	19 49	1 20	26 34	16 46	11 11	10 44	15 52			n.a.
F 16	22 38	12 11	4 59	14 41	2 32	23 56	1 0	6 8	0 18	9 14	1 18	3 36	2 29	21 22	0 1	19 49	1 20	26 35	16 46	11 12	10 45	15 53			n.a.
S 17	22 30	15 36	5 9	14 22	2 44	23 49	1 2	5 52	0 17	9 10	1 18	3 35	2 29	21 23	0 1	19 49	1 20	26 35	16 47	11 14	10 46	15 54			n.a.
S 18	22 22	18 2	4 59	14 4	2 55	23 41	1 3	5 36	0 16	9 6	1 18	3 33	2 29	21 23	0 1	19 49	1 20	26 36	16 47	11 16	10 47	15 55			n.a.
M19	22 14	19 16	4 28	13 47	3 6	23 33	1 5	5 20	0 16	9 2	1 18	3 31	2 29	21 24	0 1	19 50	1 20	26 37	16 47	11 18	10 48	15 57			n.a.
T 20	22 5	19 10	3 40	13 32	3 17	23 24	1 6	5 4	0 15	8 58	1 18	3 29	2 29	21 24	0 1	19 50	1 20	26 37	16 47	11 20	10 49	15 58			n.a.
W21	21 56	17 47	2 38	13 19	3 27	23 14	1 8	4 47	0 14	8 53	1 17	3 27	2 28	21 25	0 1	19 50	1 20	26 38	16 48	11 22	10 51	15 59			n.a.
T 22	21 46	15 18	1 27	13 8	3 37	23 3	1 9	4 31	0 13	8 49	1 17	3 25	2 28	21 25	0 1	19 51	1 20	26 38	16 48	11 23	10 52	16 1			n.a.
F 23	21 36	11 59	0 12	12 59	3 47	22 52	1 11	4 15	0 12	8 45	1 17	3 23	2 28	21 26	0 1	19 51	1 20	26 39	16 48	11 23	10 53	16 2			n.a.
S 24	21 26	8 8	1s 1	12 52	3 55	22 40	1 12	3 58	0 11	8 41	1 17	3 22	2 28	21 26	0 1	19 51	1 20	26 39	16 48	11 23	10 54	16 3			n.a.
S 25	21 15	4 1	2 8	12 48	4 3	22 28	1 13	3 42	0 10	8 36	1 17	3 20	2 28	21 27	0 1	19 51	1 20	26 40	16 49	11 23	10 55	16 4			n.a.
M26	21 4	0n10	3 8	12 46	4 10	22 15	1 14	3 25	0 9	8 32	1 17	3 18	2 27	21 27	0 1	19 52	1 20	26 41	16 49	11 22	10 56	16 6			n.a.
T 27	20 53	4 13	3 57	12 47	4 16	22 1	1 15	3 9	0 8	8 28	1 17	3 16	2 27	21 28	0 1	19 52	1 20	26 41	16 49	11 22	10 57	16 7			n.a.
W28	20 41	8 2	4 34	12 51	4 21	21 46	1 16	2 52	0 7	8 23	1 16	3 13	2 27	21 28	0 1	19 52	1 20	26 42	16 49	11 21	10 59	16 8			n.a.
T 29	20 29	11 28	4 59	12 58	4 24	21 31	1 17	2 36	0 7	8 19	1 16	3 11	2 27	21 29	0 1	19 52	1 20	26 42	16 50	11 22	11 0	16 10			n.a.
F 30	20 16	14 25	5 11	13 7	4 26	21 15	1 18	2 19	0 6	8 14	1 16	3 9	2 27	21 29	0 1	19 53	1 20	26 43	16 50	11 23	11 1	16 11			n.a.
S 31	20n 4	16n46	5s10	13n20	4s26	20n59	1n19	2n 2	0n 5	8n10	1n16	3n 7	2n26	21n30	0n 1	19n53	1s20	26s43	16s50	11n24	11n 2	16n12			n.a.

Julian Day Number = 1574043.5, Delta T = 04h15m46s
Ecliptic obliquity = 23°44'30, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'40, Lahiri = - 9°31'40 Julian Calendar 1 July 404 BCE == Greg. Calendar 26 June 404 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

AUGUST 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 17 18	2♌32'56	19♊39	10°R31	4♌25	25♍47	12♍35	27♍53	5♊29	3♊55	1°R22	0°R32	1♍34	4♊19	n.a.	S 1
M 2	20 21 15	3°31'07	1♋42	9♌38	5°39	26°27	12°46	27°58	5°31	3°57	1♓21	0♍27	1°31	4°25	n.a.	M 2
T 3	20 25 11	4°29'20	13°53	8°41	6°54	27° 7	12°58	28° 3	5°33	3°58	1°19	0°22	1°27	4°32	n.a.	T 3
W 4	20 29 8	5°27'35	26°15	7°43	8° 9	27°47	13°10	28° 8	5°36	3°59	1°18	0°19	1°24	4°39	n.a.	W 4
T 5	20 33 4	6°25'52	8♌50	6°44	9°23	28°28	13°21	28°13	5°38	4° 0	1°17	0°16	1°21	4°46	n.a.	T 5
F 6	20 37 1	7°24'10	21°36	5°46	10°38	29° 8	13°33	28°19	5°40	4° 2	1°16	0°15	1°18	4°52	n.a.	F 6
S 7	20 40 57	8°22'31	4♍35	4°50	11°53	29°48	13°45	28°24	5°42	4° 3	1°15	0°D15	1°15	4°59	n.a.	S 7
S 8	20 44 54	9°20'53	17°47	3°58	13° 7	0♎29	13°56	28°29	5°44	4° 4	1°14	0°15	1°11	5° 6	n.a.	S 8
M 9	20 48 51	10°19'17	1♎12	3°10	14°22	1°10	14° 8	28°35	5°46	4° 5	1°13	0°17	1° 8	5°13	n.a.	M 9
T 10	20 52 47	11°17'43	14°50	2°28	15°37	1°50	14°20	28°40	5°48	4° 6	1°12	0°18	1° 5	5°19	n.a.	T 10
W11	20 56 44	12°16'10	28°41	1°53	16°51	2°31	14°32	28°46	5°50	4° 7	1°11	0°19	1° 2	5°26	n.a.	W11
T 12	21 0 40	13°14'39	12♏43	1°26	18° 6	3°12	14°44	28°52	5°52	4° 8	1°10	0°R19	0°59	5°33	n.a.	T 12
F 13	21 4 37	14°13'10	26°56	1° 8	19°21	3°53	14°56	28°57	5°54	4° 9	1° 9	0°19	0°56	5°39	n.a.	F 13
S 14	21 8 33	15°11'43	11♐17	0°58	20°36	4°34	15° 8	29° 3	5°55	4°10	1° 7	0°18	0°52	5°46	n.a.	S 14
S 15	21 12 30	16°10'17	25°44	0°D58	21°50	5°15	15°21	29° 9	5°57	4°11	1° 6	0°17	0°49	5°53	n.a.	S 15
M16	21 16 26	17° 8'53	10♑11	1° 7	23° 5	5°56	15°33	29°15	5°59	4°12	1° 5	0°15	0°46	6° 0	n.a.	M16
T 17	21 20 23	18° 7'32	24°34	1°25	24°20	6°38	15°45	29°20	6° 0	4°13	1° 4	0°13	0°43	6° 6	n.a.	T 17
W18	21 24 19	19° 6'12	8♒47	1°53	25°35	7°19	15°58	29°26	6° 2	4°14	1° 3	0°12	0°40	6°13	n.a.	W18
T 19	21 28 16	20° 4'54	22°46	2°30	26°49	8° 1	16°10	29°32	6° 3	4°15	1° 2	0°12	0°37	6°20	n.a.	T 19
F 20	21 32 13	21° 3'38	6♓26	3°16	28° 4	8°42	16°22	29°38	6° 5	4°16	1° 0	0°D12	0°33	6°26	n.a.	F 20
S 21	21 36 9	22° 2'24	19°46	4° 9	29°19	9°24	16°35	29°45	6° 6	4°16	0°59	0°12	0°30	6°33	n.a.	S 21
S 22	21 40 6	23° 1'12	2♈46	5°11	0♍34	10° 5	16°47	29°51	6° 8	4°17	0°58	0°13	0°27	6°40	n.a.	S 22
M23	21 44 2	24° 0'03	15°26	6°19	1°49	10°47	17° 0	29°57	6° 9	4°18	0°57	0°13	0°24	6°47	n.a.	M23
T 24	21 47 59	24°58'56	27°49	7°34	3° 4	11°29	17°12	0♎ 3	6°10	4°18	0°56	0°14	0°21	6°53	n.a.	T 24
W25	21 51 55	25°57'52	9♉57	8°54	4°18	12°11	17°25	0° 9	6°12	4°19	0°55	0°14	0°17	7° 0	n.a.	W25
T 26	21 55 52	26°56'50	21°57	10°19	5°33	12°53	17°38	0°16	6°13	4°20	0°53	0°15	0°14	7° 7	n.a.	T 26
F 27	21 59 48	27°55'50	3♊50	11°48	6°48	13°35	17°50	0°22	6°14	4°20	0°52	0°R15	0°11	7°14	n.a.	F 27
S 28	22 3 45	28°54'53	15°44	13°22	8° 3	14°17	18° 3	0°28	6°15	4°21	0°51	0°14	0° 8	7°20	n.a.	S 28
S 29	22 7 42	29°53'58	27°41	14°58	9°18	15° 0	18°16	0°35	6°16	4°21	0°50	0°D14	0° 5	7°27	n.a.	S 29
M30	22 11 38	0♍53'05	9♋46	16°37	10°33	15°42	18°29	0°41	6°17	4°22	0°49	0°14	0° 2	7°34	n.a.	M30
T 31	22 15 35	1♍52'15	22♋ 3	18♌18	11♍48	16♎25	18♍41	0♎48	6♊18	4♊22	0♓47	0♍15	29♌58	7♊40	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	19n50	18n25	4s56	13n35	4s24	20n42	1n20	1n45	0n 4	8n 5	1n16	3n 5	2n26	21n30	0n 1	19n53	1s20	26s44	16s50	11n26	11n 3	16n13			n.a.
M 2	19 37	19 16	4 28	13 53	4 20	20 24	1 21	1 28	0 3	8 1	1 16	3 3	2 26	21 30	0 1	19 53	1 20	26 44	16 50	11 27	11 4	16 15			n.a.
T 3	19 23	19 14	3 47	14 13	4 15	20 6	1 21	1 12	0 2	7 56	1 16	3 1	2 26	21 31	0 1	19 54	1 20	26 45	16 50	11 29	11 6	16 16			n.a.
W 4	19 9	18 17	2 56	14 35	4 7	19 47	1 22	0 55	0 1	7 51	1 16	2 58	2 26	21 31	0 1	19 54	1 20	26 46	16 51	11 30	11 7	16 17			n.a.
T 5	18 54	16 26	1 55	14 59	3 58	19 27	1 23	0 38	0 0	7 47	1 15	2 56	2 25	21 32	0 1	19 54	1 20	26 46	16 51	11 31	11 8	16 18			n.a.
F 6	18 39	13 44	0 47	15 25	3 46	19 7	1 23	0 21	0s 0	7 42	1 15	2 54	2 25	21 32	0 1	19 54	1 20	26 47	16 51	11 32	11 9	16 20			n.a.
S 7	18 24	10 19	0n24	15 51	3 33	18 47	1 24	0 4	0 1	7 38	1 15	2 51	2 25	21 32	0 1	19 54	1 20	26 47	16 51	11 32	11 10	16 21			n.a.
S 8	18 8	6 21	1 35	16 18	3 18	18 26	1 24	0s14	0 2	7 33	1 15	2 49	2 25	21 33	0 1	19 55	1 20	26 48	16 51	11 31	11 11	16 22			n.a.
M 9	17 53	2 0	2 43	16 44	3 2	18 4	1 24	0 31	0 3	7 28	1 15	2 47	2 25	21 33	0 1	19 55	1 21	26 48	16 51	11 31	11 12	16 23			n.a.
T 10	17 36	2s31	3 42	17 11	2 45	17 42	1 24	0 48	0 4	7 23	1 15	2 44	2 25	21 33	0 1	19 55	1 21	26 49	16 52	11 30	11 14	16 25			n.a.
W11	17 20	6 57	4 29	17 36	2 27	17 19	1 25	1 5	0 5	7 19	1 15	2 42	2 24	21 34	0 1	19 55	1 21	26 49	16 52	11 30	11 15	16 26			n.a.
T 12	17 3	11 4	5 1	18 0	2 8	16 56	1 25	1 22	0 5	7 14	1 15	2 40	2 24	21 34	0 1	19 55	1 21	26 50	16 52	11 30	11 16	16 27			n.a.
F 13	16 46	14 36	5 15	18 23	1 49	16 33	1 25	1 39	0 6	7 9	1 15	2 37	2 24	21 34	0 1	19 55	1 21	26 51	16 52	11 30	11 17	16 28			n.a.
S 14	16 29	17 18	5 10	18 44	1 30	16 9	1 25	1 57	0 7	7 4	1 14	2 35	2 24	21 35	0 1	19 56	1 21	26 51	16 52	11 30	11 18	16 30			n.a.
S 15	16 11	18 55	4 45	19 2	1 11	15 44	1 25	2 14	0 8	6 59	1 14	2 32	2 24	21 35	0 1	19 56	1 21	26 52	16 52	11 31	11 19	16 31			n.a.
M16	15 54	19 19	4 3	19 18	0 53	15 19	1 25	2 31	0 9	6 54	1 14	2 30	2 24	21 35	0 1	19 56	1 21	26 52	16 52	11 32	11 20	16 32			n.a.
T 17	15 35	18 27	3 5	19 32	0 35	14 54	1 24	2 48	0 9	6 49	1 14	2 27	2 24	21 36	0 1	19 56	1 21	26 53	16 52	11 32	11 21	16 33			n.a.
W18	15 17	16 26	1 56	19 42	0 18	14 28	1 24	3 6	0 10	6 44	1 14	2 25	2 23	21 36	0 1	19 56	1 21	26 53	16 53	11 32	11 23	16 34			n.a.
T 19	14 58	13 27	0 41	19 50	0 1	14 2	1 24	3 23	0 11	6 40	1 14	2 22	2 23	21 36	0 1	19 56	1 21	26 54	16 53	11 33	11 24	16 36			n.a.
F 20	14 39	9 48	0s35	19 54	0n14	13 36	1 23	3 40	0 12	6 35	1 14	2 20	2 23	21 37	0 1	19 56	1 21	26 54	16 53	11 33	11 25	16 37			n.a.
S 21	14 20	5 44	1 46	19 55	0 28	13 9	1 23	3 58	0 13	6 30	1 14	2 17	2 23	21 37	0 1	19 56	1 21	26 55	16 53	11 33	11 26	16 38			n.a.
S 22	14 1	1 30	2 51	19 53	0 41	12 42	1 22	4 15	0 13	6 25	1 14	2 15	2 23	21 37	0 1	19 57	1 21	26 55	16 53	11 32	11 27	16 39			n.a.
M23	13 41	2n41	3 45	19 47	0 53	12 14	1 22	4 32	0 14	6 20	1 14	2 12	2 23	21 37	0 1	19 57	1 21	26 56	16 53	11 32	11 28	16 40			n.a.
T 24	13 21	6 40	4 28	19 39	1 4	11 46	1 21	4 50	0 15	6 14	1 14	2 9	2 23	21 38	0 1	19 57	1 21	26 56	16 53	11 32	11 29	16 42			n.a.
W25	13 1	10 17	4 58	19 27	1 14	11 18	1 20	5 7	0 16	6 9	1 13	2 7	2 22	21 38	0 1	19 57	1 21	26 57	16 53	11 32	11 31	16 43			n.a.
T 26	12 41	13 26	5 14	19 12	1 23	10 49	1 20	5 24	0 16	6 4	1 13	2 4	2 22	21 38	0 1	19 57	1 21	26 57	16 53	11 32	11 32	16 44			n.a.
F 27	12 21	16 0	5 16	18 54	1 30	10 21	1 19	5 41	0 17	5 59	1 13	2 1	2 22	21 38	0 1	19 57	1 21	26 58	16 53	11 32	11 33	16 45			n.a.
S 28	12 0	17 54	5 6	18 33	1 36	9 51	1 18	5 59	0 18	5 54	1 13	1 59	2 22	21 38	0 1	19 57	1 21	26 58	16 53	11 32	11 34	16 46			n.a.
S 29	11 39	19 2	4 42	18 10	1 42	9 22	1 17	6 16	0 19	5 49	1 13	1 56	2 22	21 39	0 1	19 57	1 21	26 59	16 53	11 32	11 35	16 48			n.a.
M30	11 18	19 18	4 5	17 44	1 46	8 52	1 16	6 33	0 19	5 44	1 13	1 53	2 22	21 39	0 1	19 57	1 21	26 59	16 53	11 32	11 36	16 49			n.a.
T 31	10n57	18n41	3s16	17n16	1n49	8n23	1n15	6s50	0s20	5n39	1n13	1n51	2n22	21n39	0n 1	19n57	1s21	27s 0	16s53	11n32	11n37	16n50			n.a.

Julian Day Number = 1574074.5, Delta T = 04h15m45s
Ecliptic obliquity = 23°44'30, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'36, Lahiri = - 9°31'35 Julian Calendar 1 Aug. 404 BCE == Greg. Calendar 27 July 404 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

SEPTEMBER 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 19 31	2♍51'28	4♌35	20♌ 1	13♍ 3	17♎ 7	18♍54	0♎54	6♊19	4♊23	0°R46	0♍15	29♌55	7♊47	n.a.	W 1
T 2	22 23 28	3°50'42	17°23	21°46	14°17	17°50	19° 7	1° 1	6°20	4°23	0♓45	0°15	29°52	7°54	n.a.	T 2
F 3	22 27 24	4°49'59	0♍28	23°31	15°32	18°32	19°20	1° 7	6°21	4°23	0°44	0°R15	29°49	8° 1	n.a.	F 3
S 4	22 31 21	5°49'18	13°51	25°17	16°47	19°15	19°33	1°14	6°21	4°24	0°43	0°15	29°46	8° 7	n.a.	S 4
S 5	22 35 17	6°48'39	27°29	27° 3	18° 2	19°58	19°46	1°21	6°22	4°24	0°41	0°15	29°42	8°14	n.a.	S 5
M 6	22 39 14	7°48'02	11♎21	28°49	19°17	20°41	19°59	1°27	6°23	4°24	0°40	0°14	29°39	8°21	n.a.	M 6
T 7	22 43 10	8°47'27	25°23	0♍36	20°32	21°24	20°12	1°34	6°23	4°24	0°39	0°13	29°36	8°27	n.a.	T 7
W 8	22 47 7	9°46'54	9♏31	2°22	21°47	22° 7	20°25	1°41	6°24	4°24	0°38	0°12	29°33	8°34	n.a.	W 8
T 9	22 51 4	10°46'23	23°44	4° 8	23° 2	22°50	20°38	1°48	6°24	4°25	0°37	0°11	29°30	8°41	n.a.	T 9
F 10	22 55 0	11°45'54	7♐58	5°54	24°17	23°33	20°51	1°54	6°25	4°25	0°36	0°D10	29°27	8°48	n.a.	F 10
S 11	22 58 57	12°45'26	22°10	7°39	25°32	24°17	21° 4	2° 1	6°25	4°25	0°34	0°11	29°23	8°54	n.a.	S 11
S 12	23 2 53	13°45'01	6♑18	9°24	26°47	25° 0	21°17	2° 8	6°25	4°R25	0°33	0°11	29°20	9° 1	n.a.	S 12
M13	23 6 50	14°44'37	20°20	11° 9	28° 2	25°44	21°30	2°15	6°25	4°25	0°32	0°12	29°17	9° 8	n.a.	M13
T 14	23 10 46	15°44'15	4♒14	12°53	29°17	26°27	21°43	2°22	6°26	4°25	0°31	0°14	29°14	9°15	n.a.	T 14
W15	23 14 43	16°43'55	17°59	14°36	0♎31	27°11	21°57	2°29	6°26	4°25	0°30	0°14	29°11	9°21	n.a.	W15
T 16	23 18 39	17°43'37	1♓32	16°18	1°46	27°54	22°10	2°36	6°26	4°25	0°29	0°R15	29° 8	9°28	n.a.	T 16
F 17	23 22 36	18°43'21	14°51	18° 0	3° 1	28°38	22°23	2°43	6°R26	4°24	0°27	0°14	29° 4	9°35	n.a.	F 17
S 18	23 26 33	19°43'07	27°56	19°42	4°16	29°22	22°36	2°50	6°26	4°24	0°26	0°13	29° 1	9°41	n.a.	S 18
S 19	23 30 29	20°42'56	10♈46	21°23	5°31	0♏ 6	22°49	2°57	6°26	4°24	0°25	0°10	28°58	9°48	n.a.	S 19
M20	23 34 26	21°42'46	23°20	23° 3	6°46	0°50	23° 2	3° 4	6°26	4°24	0°24	0° 7	28°55	9°55	n.a.	M20
T 21	23 38 22	22°42'38	5♉41	24°42	8° 1	1°34	23°16	3°11	6°26	4°24	0°23	0° 3	28°52	10° 2	n.a.	T 21
W22	23 42 19	23°42'33	17°49	26°21	9°16	2°18	23°29	3°18	6°25	4°23	0°22	29♌59	28°48	10° 8	n.a.	W22
T 23	23 46 15	24°42'30	29°48	28° 0	10°31	3° 2	23°42	3°25	6°25	4°23	0°21	29°56	28°45	10°15	n.a.	T 23
F 24	23 50 12	25°42'30	11♊41	29°37	11°46	3°46	23°55	3°32	6°25	4°23	0°20	29°54	28°42	10°22	n.a.	F 24
S 25	23 54 8	26°42'32	23°33	1♎15	13° 1	4°30	24° 8	3°39	6°24	4°22	0°19	29°D53	28°39	10°28	n.a.	S 25
S 26	23 58 5	27°42'36	5♋29	2°51	14°15	5°15	24°21	3°46	6°24	4°22	0°18	29°54	28°36	10°35	n.a.	S 26
M27	0 2 1	28°42'42	17°33	4°28	15°30	5°59	24°35	3°53	6°23	4°21	0°17	29°55	28°33	10°42	n.a.	M27
T 28	0 5 58	29°42'50	29°50	6° 3	16°45	6°43	24°48	4° 0	6°23	4°21	0°16	29°56	28°29	10°49	n.a.	T 28
W29	0 9 55	0♎43'01	12♌25	7°39	18° 0	7°28	25° 1	4° 7	6°22	4°20	0°15	29°58	28°26	10°55	n.a.	W29
T 30	0 13 51	1♎43'14	25♌20	9♎13	19♎15	8♏13	25♍14	4♎14	6♊22	4♊20	0♓14	29°R59	28♌23	11♊ 2	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	10n35	17n 8	2s18	16n45	1n51	7n52	1n14	7s 8	0s21	5n34	1n13	1n48	2n22	21n39	0n 1	19n57	1s21	27s 0	16s53	11n32	11n39	16n51		n.a.
T 2	10 13	14 42	1 11	16 13	1 53	7 22	1 12	7 25	0 22	5 28	1 13	1 45	2 22	21 39	0 1	19 57	1 21	27 1	16 53	11 31	11 40	16 52		n.a.
F 3	9 52	11 28	0n 1	15 38	1 54	6 52	1 11	7 42	0 22	5 23	1 13	1 42	2 22	21 39	0 1	19 57	1 21	27 1	16 53	11 31	11 41	16 54		n.a.
S 4	9 30	7 35	1 15	15 2	1 54	6 21	1 10	7 59	0 23	5 18	1 13	1 40	2 21	21 40	0 1	19 57	1 21	27 1	16 53	11 31	11 42	16 55		n.a.
S 5	9 7	3 14	2 25	14 25	1 53	5 50	1 8	8 16	0 24	5 13	1 13	1 37	2 21	21 40	0 1	19 57	1 21	27 2	16 53	11 32	11 43	16 56		n.a.
M 6	8 45	1s21	3 29	13 47	1 52	5 19	1 7	8 33	0 24	5 8	1 13	1 34	2 21	21 40	0 1	19 57	1 22	27 2	16 53	11 32	11 44	16 57		n.a.
T 7	8 23	5 54	4 20	13 7	1 50	4 48	1 5	8 50	0 25	5 3	1 13	1 31	2 21	21 40	0 1	19 57	1 22	27 3	16 53	11 32	11 45	16 58		n.a.
W 8	8 0	10 10	4 56	12 26	1 48	4 17	1 4	9 7	0 26	4 57	1 13	1 29	2 21	21 40	0 1	19 57	1 22	27 3	16 53	11 33	11 46	16 59		n.a.
T 9	7 37	13 52	5 14	11 44	1 45	3 45	1 2	9 24	0 27	4 52	1 13	1 26	2 21	21 40	0 1	19 57	1 22	27 3	16 53	11 33	11 48	17 1		n.a.
F 10	7 14	16 45	5 14	11 2	1 41	3 14	1 1	9 41	0 27	4 47	1 13	1 23	2 21	21 40	0 1	19 57	1 22	27 4	16 53	11 33	11 49	17 2		n.a.
S 11	6 51	18 37	4 54	10 19	1 38	2 42	0 59	9 58	0 28	4 42	1 13	1 20	2 21	21 40	0 1	19 57	1 22	27 4	16 53	11 33	11 50	17 3		n.a.
S 12	6 28	19 20	4 16	9 35	1 34	2 10	0 57	10 14	0 29	4 36	1 13	1 17	2 21	21 40	0 1	19 57	1 22	27 5	16 53	11 33	11 51	17 4		n.a.
M13	6 5	18 50	3 23	8 51	1 29	1 38	0 55	10 31	0 29	4 31	1 13	1 15	2 21	21 40	0 1	19 57	1 22	27 5	16 53	11 32	11 52	17 5		n.a.
T 14	5 42	17 12	2 19	8 6	1 25	1 7	0 54	10 48	0 30	4 26	1 12	1 12	2 21	21 40	0 1	19 57	1 22	27 5	16 53	11 32	11 53	17 6		n.a.
W15	5 18	14 34	1 7	7 22	1 20	0 35	0 52	11 4	0 31	4 21	1 12	1 9	2 21	21 40	0 1	19 57	1 22	27 6	16 52	11 32	11 54	17 8		n.a.
T 16	4 55	11 11	0s 7	6 37	1 14	0 3	0 50	11 21	0 31	4 15	1 12	1 6	2 21	21 41	0 1	19 57	1 22	27 6	16 52	11 32	11 55	17 9		n.a.
F 17	4 31	7 16	1 20	5 51	1 9	0s29	0 48	11 37	0 32	4 10	1 12	1 3	2 20	21 41	0 1	19 57	1 22	27 6	16 52	11 32	11 57	17 10		n.a.
S 18	4 7	3 4	2 27	5 6	1 3	1 1	0 46	11 54	0 33	4 5	1 12	1 0	2 20	21 41	0 1	19 57	1 22	27 7	16 52	11 32	11 58	17 11		n.a.
S 19	3 43	1n11	3 25	4 20	0 57	1 33	0 44	12 10	0 33	3 59	1 12	0 57	2 20	21 41	0 1	19 57	1 22	27 7	16 52	11 33	11 59	17 12		n.a.
M20	3 20	5 17	4 12	3 35	0 52	2 5	0 42	12 26	0 34	3 54	1 12	0 55	2 20	21 41	0 1	19 57	1 22	27 7	16 52	11 34	12 0	17 13		n.a.
T 21	2 56	9 5	4 46	2 49	0 45	2 37	0 39	12 42	0 35	3 49	1 12	0 52	2 20	21 40	0 1	19 57	1 22	27 8	16 52	11 36	12 1	17 14		n.a.
W22	2 32	12 27	5 7	2 4	0 39	3 9	0 37	12 58	0 35	3 44	1 12	0 49	2 20	21 40	0 1	19 57	1 22	27 8	16 52	11 37	12 2	17 16		n.a.
T 23	2 8	15 15	5 14	1 19	0 33	3 41	0 35	13 14	0 36	3 38	1 12	0 46	2 20	21 40	0 1	19 57	1 22	27 8	16 51	11 38	12 3	17 17		n.a.
F 24	1 44	17 24	5 7	0 33	0 26	4 12	0 33	13 30	0 36	3 33	1 12	0 43	2 20	21 40	0 1	19 56	1 22	27 8	16 51	11 39	12 4	17 18		n.a.
S 25	1 19	18 48	4 48	0s12	0 20	4 44	0 31	13 46	0 37	3 28	1 12	0 40	2 20	21 40	0 1	19 56	1 22	27 9	16 51	11 39	12 5	17 19		n.a.
S 26	0 55	19 22	4 16	0 57	0 13	5 15	0 28	14 2	0 38	3 22	1 12	0 37	2 20	21 40	0 1	19 56	1 22	27 9	16 51	11 39	12 7	17 20		n.a.
M27	0 31	19 4	3 32	1 41	0 7	5 47	0 26	14 17	0 38	3 17	1 12	0 35	2 20	21 40	0 1	19 56	1 22	27 9	16 51	11 39	12 8	17 21		n.a.
T 28	0 7	17 52	2 38	2 26	0 0	6 18	0 23	14 33	0 39	3 12	1 12	0 32	2 20	21 40	0 1	19 56	1 22	27 9	16 51	11 38	12 9	17 22		n.a.
W29	0s17	15 47	1 35	3 10	0s 6	6 49	0 21	14 48	0 40	3 7	1 12	0 29	2 20	21 40	0 1	19 56	1 22	27 10	16 50	11 37	12 10	17 23		n.a.
T 30	0s42	12n50	0s25	3s54	0s13	7s20	0n19	15s 3	0s40	3n 1	1n12	0n26	2n20	21n40	0n 1	19n56	1s22	27s10	16s50	11n37	12n11	17n25		n.a.

Julian Day Number = 1574105.5, Delta T = 04h15m43s
Ecliptic obliquity = 23°44'31, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'32, Lahiri = - 9°31'31 Julian Calendar 1 Sept. 404 BCE == Greg. Calendar 27 Aug. 404 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

OCTOBER 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 17 48	2♎43'29	8♍39	10♎48	20♎30	8♏57	25♍27	4♎21	6°R21	4°R19	0°R13	29°R59	28♌20	11♊ 9	n.a.	F 1
S 2	0 21 44	3°43'45	22°20	12°22	21°45	9°42	25°40	4°28	6♊20	4♊18	0♓12	29♌57	28°17	11°16	n.a.	S 2
S 3	0 25 41	4°44'04	6♎23	13°55	23° 0	10°27	25°53	4°35	6°19	4°18	0°11	29°54	28°14	11°22	n.a.	S 3
M 4	0 29 37	5°44'25	20°43	15°28	24°15	11°12	26° 6	4°43	6°18	4°17	0°10	29°49	28°10	11°29	n.a.	M 4
T 5	0 33 34	6°44'47	5♏15	17° 1	25°29	11°57	26°20	4°50	6°17	4°16	0° 9	29°43	28° 7	11°36	n.a.	T 5
W 6	0 37 30	7°45'11	19°52	18°33	26°44	12°42	26°33	4°57	6°17	4°16	0° 8	29°37	28° 4	11°42	n.a.	W 6
T 7	0 41 27	8°45'37	4♐26	20° 5	27°59	13°27	26°46	5° 4	6°16	4°15	0° 7	29°32	28° 1	11°49	n.a.	T 7
F 8	0 45 24	9°46'04	18°53	21°36	29°14	14°12	26°59	5°11	6°14	4°14	0° 6	29°28	27°58	11°56	n.a.	F 8
S 9	0 49 20	10°46'33	3♑ 8	23° 7	0♏29	14°57	27°12	5°18	6°13	4°13	0° 5	29°26	27°54	12° 3	n.a.	S 9
S 10	0 53 17	11°47'04	17°10	24°38	1°44	15°42	27°25	5°25	6°12	4°12	0° 4	29°D26	27°51	12° 9	n.a.	S 10
M11	0 57 13	12°47'35	0♒57	26° 9	2°58	16°27	27°38	5°32	6°11	4°11	0° 4	29°27	27°48	12°16	n.a.	M11
T 12	1 1 10	13°48'08	14°30	27°39	4°13	17°13	27°51	5°39	6°10	4°10	0° 3	29°29	27°45	12°23	n.a.	T 12
W13	1 5 6	14°48'42	27°50	29° 8	5°28	17°58	28° 4	5°46	6° 8	4° 9	0° 2	29°R29	27°42	12°29	n.a.	W13
T 14	1 9 3	15°49'18	10♓58	0♏38	6°43	18°43	28°16	5°53	6° 7	4° 8	0° 1	29°29	27°39	12°36	n.a.	T 14
F 15	1 12 59	16°49'55	23°54	2° 6	7°58	19°29	28°29	6° 0	6° 6	4° 7	0° 0	29°26	27°35	12°43	n.a.	F 15
S 16	1 16 56	17°50'34	6♈39	3°35	9°12	20°14	28°42	6° 7	6° 4	4° 6	29♒59	29°21	27°32	12°50	n.a.	S 16
S 17	1 20 52	18°51'14	19°14	5° 3	10°27	21° 0	28°55	6°14	6° 3	4° 5	29°59	29°13	27°29	12°56	n.a.	S 17
M18	1 24 49	19°51'55	1♉37	6°30	11°42	21°46	29° 8	6°21	6° 1	4° 4	29°58	29° 4	27°26	13° 3	n.a.	M18
T 19	1 28 46	20°52'39	13°51	7°57	12°57	22°31	29°20	6°28	6° 0	4° 3	29°57	28°54	27°23	13°10	n.a.	T 19
W20	1 32 42	21°53'23	25°55	9°23	14°11	23°17	29°33	6°35	5°58	4° 2	29°57	28°44	27°19	13°16	n.a.	W20
T 21	1 36 39	22°54'10	7♊51	10°48	15°26	24° 3	29°46	6°42	5°56	4° 1	29°56	28°34	27°16	13°23	n.a.	T 21
F 22	1 40 35	23°54'58	19°43	12°13	16°41	24°49	29°58	6°49	5°55	4° 0	29°56	28°26	27°13	13°30	n.a.	F 22
S 23	1 44 32	24°55'48	1♋34	13°37	17°56	25°35	0♎11	6°56	5°53	3°58	29°55	28°21	27°10	13°37	n.a.	S 23
S 24	1 48 28	25°56'39	13°27	15° 0	19°10	26°21	0°24	7° 3	5°51	3°57	29°54	28°18	27° 7	13°43	n.a.	S 24
M25	1 52 25	26°57'32	25°27	16°22	20°25	27° 7	0°36	7°10	5°49	3°56	29°54	28°D17	27° 4	13°50	n.a.	M25
T 26	1 56 21	27°58'26	7♌40	17°42	21°40	27°53	0°49	7°17	5°48	3°54	29°53	28°17	27° 0	13°57	n.a.	T 26
W27	2 0 18	28°59'22	20°11	19° 2	22°54	28°39	1° 1	7°23	5°46	3°53	29°53	28°18	26°57	14° 3	n.a.	W27
T 28	2 4 15	0♏ 0'19	3♍ 4	20°19	24° 9	29°25	1°13	7°30	5°44	3°52	29°52	28°R18	26°54	14°10	n.a.	T 28
F 29	2 8 11	1° 1'18	16°24	21°35	25°24	0♐11	1°26	7°37	5°42	3°50	29°52	28°17	26°51	14°17	n.a.	F 29
S 30	2 12 8	2° 2'18	0♎13	22°48	26°38	0°57	1°38	7°44	5°40	3°49	29°51	28°13	26°48	14°24	n.a.	S 30
S 31	2 16 4	3♏ 3'20	14♎29	23♏59	27♏53	1♐44	1♎50	7♎50	5♊38	3♊48	29♒51	28♌ 6	26♌45	14♊30	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	1s 6	9n 9	0n47	4s38	0s20	7s51	0n16	15s18	0s41	2n56	1n12	0n23	2n20	21n40	0n 1	19n56	1s22	27s10	16s50	11n37	12n12	17n26		n.a.
S 2	1 30	4 54	1 59	5 21	0 26	8 22	0 14	15 33	0 41	2 51	1 12	0 20	2 20	21 40	0 1	19 55	1 22	27 10	16 50	11 38	12 13	17 27		n.a.
S 3	1 54	0 16	3 5	6 4	0 33	8 53	0 11	15 48	0 42	2 46	1 12	0 18	2 20	21 40	0 1	19 55	1 22	27 10	16 50	11 39	12 14	17 28		n.a.
M 4	2 18	4s28	4 1	6 46	0 39	9 23	0 9	16 3	0 42	2 40	1 12	0 15	2 20	21 39	0 1	19 55	1 23	27 10	16 49	11 41	12 16	17 29		n.a.
T 5	2 43	9 0	4 43	7 28	0 46	9 53	0 6	16 18	0 43	2 35	1 12	0 12	2 20	21 39	0 1	19 55	1 23	27 11	16 49	11 43	12 17	17 30		n.a.
W 6	3 7	13 1	5 6	8 10	0 52	10 23	0 4	16 32	0 44	2 30	1 12	0 9	2 20	21 39	0 1	19 55	1 23	27 11	16 49	11 45	12 18	17 31		n.a.
T 7	3 31	16 14	5 9	8 51	0 59	10 52	0 1	16 46	0 44	2 25	1 12	0 6	2 20	21 39	0 1	19 55	1 23	27 11	16 49	11 47	12 19	17 32		n.a.
F 8	3 55	18 25	4 53	9 32	1 5	11 22	0s 1	17 1	0 45	2 19	1 12	0 3	2 20	21 39	0 1	19 54	1 23	27 11	16 49	11 48	12 20	17 33		n.a.
S 9	4 19	19 24	4 18	10 12	1 11	11 51	0 4	17 15	0 45	2 14	1 13	0 0	2 20	21 39	0 1	19 54	1 23	27 11	16 48	11 49	12 21	17 34		n.a.
S 10	4 43	19 10	3 29	10 51	1 17	12 20	0 7	17 29	0 46	2 9	1 13	0s 2	2 20	21 38	0 1	19 54	1 23	27 11	16 48	11 49	12 22	17 35		n.a.
M11	5 7	17 47	2 28	11 30	1 23	12 48	0 9	17 42	0 46	2 4	1 13	0 5	2 20	21 38	0 1	19 54	1 23	27 11	16 48	11 48	12 23	17 37		n.a.
T 12	5 31	15 25	1 20	12 9	1 29	13 16	0 12	17 56	0 47	1 59	1 13	0 8	2 20	21 38	0 1	19 54	1 23	27 11	16 48	11 48	12 24	17 38		n.a.
W13	5 54	12 14	0 9	12 47	1 35	13 44	0 14	18 9	0 47	1 53	1 13	0 11	2 20	21 38	0 1	19 53	1 23	27 11	16 47	11 48	12 26	17 39		n.a.
T 14	6 18	8 30	1s 2	13 24	1 40	14 12	0 17	18 23	0 48	1 48	1 13	0 14	2 20	21 38	0 1	19 53	1 23	27 11	16 47	11 48	12 27	17 40		n.a.
F 15	6 42	4 24	2 8	14 0	1 45	14 39	0 20	18 36	0 48	1 43	1 13	0 16	2 20	21 37	0 1	19 53	1 23	27 12	16 47	11 49	12 28	17 41		n.a.
S 16	7 5	0 10	3 6	14 36	1 50	15 6	0 22	18 49	0 49	1 38	1 13	0 19	2 20	21 37	0 1	19 53	1 23	27 12	16 47	11 51	12 29	17 42		n.a.
S 17	7 29	4n 0	3 55	15 10	1 55	15 32	0 25	19 2	0 49	1 33	1 13	0 22	2 20	21 37	0 1	19 52	1 23	27 12	16 46	11 53	12 30	17 43		n.a.
M18	7 52	7 57	4 32	15 44	2 0	15 58	0 27	19 14	0 50	1 28	1 13	0 25	2 20	21 37	0 2	19 52	1 23	27 12	16 46	11 57	12 31	17 44		n.a.
T 19	8 15	11 30	4 55	16 17	2 4	16 24	0 30	19 27	0 50	1 23	1 13	0 27	2 21	21 36	0 2	19 52	1 23	27 12	16 46	12 0	12 32	17 45		n.a.
W20	8 38	14 32	5 5	16 49	2 8	16 49	0 33	19 39	0 51	1 18	1 13	0 30	2 21	21 36	0 2	19 52	1 23	27 12	16 45	12 4	12 33	17 46		n.a.
T 21	9 1	16 56	5 1	17 21	2 12	17 14	0 35	19 51	0 51	1 13	1 13	0 33	2 21	21 36	0 2	19 52	1 23	27 12	16 45	12 7	12 34	17 47		n.a.
F 22	9 24	18 36	4 45	17 51	2 16	17 38	0 38	20 3	0 52	1 8	1 13	0 35	2 21	21 35	0 2	19 51	1 23	27 12	16 45	12 10	12 35	17 48		n.a.
S 23	9 46	19 28	4 16	18 20	2 19	18 2	0 40	20 14	0 52	1 3	1 13	0 38	2 21	21 35	0 2	19 51	1 23	27 11	16 45	12 12	12 37	17 49		n.a.
S 24	10 9	19 28	3 36	18 47	2 21	18 25	0 43	20 26	0 53	0 58	1 13	0 41	2 21	21 35	0 2	19 51	1 23	27 11	16 44	12 13	12 38	17 50		n.a.
M25	10 31	18 36	2 46	19 14	2 24	18 48	0 45	20 37	0 53	0 53	1 13	0 43	2 21	21 35	0 2	19 51	1 23	27 11	16 44	12 13	12 39	17 51		n.a.
T 26	10 53	16 51	1 48	19 39	2 25	19 11	0 48	20 48	0 53	0 48	1 13	0 46	2 21	21 34	0 2	19 50	1 23	27 11	16 44	12 13	12 40	17 52		n.a.
W27	11 15	14 15	0 43	20 3	2 27	19 32	0 50	20 59	0 54	0 43	1 13	0 49	2 21	21 34	0 2	19 50	1 23	27 11	16 43	12 13	12 41	17 54		n.a.
T 28	11 37	10 54	0n25	20 25	2 28	19 54	0 53	21 10	0 54	0 38	1 14	0 51	2 21	21 34	0 2	19 50	1 23	27 11	16 43	12 13	12 42	17 55		n.a.
F 29	11 59	6 53	1 35	20 46	2 28	20 14	0 55	21 20	0 55	0 33	1 14	0 54	2 21	21 33	0 2	19 49	1 23	27 11	16 43	12 13	12 43	17 56		n.a.
S 30	12 20	2 23	2 41	21 5	2 27	20 35	0 57	21 30	0 55	0 28	1 14	0 57	2 21	21 33	0 2	19 49	1 23	27 11	16 42	12 15	12 44	17 57		n.a.
S 31	12s41	2s24	3n40	21s22	2s26	20s54	1s 0	21s40	0s56	0n23	1n14	0s59	2n21	21n33	0n 2	19n49	1s23	27s11	16s42	12n17	12n45	17n58		n.a.

Julian Day Number = 1574135.5, Delta T = 04h15m42s
Ecliptic obliquity = 23°44'32, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'28, Lahiri = - 9°31'27 Julian Calendar 1 Oct. 404 BCE == Greg. Calendar 26 Sept. 404 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

NOVEMBER 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 20 1	4♏ 4'22	29♎ 9	25♏ 7	29♏ 7	2♐30	2♎ 2	7♎57	5°R36	3°R46	29°R50	27°R57	26♌41	14♊37	n.a.	M 1
T 2	2 23 57	5° 5'26	14♏ 5	26°12	0♐22	3°16	2°14	8° 3	5♊34	3♊45	29♒50	27♌47	26°38	14°44	n.a.	T 2
W 3	2 27 54	6° 6'31	29° 9	27°13	1°37	4° 3	2°27	8°10	5°31	3°43	29°50	27°36	26°35	14°51	n.a.	W 3
T 4	2 31 50	7° 7'36	14♐10	28°10	2°51	4°49	2°39	8°17	5°29	3°42	29°49	27°26	26°32	14°57	n.a.	T 4
F 5	2 35 47	8° 8'43	28°59	29° 1	4° 6	5°36	2°50	8°23	5°27	3°40	29°49	27°18	26°29	15° 4	n.a.	F 5
S 6	2 39 44	9° 9'50	13♑30	29°47	5°20	6°22	3° 2	8°30	5°25	3°39	29°49	27°13	26°25	15°11	n.a.	S 6
S 7	2 43 40	10°10'58	27°39	0♐27	6°35	7° 9	3°14	8°36	5°23	3°37	29°48	27°11	26°22	15°17	n.a.	S 7
M 8	2 47 37	11°12'06	11♒26	0°59	7°49	7°55	3°26	8°42	5°20	3°36	29°48	27°D10	26°19	15°24	n.a.	M 8
T 9	2 51 33	12°13'14	24°51	1°23	9° 4	8°42	3°38	8°49	5°18	3°34	29°48	27°R11	26°16	15°31	n.a.	T 9
W10	2 55 30	13°14'23	7♓58	1°39	10°18	9°28	3°49	8°55	5°16	3°33	29°47	27°10	26°13	15°38	n.a.	W10
T 11	2 59 26	14°15'33	20°48	1°R44	11°33	10°15	4° 1	9° 1	5°13	3°31	29°47	27° 8	26°10	15°44	n.a.	T 11
F 12	3 3 23	15°16'43	3♈26	1°39	12°47	11° 2	4°12	9° 7	5°11	3°30	29°47	27° 3	26° 6	15°51	n.a.	F 12
S 13	3 7 19	16°17'53	15°54	1°23	14° 2	11°49	4°24	9°14	5° 9	3°28	29°47	26°55	26° 3	15°58	n.a.	S 13
S 14	3 11 16	17°19'04	28°12	0°55	15°16	12°35	4°35	9°20	5° 6	3°26	29°47	26°44	26° 0	16° 4	n.a.	S 14
M15	3 15 13	18°20'15	10♉23	0°15	16°30	13°22	4°46	9°26	5° 4	3°25	29°47	26°31	25°57	16°11	n.a.	M15
T 16	3 19 9	19°21'27	22°27	29♏25	17°45	14° 9	4°57	9°32	5° 1	3°23	29°47	26°16	25°54	16°18	n.a.	T 16
W17	3 23 6	20°22'39	4♊25	28°24	18°59	14°56	5° 9	9°38	4°59	3°21	29°47	26° 1	25°50	16°25	n.a.	W17
T 18	3 27 2	21°23'52	16°19	27°14	20°13	15°43	5°20	9°44	4°56	3°20	29°47	25°47	25°47	16°31	n.a.	T 18
F 19	3 30 59	22°25'06	28°10	25°57	21°28	16°30	5°30	9°49	4°54	3°18	29°D47	25°36	25°44	16°38	n.a.	F 19
S 20	3 34 55	23°26'20	10♋ 0	24°37	22°42	17°17	5°41	9°55	4°51	3°16	29°47	25°26	25°41	16°45	n.a.	S 20
S 21	3 38 52	24°27'34	21°52	23°14	23°56	18° 4	5°52	10° 1	4°49	3°15	29°47	25°20	25°38	16°51	n.a.	S 21
M22	3 42 49	25°28'49	3♌51	21°53	25°10	18°51	6° 3	10° 7	4°46	3°13	29°47	25°17	25°35	16°58	n.a.	M22
T 23	3 46 45	26°30'05	16° 0	20°35	26°24	19°38	6°13	10°12	4°44	3°11	29°47	25°16	25°31	17° 5	n.a.	T 23
W24	3 50 42	27°31'21	28°26	19°24	27°39	20°25	6°24	10°18	4°41	3°10	29°47	25°16	25°28	17°12	n.a.	W24
T 25	3 54 38	28°32'37	11♍13	18°20	28°53	21°12	6°34	10°23	4°39	3° 8	29°47	25°15	25°25	17°18	n.a.	T 25
F 26	3 58 35	29°33'54	24°26	17°26	0♑ 7	21°59	6°45	10°29	4°36	3° 6	29°47	25°14	25°22	17°25	n.a.	F 26
S 27	4 2 31	0♐35'11	8♎ 8	16°42	1°21	22°46	6°55	10°34	4°33	3° 5	29°47	25°10	25°19	17°32	n.a.	S 27
S 28	4 6 28	1°36'28	22°21	16° 8	2°35	23°33	7° 5	10°40	4°31	3° 3	29°48	25° 3	25°16	17°38	n.a.	S 28
M29	4 10 24	2°37'46	7♏ 3	15°45	3°49	24°21	7°15	10°45	4°28	3° 1	29°48	24°53	25°12	17°45	n.a.	M29
T 30	4 14 21	3♐39'04	22♏ 7	15♏32	5♑ 3	25♐ 8	7♎25	10♎50	4♊26	2♊59	29♒48	24♌42	25♌ 9	17♊52	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13s 2	7s11	4n25	21s37	2s25	21s13	1s 2	21s50	0s56	0n18	1n14	1s 2	2n21	21n32	0n 2	19n49	1s23	27s11	16s42	12n20	12n46	17n59		n.a.
T 2	13 23	11 36	4 54	21 51	2 22	21 32	1 4	22 0	0 56	0 14	1 14	1 4	2 22	21 32	0 2	19 48	1 23	27 10	16 41	12 24	12 48	18 0		n.a.
W 3	13 44	15 18	5 2	22 2	2 18	21 50	1 7	22 9	0 57	0 9	1 14	1 7	2 22	21 31	0 2	19 48	1 23	27 10	16 41	12 28	12 49	18 1		n.a.
T 4	14 4	18 0	4 50	22 10	2 14	22 7	1 9	22 18	0 57	0 4	1 14	1 9	2 22	21 31	0 2	19 48	1 23	27 10	16 41	12 31	12 50	18 2		n.a.
F 5	14 24	19 27	4 18	22 17	2 8	22 24	1 11	22 27	0 58	0s 1	1 14	1 12	2 22	21 31	0 2	19 47	1 23	27 10	16 40	12 34	12 51	18 3		n.a.
S 6	14 44	19 34	3 30	22 20	2 2	22 40	1 13	22 36	0 58	0 5	1 14	1 14	2 22	21 30	0 2	19 47	1 23	27 10	16 40	12 35	12 52	18 4		n.a.
S 7	15 3	18 27	2 30	22 21	1 54	22 55	1 15	22 44	0 58	0 10	1 14	1 17	2 22	21 30	0 2	19 47	1 23	27 10	16 40	12 36	12 53	18 5		n.a.
M 8	15 23	16 15	1 22	22 19	1 45	23 10	1 17	22 52	0 59	0 15	1 15	1 19	2 22	21 29	0 2	19 47	1 23	27 9	16 39	12 36	12 54	18 6		n.a.
T 9	15 42	13 13	0 12	22 14	1 34	23 24	1 19	23 0	0 59	0 19	1 15	1 22	2 22	21 29	0 2	19 46	1 23	27 9	16 39	12 36	12 55	18 7		n.a.
W10	16 1	9 34	0s57	22 6	1 22	23 37	1 21	23 8	0 59	0 24	1 15	1 24	2 22	21 29	0 2	19 46	1 23	27 9	16 39	12 36	12 56	18 8		n.a.
T 11	16 19	5 33	2 2	21 54	1 9	23 49	1 23	23 15	1 0	0 28	1 15	1 26	2 23	21 28	0 2	19 46	1 23	27 9	16 38	12 37	12 57	18 9		n.a.
F 12	16 37	1 21	2 59	21 38	0 54	24 1	1 25	23 22	1 0	0 33	1 15	1 29	2 23	21 28	0 2	19 45	1 23	27 8	16 38	12 39	12 58	18 10		n.a.
S 13	16 55	2n51	3 47	21 19	0 38	24 12	1 27	23 29	1 0	0 37	1 15	1 31	2 23	21 27	0 2	19 45	1 23	27 8	16 38	12 42	13 0	18 11		n.a.
S 14	17 13	6 52	4 24	20 56	0 20	24 23	1 28	23 36	1 1	0 42	1 15	1 33	2 23	21 27	0 2	19 45	1 23	27 8	16 37	12 45	13 1	18 12		n.a.
M15	17 30	10 34	4 48	20 29	0 1	24 33	1 30	23 42	1 1	0 46	1 15	1 36	2 23	21 27	0 2	19 44	1 23	27 8	16 37	12 50	13 2	18 13		n.a.
T 16	17 47	13 48	4 59	19 59	0n18	24 42	1 32	23 48	1 1	0 51	1 15	1 38	2 23	21 26	0 2	19 44	1 23	27 7	16 37	12 55	13 3	18 14		n.a.
W17	18 4	16 26	4 56	19 26	0 39	24 50	1 33	23 54	1 1	0 55	1 16	1 40	2 23	21 26	0 2	19 44	1 23	27 7	16 36	13 0	13 4	18 15		n.a.
T 18	18 20	18 22	4 41	18 50	0 59	24 57	1 35	23 59	1 2	0 59	1 16	1 42	2 24	21 25	0 2	19 43	1 23	27 7	16 36	13 5	13 5	18 16		n.a.
F 19	18 36	19 31	4 13	18 12	1 19	25 4	1 36	24 5	1 2	1 3	1 16	1 44	2 24	21 25	0 2	19 43	1 23	27 6	16 36	13 9	13 6	18 17		n.a.
S 20	18 52	19 48	3 35	17 34	1 38	25 10	1 38	24 10	1 2	1 8	1 16	1 47	2 24	21 24	0 2	19 43	1 23	27 6	16 35	13 12	13 7	18 18		n.a.
S 21	19 7	19 12	2 47	16 57	1 56	25 15	1 39	24 14	1 3	1 12	1 16	1 49	2 24	21 24	0 2	19 42	1 23	27 6	16 35	13 14	13 8	18 19		n.a.
M22	19 22	17 45	1 51	16 20	2 12	25 19	1 40	24 19	1 3	1 16	1 16	1 51	2 24	21 23	0 2	19 42	1 23	27 5	16 34	13 15	13 9	18 19		n.a.
T 23	19 37	15 28	0 49	15 46	2 27	25 23	1 42	24 23	1 3	1 20	1 16	1 53	2 24	21 23	0 2	19 42	1 23	27 5	16 34	13 16	13 10	18 20		n.a.
W24	19 51	12 26	0n17	15 15	2 39	25 26	1 43	24 27	1 3	1 24	1 16	1 55	2 24	21 22	0 2	19 41	1 23	27 5	16 34	13 16	13 12	18 21		n.a.
T 25	20 5	8 44	1 23	14 49	2 48	25 28	1 44	24 30	1 4	1 28	1 17	1 57	2 25	21 22	0 2	19 41	1 23	27 4	16 33	13 16	13 13	18 22		n.a.
F 26	20 19	4 30	2 28	14 27	2 55	25 29	1 45	24 33	1 4	1 32	1 17	1 59	2 25	21 22	0 2	19 41	1 23	27 4	16 33	13 16	13 14	18 23		n.a.
S 27	20 32	0s 7	3 26	14 9	3 0	25 30	1 46	24 36	1 4	1 36	1 17	2 1	2 25	21 21	0 2	19 41	1 23	27 3	16 33	13 18	13 15	18 24		n.a.
S 28	20 45	4 54	4 14	13 57	3 3	25 30	1 47	24 39	1 4	1 40	1 17	2 3	2 25	21 21	0 2	19 40	1 23	27 3	16 32	13 20	13 16	18 25		n.a.
M29	20 57	9 32	4 46	13 49	3 4	25 28	1 47	24 41	1 4	1 44	1 17	2 5	2 25	21 20	0 2	19 40	1 23	27 3	16 32	13 23	13 17	18 26		n.a.
T 30	21s 9	13s42	5n 0	13s46	3n 4	25s27	1s48	24s44	1s 5	1s48	1n17	2s 7	2n26	21n20	0n 2	19n40	1s23	27s 2	16s32	13n27	13n18	18n27		n.a.

Julian Day Number = 1574166.5, Delta T = 04h15m41s
Ecliptic obliquity = 23°44'31, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'23, Lahiri = - 9°31'23 Julian Calendar 1 Nov. 404 BCE == Greg. Calendar 27 Oct. 404 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 404 BCE
geocentric

DECEMBER 404 BCE (-403) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 18 18	4♐40'22	7♐25	15°D29	6♑17	25♐55	7♎35	10♎55	4°R23	2°R58	29♒48	24°R30	25♌ 6	17♊59	n.a.	W 1
T 2	4 22 14	5°41'40	22°44	15♏34	7°31	26°42	7°45	11° 0	4♊20	2♊56	29°49	24♌19	25° 3	18° 5	n.a.	T 2
F 3	4 26 11	6°42'57	7♑54	15°49	8°45	27°30	7°54	11° 5	4°18	2°54	29°49	24°11	25° 0	18°12	n.a.	F 3
S 4	4 30 7	7°44'15	22°44	16°10	9°59	28°17	8° 4	11°10	4°15	2°53	29°49	24° 5	24°56	18°19	n.a.	S 4
S 5	4 34 4	8°45'31	7♒ 9	16°39	11°12	29° 4	8°13	11°15	4°13	2°51	29°50	24° 1	24°53	18°25	n.a.	S 5
M 6	4 38 0	9°46'47	21° 7	17°14	12°26	29°51	8°22	11°20	4°10	2°49	29°50	24°D 0	24°50	18°32	n.a.	M 6
T 7	4 41 57	10°48'03	4♓37	17°54	13°40	0♒39	8°32	11°25	4° 8	2°48	29°50	24°R 1	24°47	18°39	n.a.	T 7
W 8	4 45 53	11°49'18	17°44	18°40	14°54	1°26	8°41	11°29	4° 5	2°46	29°51	24° 1	24°44	18°46	n.a.	W 8
T 9	4 49 50	12°50'32	0♈30	19°30	16° 7	2°13	8°50	11°34	4° 2	2°44	29°51	23°59	24°41	18°52	n.a.	T 9
F 10	4 53 47	13°51'45	12°59	20°24	17°21	3° 1	8°58	11°38	4° 0	2°43	29°52	23°55	24°37	18°59	n.a.	F 10
S 11	4 57 43	14°52'58	25°16	21°22	18°34	3°48	9° 7	11°43	3°57	2°41	29°52	23°49	24°34	19° 6	n.a.	S 11
S 12	5 1 40	15°54'10	7♉23	22°23	19°48	4°35	9°16	11°47	3°55	2°39	29°53	23°39	24°31	19°12	n.a.	S 12
M13	5 5 36	16°55'21	19°24	23°26	21° 1	5°23	9°24	11°51	3°52	2°38	29°53	23°28	24°28	19°19	n.a.	M13
T 14	5 9 33	17°56'31	1♊20	24°33	22°15	6°10	9°33	11°55	3°50	2°36	29°54	23°15	24°25	19°26	n.a.	T 14
W15	5 13 29	18°57'41	13°14	25°41	23°28	6°57	9°41	12° 0	3°47	2°34	29°55	23° 2	24°22	19°32	n.a.	W15
T 16	5 17 26	19°58'51	25° 5	26°52	24°41	7°45	9°49	12° 4	3°45	2°33	29°55	22°49	24°18	19°39	n.a.	T 16
F 17	5 21 23	20°59'59	6♋57	28° 5	25°55	8°32	9°57	12° 8	3°42	2°31	29°56	22°39	24°15	19°46	n.a.	F 17
S 18	5 25 19	22° 1'07	18°50	29°19	27° 8	9°20	10° 5	12°11	3°40	2°29	29°57	22°31	24°12	19°53	n.a.	S 18
S 19	5 29 16	23° 2'14	0♌47	0♐35	28°21	10° 7	10°12	12°15	3°38	2°28	29°57	22°26	24° 9	19°59	n.a.	S 19
M20	5 33 12	24° 3'21	12°49	1°52	29°34	10°54	10°20	12°19	3°35	2°26	29°58	22°23	24° 6	20° 6	n.a.	M20
T 21	5 37 9	25° 4'27	25° 2	3°11	0♒47	11°42	10°27	12°22	3°33	2°25	29°59	22°D23	24° 2	20°13	n.a.	T 21
W22	5 41 5	26° 5'32	7♍28	4°31	2° 0	12°29	10°35	12°26	3°31	2°23	29°59	22°23	23°59	20°19	n.a.	W22
T 23	5 45 2	27° 6'36	20°12	5°52	3°13	13°16	10°42	12°29	3°28	2°22	0♓ 0	22°24	23°56	20°26	n.a.	T 23
F 24	5 48 58	28° 7'40	3♎18	7°15	4°26	14° 4	10°49	12°33	3°26	2°20	0° 1	22°R24	23°53	20°33	n.a.	F 24
S 25	5 52 55	29° 8'43	16°51	8°38	5°38	14°51	10°56	12°36	3°24	2°19	0° 2	22°23	23°50	20°40	n.a.	S 25
S 26	5 56 52	0♑ 9'45	0♏51	10° 2	6°51	15°39	11° 2	12°39	3°21	2°17	0° 3	22°19	23°47	20°46	n.a.	S 26
M27	6 0 48	1°10'47	15°20	11°28	8° 4	16°26	11° 9	12°42	3°19	2°16	0° 4	22°13	23°43	20°53	n.a.	M27
T 28	6 4 45	2°11'48	0♐13	12°54	9°16	17°13	11°15	12°45	3°17	2°14	0° 4	22° 6	23°40	21° 0	n.a.	T 28
W29	6 8 41	3°12'48	15°23	14°21	10°29	18° 1	11°21	12°48	3°15	2°13	0° 5	21°58	23°37	21° 6	n.a.	W29
T 30	6 12 38	4°13'46	0♑41	15°48	11°41	18°48	11°28	12°51	3°13	2°12	0° 6	21°50	23°34	21°13	n.a.	T 30
F 31	6 16 34	5♑14'44	15♑55	17♐17	12♒54	19♑35	11♎34	12♎53	3♊11	2♊10	0♓ 7	21♌44	23♌31	21♊20	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
W 1	21s20	17s 0	4n53	13s47	3n 2	25s24	1s49	24s45	1s 5	1s52	1n17	2s 9	2n26	21n19	0n 2	19n39	1s23	27s 2	16s31	13n31	13n19	18n28			n.a.
T 2	21 32	19 8	4 25	13 52	2 59	25 21	1 49	24 47	1 5	1 55	1 18	2 11	2 26	21 19	0 2	19 39	1 23	27 1	16 31	13 35	13 20	18 29			n.a.
F 3	21 42	19 52	3 38	14 0	2 54	25 16	1 50	24 48	1 5	1 59	1 18	2 12	2 26	21 18	0 2	19 39	1 23	27 1	16 31	13 38	13 21	18 30			n.a.
S 4	21 53	19 13	2 37	14 11	2 49	25 12	1 50	24 49	1 5	2 3	1 18	2 14	2 26	21 18	0 2	19 38	1 23	27 0	16 30	13 40	13 22	18 31			n.a.
S 5	22 2	17 18	1 28	14 25	2 43	25 6	1 50	24 50	1 5	2 6	1 18	2 16	2 26	21 17	0 2	19 38	1 23	27 0	16 30	13 41	13 23	18 32			n.a.
M 6	22 12	14 24	0 15	14 41	2 36	24 59	1 51	24 50	1 6	2 10	1 18	2 18	2 27	21 17	0 2	19 38	1 23	26 59	16 29	13 41	13 24	18 33			n.a.
T 7	22 21	10 48	0s56	15 0	2 29	24 52	1 51	24 50	1 6	2 13	1 18	2 19	2 27	21 16	0 2	19 37	1 23	26 59	16 29	13 41	13 26	18 34			n.a.
W 8	22 29	6 47	2 2	15 20	2 22	24 44	1 51	24 50	1 6	2 17	1 19	2 21	2 27	21 16	0 2	19 37	1 23	26 58	16 29	13 41	13 27	18 34			n.a.
T 9	22 37	2 34	3 1	15 41	2 14	24 35	1 51	24 49	1 6	2 20	1 19	2 22	2 27	21 15	0 2	19 37	1 23	26 58	16 28	13 42	13 28	18 35			n.a.
F 10	22 45	1n41	3 49	16 3	2 6	24 26	1 51	24 49	1 6	2 24	1 19	2 24	2 27	21 15	0 2	19 36	1 23	26 57	16 28	13 43	13 29	18 36			n.a.
S 11	22 52	5 46	4 26	16 26	1 58	24 16	1 51	24 47	1 6	2 27	1 19	2 26	2 28	21 14	0 2	19 36	1 23	26 57	16 28	13 45	13 30	18 37			n.a.
S 12	22 59	9 35	4 50	16 50	1 49	24 5	1 50	24 46	1 6	2 30	1 19	2 27	2 28	21 14	0 2	19 36	1 23	26 56	16 27	13 48	13 31	18 38			n.a.
M13	23 5	12 58	5 1	17 15	1 40	23 53	1 50	24 44	1 7	2 33	1 19	2 29	2 28	21 14	0 2	19 35	1 23	26 56	16 27	13 52	13 32	18 39			n.a.
T 14	23 11	15 49	4 59	17 40	1 32	23 41	1 50	24 42	1 7	2 37	1 20	2 30	2 28	21 13	0 2	19 35	1 23	26 55	16 27	13 56	13 33	18 40			n.a.
W15	23 17	17 59	4 44	18 5	1 23	23 28	1 49	24 40	1 7	2 40	1 20	2 31	2 29	21 13	0 2	19 35	1 23	26 55	16 26	14 1	13 34	18 41			n.a.
T 16	23 21	19 23	4 16	18 30	1 15	23 14	1 49	24 37	1 7	2 43	1 20	2 33	2 29	21 12	0 2	19 35	1 23	26 54	16 26	14 5	13 35	18 42			n.a.
F 17	23 26	19 56	3 38	18 55	1 6	23 0	1 48	24 34	1 7	2 46	1 20	2 34	2 29	21 12	0 2	19 34	1 23	26 54	16 26	14 8	13 36	18 43			n.a.
S 18	23 30	19 36	2 49	19 20	0 57	22 45	1 47	24 31	1 7	2 49	1 20	2 36	2 29	21 11	0 2	19 34	1 23	26 53	16 25	14 11	13 37	18 43			n.a.
S 19	23 33	18 24	1 53	19 44	0 49	22 29	1 46	24 28	1 7	2 51	1 21	2 37	2 29	21 11	0 2	19 34	1 23	26 53	16 25	14 13	13 38	18 44			n.a.
M20	23 36	16 22	0 51	20 8	0 40	22 13	1 45	24 24	1 7	2 54	1 21	2 38	2 30	21 10	0 2	19 33	1 23	26 52	16 25	14 14	13 39	18 45			n.a.
T 21	23 39	13 34	0n14	20 32	0 32	21 56	1 44	24 20	1 7	2 57	1 21	2 39	2 30	21 10	0 2	19 33	1 23	26 51	16 24	14 14	13 41	18 46			n.a.
W22	23 41	10 7	1 20	20 55	0 24	21 38	1 43	24 16	1 7	3 0	1 21	2 40	2 30	21 9	0 2	19 33	1 23	26 51	16 24	14 13	13 42	18 47			n.a.
T 23	23 43	6 8	2 24	21 18	0 16	21 20	1 42	24 11	1 7	3 2	1 21	2 42	2 30	21 9	0 2	19 33	1 23	26 50	16 24	14 13	13 43	18 48			n.a.
F 24	23 44	1 45	3 22	21 40	0 8	21 1	1 41	24 6	1 7	3 5	1 22	2 43	2 31	21 9	0 2	19 32	1 23	26 50	16 23	14 13	13 44	18 49			n.a.
S 25	23 44	2s51	4 10	22 1	0s 0	20 42	1 39	24 1	1 7	3 7	1 22	2 44	2 31	21 8	0 2	19 32	1 23	26 49	16 23	14 14	13 45	18 50			n.a.
S 26	23 44	7 27	4 46	22 22	0 8	20 22	1 38	23 55	1 7	3 10	1 22	2 45	2 31	21 8	0 2	19 32	1 23	26 49	16 23	14 15	13 46	18 50			n.a.
M27	23 44	11 47	5 5	22 41	0 15	20 2	1 36	23 50	1 7	3 12	1 22	2 46	2 31	21 7	0 2	19 32	1 23	26 48	16 23	14 17	13 47	18 51			n.a.
T 28	23 43	15 30	5 4	23 0	0 23	19 41	1 35	23 44	1 7	3 15	1 22	2 47	2 32	21 7	0 2	19 31	1 23	26 47	16 22	14 19	13 48	18 52			n.a.
W29	23 42	18 15	4 42	23 18	0 30	19 19	1 33	23 37	1 7	3 17	1 23	2 48	2 32	21 6	0 2	19 31	1 23	26 47	16 22	14 22	13 49	18 53			n.a.
T 30	23 40	19 45	4 0	23 35	0 37	18 57	1 31	23 31	1 7	3 19	1 23	2 48	2 32	21 6	0 2	19 31	1 23	26 46	16 22	14 24	13 50	18 54			n.a.
F 31	23s38	19s47	3n 1	23s51	0s43	18s35	1s29	23s24	1s 7	3s21	1n23	2s49	2n32	21n 6	0n 2	19n31	1s23	26s46	16s21	14n26	13n51	18n55			n.a.

Julian Day Number = 1574196.5, Delta T = 04h15m40s
Ecliptic obliquity = 23°44'31, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'19, Lahiri = - 9°31'19 Julian Calendar 1 Dec. 404 BCE == Greg. Calendar 26 Nov. 404 BCE

The year -403 astronomical counting style corresponds to year 404 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

JANUARY 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 20 31	6♑15'40	0♒55	18♐46	14♒ 6	20♑23	11♎39	12♎56	3°R 9	2°R 9	0♓ 8	21°R40	23♌28	21♊27	n.a.	S 1
S 2	6 24 27	7°16'35	15°33	20°17	15°18	21°10	11°45	12°59	3♊ 7	2♊ 7	0° 9	21°D39	23°24	21°33	n.a.	S 2
M 3	6 28 24	8°17'29	29°44	21°48	16°30	21°58	11°50	13° 1	3° 5	2° 6	0°10	21♌39	23°21	21°40	n.a.	M 3
T 4	6 32 21	9°18'20	13♓26	23°19	17°42	22°45	11°56	13° 3	3° 3	2° 5	0°11	21°40	23°18	21°47	n.a.	T 4
W 5	6 36 17	10°19'10	26°41	24°52	18°54	23°32	12° 1	13° 6	3° 1	2° 4	0°12	21°41	23°15	21°53	n.a.	W 5
T 6	6 40 14	11°19'59	9♈32	26°25	20° 6	24°19	12° 6	13° 8	2°59	2° 2	0°13	21°R42	23°12	22° 0	n.a.	T 6
F 7	6 44 10	12°20'45	22° 3	27°59	21°17	25° 7	12°11	13°10	2°57	2° 1	0°14	21°42	23° 8	22° 7	n.a.	F 7
S 8	6 48 7	13°21'30	4♉18	29°34	22°29	25°54	12°15	13°12	2°55	2° 0	0°15	21°39	23° 5	22°14	n.a.	S 8
S 9	6 52 3	14°22'13	16°21	1♑10	23°41	26°41	12°20	13°13	2°53	1°59	0°16	21°35	23° 2	22°20	n.a.	S 9
M10	6 56 0	15°22'55	28°17	2°46	24°52	27°28	12°24	13°15	2°52	1°58	0°17	21°30	22°59	22°27	n.a.	M10
T 11	6 59 56	16°23'34	10♊ 9	4°23	26° 3	28°16	12°28	13°17	2°50	1°56	0°19	21°23	22°56	22°34	n.a.	T 11
W12	7 3 53	17°24'12	22° 0	6° 1	27°15	29° 3	12°32	13°18	2°48	1°55	0°20	21°17	22°53	22°40	n.a.	W12
T 13	7 7 50	18°24'49	3♋52	7°40	28°26	29°50	12°36	13°20	2°47	1°54	0°21	21°10	22°49	22°47	n.a.	T 13
F 14	7 11 46	19°25'23	15°47	9°20	29°37	0♒37	12°40	13°21	2°45	1°53	0°22	21° 5	22°46	22°54	n.a.	F 14
S 15	7 15 43	20°25'56	27°47	11° 1	0♓47	1°24	12°43	13°22	2°44	1°52	0°23	21° 1	22°43	23° 0	n.a.	S 15
S 16	7 19 39	21°26'28	9♌53	12°42	1°58	2°11	12°46	13°23	2°42	1°51	0°24	20°59	22°40	23° 7	n.a.	S 16
M17	7 23 36	22°26'57	22° 7	14°25	3° 9	2°58	12°49	13°24	2°41	1°50	0°26	20°D59	22°37	23°14	n.a.	M17
T 18	7 27 32	23°27'25	4♍31	16° 8	4°19	3°46	12°52	13°25	2°39	1°49	0°27	20°59	22°34	23°21	n.a.	T 18
W19	7 31 29	24°27'52	17° 7	17°53	5°30	4°33	12°55	13°26	2°38	1°48	0°28	21° 1	22°30	23°27	n.a.	W19
T 20	7 35 25	25°28'17	29°58	19°38	6°40	5°20	12°58	13°27	2°37	1°48	0°29	21° 3	22°27	23°34	n.a.	T 20
F 21	7 39 22	26°28'40	13♎ 7	21°24	7°50	6° 7	13° 0	13°27	2°36	1°47	0°31	21° 4	22°24	23°41	n.a.	F 21
S 22	7 43 19	27°29'02	26°36	23°11	9° 0	6°54	13° 2	13°28	2°34	1°46	0°32	21°R 4	22°21	23°47	n.a.	S 22
S 23	7 47 15	28°29'22	10♏27	24°59	10°10	7°41	13° 4	13°28	2°33	1°45	0°33	21° 4	22°18	23°54	n.a.	S 23
M24	7 51 12	29°29'41	24°40	26°48	11°19	8°27	13° 6	13°29	2°32	1°44	0°34	21° 3	22°14	24° 1	n.a.	M24
T 25	7 55 8	0♒29'59	9♐13	28°39	12°29	9°14	13° 8	13°29	2°31	1°44	0°36	21° 0	22°11	24° 7	n.a.	T 25
W26	7 59 5	1°30'14	24° 1	0♒30	13°38	10° 1	13° 9	13°29	2°30	1°43	0°37	20°58	22° 8	24°14	n.a.	W26
T 27	8 3 1	2°30'28	8♑59	2°21	14°47	10°48	13°10	13°R29	2°29	1°42	0°38	20°55	22° 5	24°21	n.a.	T 27
F 28	8 6 58	3°30'41	23°58	4°14	15°56	11°35	13°12	13°29	2°28	1°42	0°40	20°53	22° 2	24°28	n.a.	F 28
S 29	8 10 54	4°30'51	8♒49	6° 8	17° 5	12°22	13°12	13°29	2°27	1°41	0°41	20°52	21°59	24°34	n.a.	S 29
S 30	8 14 51	5°30'59	23°24	8° 2	18°14	13° 9	13°13	13°28	2°27	1°40	0°43	20°D52	21°55	24°41	n.a.	S 30
M31	8 18 48	6♒31'05	7♓39	9♒57	19♓23	13♒55	13♎14	13♎28	2♊26	1♊40	0♓44	20♌52	21♌52	24♊48	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23s35	18s25	1n50	24s 5	0s50	18s12	1s27	23s17	1s 7	3s23	1n23	2s50	2n32	21n 5	0n 2	19n30	1s23	26s45	16s21	14n28	13n52	18n55		n.a.
S 2	23 32	15 51	0 33	24 19	0 56	17 48	1 25	23 9	1 7	3 25	1 24	2 51	2 33	21 5	0 2	19 30	1 22	26 44	16 21	14 28	13 53	18 56		n.a.
M 3	23 29	12 23	0s44	24 31	1 2	17 24	1 23	23 2	1 7	3 27	1 24	2 52	2 33	21 5	0 2	19 30	1 22	26 44	16 21	14 28	13 54	18 57		n.a.
T 4	23 25	8 22	1 55	24 42	1 8	17 0	1 21	22 54	1 7	3 29	1 24	2 52	2 33	21 4	0 2	19 30	1 22	26 43	16 20	14 28	13 55	18 58		n.a.
W 5	23 20	4 3	2 59	24 52	1 14	16 35	1 18	22 46	1 7	3 31	1 24	2 53	2 33	21 4	0 2	19 29	1 22	26 42	16 20	14 27	13 56	18 59		n.a.
T 6	23 15	0n18	3 51	25 1	1 19	16 10	1 16	22 37	1 7	3 33	1 24	2 53	2 34	21 3	0 2	19 29	1 22	26 42	16 20	14 27	13 57	19 0		n.a.
F 7	23 10	4 31	4 30	25 8	1 24	15 44	1 13	22 28	1 7	3 35	1 25	2 54	2 34	21 3	0 2	19 29	1 22	26 41	16 19	14 27	13 59	19 0		n.a.
S 8	23 4	8 28	4 57	25 14	1 29	15 18	1 11	22 19	1 7	3 36	1 25	2 54	2 34	21 3	0 2	19 29	1 22	26 41	16 19	14 28	14 0	19 1		n.a.
S 9	22 57	12 0	5 9	25 18	1 34	14 52	1 8	22 10	1 7	3 38	1 25	2 55	2 35	21 2	0 2	19 29	1 22	26 40	16 19	14 29	14 1	19 2		n.a.
M10	22 51	15 1	5 8	25 21	1 38	14 25	1 5	22 1	1 6	3 39	1 25	2 55	2 35	21 2	0 2	19 28	1 22	26 39	16 19	14 31	14 2	19 3		n.a.
T 11	22 43	17 24	4 54	25 22	1 42	13 58	1 2	21 51	1 6	3 41	1 26	2 56	2 35	21 2	0 2	19 28	1 22	26 39	16 18	14 33	14 3	19 4		n.a.
W12	22 36	19 3	4 28	25 22	1 45	13 31	0 59	21 41	1 6	3 42	1 26	2 56	2 35	21 1	0 2	19 28	1 22	26 38	16 18	14 35	14 4	19 4		n.a.
T 13	22 27	19 52	3 49	25 20	1 49	13 3	0 56	21 31	1 6	3 43	1 26	2 57	2 36	21 1	0 2	19 28	1 22	26 37	16 18	14 37	14 5	19 5		n.a.
F 14	22 19	19 48	3 1	25 16	1 52	12 35	0 53	21 21	1 6	3 45	1 26	2 57	2 36	21 1	0 2	19 28	1 22	26 37	16 18	14 39	14 6	19 6		n.a.
S 15	22 10	18 51	2 4	25 11	1 54	12 7	0 50	21 10	1 6	3 46	1 26	2 57	2 36	21 1	0 2	19 28	1 22	26 36	16 18	14 40	14 7	19 7		n.a.
S 16	22 1	17 2	1 1	25 4	1 57	11 38	0 47	20 59	1 6	3 47	1 27	2 57	2 36	21 0	0 2	19 27	1 22	26 35	16 17	14 41	14 8	19 8		n.a.
M17	21 51	14 25	0n 6	24 55	1 59	11 9	0 43	20 48	1 6	3 48	1 27	2 57	2 37	21 0	0 2	19 27	1 22	26 35	16 17	14 41	14 9	19 8		n.a.
T 18	21 41	11 7	1 14	24 44	2 0	10 40	0 40	20 37	1 5	3 49	1 27	2 58	2 37	21 0	0 2	19 27	1 22	26 34	16 17	14 41	14 10	19 9		n.a.
W19	21 30	7 17	2 19	24 32	2 1	10 11	0 37	20 25	1 5	3 50	1 27	2 58	2 37	20 59	0 2	19 27	1 22	26 33	16 17	14 40	14 11	19 10		n.a.
T 20	21 19	3 2	3 18	24 18	2 2	9 41	0 33	20 14	1 5	3 50	1 28	2 58	2 37	20 59	0 2	19 27	1 22	26 33	16 16	14 40	14 12	19 11		n.a.
F 21	21 7	1s26	4 9	24 1	2 2	9 12	0 29	20 2	1 5	3 51	1 28	2 58	2 38	20 59	0 2	19 27	1 22	26 32	16 16	14 39	14 13	19 12		n.a.
S 22	20 56	5 56	4 47	23 43	2 2	8 42	0 26	19 50	1 5	3 52	1 28	2 58	2 38	20 59	0 2	19 27	1 22	26 31	16 16	14 39	14 14	19 12		n.a.
S 23	20 43	10 15	5 10	23 23	2 1	8 12	0 22	19 37	1 4	3 52	1 28	2 58	2 38	20 58	0 2	19 27	1 22	26 31	16 16	14 39	14 15	19 13		n.a.
M24	20 31	14 5	5 14	23 1	2 0	7 41	0 18	19 25	1 4	3 53	1 29	2 57	2 38	20 58	0 2	19 26	1 22	26 30	16 16	14 40	14 16	19 14		n.a.
T 25	20 18	17 11	4 59	22 37	1 58	7 11	0 14	19 12	1 4	3 53	1 29	2 57	2 39	20 58	0 2	19 26	1 21	26 29	16 16	14 41	14 17	19 15		n.a.
W26	20 5	19 12	4 24	22 11	1 56	6 40	0 10	18 59	1 4	3 54	1 29	2 57	2 39	20 58	0 3	19 26	1 21	26 29	16 15	14 41	14 18	19 15		n.a.
T 27	19 51	19 55	3 31	21 43	1 53	6 10	0 6	18 46	1 4	3 54	1 29	2 57	2 39	20 58	0 3	19 26	1 21	26 28	16 15	14 42	14 19	19 16		n.a.
F 28	19 37	19 14	2 23	21 13	1 50	5 39	0 2	18 33	1 3	3 54	1 30	2 57	2 39	20 58	0 3	19 26	1 21	26 27	16 15	14 43	14 21	19 17		n.a.
S 29	19 23	17 13	1 6	20 41	1 46	5 8	0n 2	18 19	1 3	3 54	1 30	2 56	2 40	20 57	0 3	19 26	1 21	26 27	16 15	14 43	14 22	19 18		n.a.
S 30	19 8	14 7	0s14	20 8	1 42	4 37	0 6	18 5	1 3	3 54	1 30	2 56	2 40	20 57	0 3	19 26	1 21	26 26	16 15	14 43	14 23	19 18		n.a.
M31	18s53	10s13	1s32	19s32	1s37	4s 6	0n10	17s52	1s 3	3s54	1n30	2s56	2n40	20n57	0n 3	19n26	1s21	26s26	16s15	14n43	14n24	19n19		n.a.

Julian Day Number = 1574227.5, Delta T = 04h15m39s
Ecliptic obliquity = 23°44'31, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'15, Lahiri = - 9°31'15 Julian Calendar 1 Jan. 403 BCE == Greg. Calendar 27 Dec. 404 BCE

The year -402 astronomical counting style corresponds to year 403 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

FEBRUARY 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 22 44	7♒31'09	21♓28	11♒53	20♓31	14♒42	13♎14	13°R28	2°R25	1°R39	0♓45	20♌53	21♌49	24♊54	n.a.	T 1
W 2	8 26 41	8°31'11	4♈51	13°49	21°39	15°29	13°R14	13♎27	2♊24	1♊39	0°47	20°54	21°46	25° 1	n.a.	W 2
T 3	8 30 37	9°31'10	17°50	15°46	22°47	16°15	13°14	13°26	2°24	1°38	0°48	20°55	21°43	25° 8	n.a.	T 3
F 4	8 34 34	10°31'07	0♉26	17°43	23°55	17° 2	13°14	13°25	2°23	1°38	0°49	20°56	21°40	25°15	n.a.	F 4
S 5	8 38 30	11°31'02	12°45	19°40	25° 3	17°48	13°13	13°25	2°23	1°38	0°51	20°R56	21°36	25°21	n.a.	S 5
S 6	8 42 27	12°30'55	24°50	21°36	26°10	18°35	13°13	13°24	2°22	1°37	0°52	20°56	21°33	25°28	n.a.	S 6
M 7	8 46 23	13°30'45	6♊46	23°32	27°18	19°21	13°12	13°22	2°22	1°37	0°54	20°55	21°30	25°35	n.a.	M 7
T 8	8 50 20	14°30'33	18°37	25°27	28°25	20° 8	13°11	13°21	2°22	1°37	0°55	20°54	21°27	25°41	n.a.	T 8
W 9	8 54 17	15°30'19	0♋27	27°21	29°32	20°54	13°10	13°20	2°21	1°36	0°57	20°54	21°24	25°48	n.a.	W 9
T 10	8 58 13	16°30'02	12°21	29°13	0♈38	21°41	13° 8	13°19	2°21	1°36	0°58	20°53	21°20	25°55	n.a.	T 10
F 11	9 2 10	17°29'43	24°21	1♓ 4	1°45	22°27	13° 7	13°17	2°21	1°36	1° 0	20°53	21°17	26° 1	n.a.	F 11
S 12	9 6 6	18°29'22	6♌29	2°52	2°51	23°13	13° 5	13°16	2°21	1°36	1° 1	20°52	21°14	26° 8	n.a.	S 12
S 13	9 10 3	19°28'58	18°47	4°37	3°57	24° 0	13° 3	13°14	2°21	1°36	1° 2	20°D52	21°11	26°15	n.a.	S 13
M14	9 13 59	20°28'33	1♍17	6°19	5° 2	24°46	13° 1	13°12	2°D21	1°36	1° 4	20°R52	21° 8	26°22	n.a.	M14
T 15	9 17 56	21°28'05	14° 0	7°57	6° 8	25°32	12°59	13°10	2°21	1°36	1° 5	20°52	21° 5	26°28	n.a.	T 15
W16	9 21 52	22°27'36	26°56	9°30	7°13	26°18	12°56	13° 8	2°21	1°D36	1° 7	20°52	21° 1	26°35	n.a.	W16
T 17	9 25 49	23°27'04	10♎ 6	10°59	8°18	27° 4	12°53	13° 6	2°21	1°36	1° 8	20°52	20°58	26°42	n.a.	T 17
F 18	9 29 45	24°26'30	23°30	12°23	9°22	27°50	12°51	13° 4	2°21	1°36	1°10	20°51	20°55	26°48	n.a.	F 18
S 19	9 33 42	25°25'55	7♏ 8	13°41	10°26	28°36	12°48	13° 2	2°22	1°36	1°11	20°51	20°52	26°55	n.a.	S 19
S 20	9 37 39	26°25'17	20°59	14°54	11°31	29°22	12°44	13° 0	2°22	1°36	1°13	20°D51	20°49	27° 2	n.a.	S 20
M21	9 41 35	27°24'38	5♐ 4	15°59	12°34	0♓ 8	12°41	12°57	2°22	1°36	1°14	20°51	20°45	27° 8	n.a.	M21
T 22	9 45 32	28°23'57	19°20	16°59	13°38	0°54	12°37	12°55	2°23	1°36	1°16	20°51	20°42	27°15	n.a.	T 22
W23	9 49 28	29°23'15	3♑46	17°51	14°41	1°40	12°34	12°52	2°23	1°37	1°17	20°52	20°39	27°22	n.a.	W23
T 24	9 53 25	0♓22'30	18°17	18°37	15°44	2°26	12°30	12°50	2°24	1°37	1°19	20°53	20°36	27°28	n.a.	T 24
F 25	9 57 21	1°21'43	2♒48	19°15	16°46	3°12	12°26	12°47	2°24	1°37	1°20	20°53	20°33	27°35	n.a.	F 25
S 26	10 1 18	2°20'55	17°16	19°46	17°48	3°58	12°22	12°44	2°25	1°37	1°22	20°R54	20°30	27°42	n.a.	S 26
S 27	10 5 14	3°20'04	1♓33	20° 9	18°50	4°43	12°17	12°41	2°26	1°38	1°23	20°54	20°26	27°49	n.a.	S 27
M28	10 9 11	4♓19'11	15♓35	20♓25	19♈52	5♓29	12♎13	12♎38	2♊26	1♊38	1♓25	20♌53	20♌23	27♊55	n.a.	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s37	5s54	2s41	18s54	1s31	3s35	0n15	17s37	1s 3	3s54	1n30	2s55	2n40	20n57	0n 3	19n26	1s21	26s25	16s15	14n43	14n25	19n20		n.a.
W 2	18 22	1 25	3 40	18 14	1 25	3 3	0 19	17 23	1 2	3 54	1 31	2 55	2 41	20 57	0 3	19 26	1 21	26 24	16 14	14 42	14 26	19 21		n.a.
T 3	18 6	3n 0	4 26	17 33	1 18	2 32	0 23	17 9	1 2	3 54	1 31	2 54	2 41	20 57	0 3	19 26	1 21	26 24	16 14	14 42	14 27	19 21		n.a.
F 4	17 49	7 8	4 57	16 50	1 11	2 1	0 28	16 54	1 2	3 53	1 31	2 54	2 41	20 57	0 3	19 26	1 21	26 23	16 14	14 42	14 28	19 22		n.a.
S 5	17 33	10 53	5 14	16 6	1 2	1 30	0 32	16 40	1 1	3 53	1 31	2 53	2 41	20 57	0 3	19 26	1 21	26 22	16 14	14 42	14 29	19 23		n.a.
S 6	17 16	14 6	5 16	15 20	0 53	0 58	0 37	16 25	1 1	3 53	1 32	2 52	2 42	20 56	0 3	19 26	1 21	26 22	16 14	14 42	14 30	19 24		n.a.
M 7	16 59	16 42	5 5	14 32	0 44	0 27	0 42	16 10	1 1	3 52	1 32	2 52	2 42	20 56	0 3	19 26	1 21	26 21	16 14	14 42	14 31	19 24		n.a.
T 8	16 41	18 35	4 41	13 44	0 34	0n 4	0 46	15 55	1 1	3 51	1 32	2 51	2 42	20 56	0 3	19 26	1 21	26 20	16 14	14 42	14 32	19 25		n.a.
W 9	16 23	19 40	4 5	12 55	0 23	0 35	0 51	15 40	1 0	3 51	1 32	2 50	2 42	20 56	0 3	19 26	1 21	26 20	16 14	14 43	14 33	19 26		n.a.
T 10	16 5	19 53	3 18	12 5	0 12	1 6	0 56	15 24	1 0	3 50	1 32	2 50	2 43	20 56	0 3	19 26	1 21	26 19	16 14	14 43	14 34	19 26		n.a.
F 11	15 47	19 11	2 22	11 14	0 0	1 37	1 0	15 9	1 0	3 49	1 33	2 49	2 43	20 56	0 3	19 26	1 21	26 19	16 13	14 43	14 35	19 27		n.a.
S 12	15 29	17 37	1 19	10 24	0n12	2 8	1 5	14 53	0 59	3 48	1 33	2 48	2 43	20 56	0 3	19 26	1 21	26 18	16 13	14 43	14 36	19 28		n.a.
S 13	15 10	15 12	0 12	9 34	0 24	2 39	1 10	14 37	0 59	3 47	1 33	2 47	2 43	20 56	0 3	19 26	1 20	26 17	16 13	14 43	14 37	19 28		n.a.
M14	14 51	12 3	0n58	8 44	0 37	3 10	1 15	14 21	0 59	3 46	1 33	2 46	2 44	20 56	0 3	19 26	1 20	26 17	16 13	14 43	14 38	19 29		n.a.
T 15	14 32	8 17	2 5	7 55	0 50	3 41	1 20	14 5	0 58	3 45	1 34	2 45	2 44	20 56	0 3	19 26	1 20	26 16	16 13	14 43	14 39	19 30		n.a.
W16	14 12	4 5	3 7	7 7	1 4	4 11	1 25	13 49	0 58	3 44	1 34	2 44	2 44	20 56	0 3	19 26	1 20	26 16	16 13	14 43	14 40	19 31		n.a.
T 17	13 52	0s22	4 1	6 21	1 17	4 42	1 30	13 33	0 58	3 43	1 34	2 43	2 44	20 56	0 3	19 26	1 20	26 15	16 13	14 43	14 41	19 31		n.a.
F 18	13 32	4 53	4 42	5 37	1 30	5 12	1 35	13 16	0 57	3 41	1 34	2 42	2 44	20 56	0 3	19 26	1 20	26 14	16 13	14 43	14 42	19 32		n.a.
S 19	13 12	9 13	5 8	4 54	1 43	5 42	1 39	13 0	0 57	3 40	1 34	2 41	2 45	20 56	0 3	19 26	1 20	26 14	16 13	14 44	14 43	19 33		n.a.
S 20	12 52	13 8	5 17	4 14	1 56	6 12	1 44	12 43	0 57	3 39	1 35	2 40	2 45	20 56	0 3	19 26	1 20	26 13	16 13	14 44	14 44	19 33		n.a.
M21	12 31	16 22	5 8	3 37	2 9	6 42	1 49	12 26	0 56	3 37	1 35	2 39	2 45	20 57	0 3	19 26	1 20	26 13	16 13	14 44	14 45	19 34		n.a.
T 22	12 11	18 40	4 39	3 3	2 21	7 12	1 54	12 10	0 56	3 36	1 35	2 38	2 45	20 57	0 3	19 26	1 20	26 12	16 13	14 43	14 46	19 35		n.a.
W23	11 50	19 49	3 53	2 32	2 32	7 41	1 59	11 53	0 56	3 34	1 35	2 37	2 45	20 57	0 3	19 26	1 20	26 11	16 13	14 43	14 47	19 35		n.a.
T 24	11 29	19 39	2 51	2 4	2 43	8 10	2 4	11 36	0 55	3 32	1 35	2 35	2 46	20 57	0 3	19 27	1 20	26 11	16 13	14 43	14 48	19 36		n.a.
F 25	11 8	18 11	1 39	1 40	2 53	8 39	2 9	11 19	0 55	3 31	1 36	2 34	2 46	20 57	0 3	19 27	1 20	26 10	16 13	14 43	14 49	19 37		n.a.
S 26	10 46	15 32	0 20	1 19	3 2	9 8	2 14	11 2	0 55	3 29	1 36	2 33	2 46	20 57	0 3	19 27	1 20	26 10	16 13	14 43	14 50	19 37		n.a.
S 27	10 25	11 58	0s59	1 2	3 10	9 37	2 19	10 44	0 54	3 27	1 36	2 32	2 46	20 57	0 3	19 27	1 20	26 9	16 13	14 43	14 51	19 38		n.a.
M28	10s 3	7s47	2s13	0s50	3n17	10n 5	2n24	10s27	0s54	3s25	1n36	2s30	2n46	20n57	0n 3	19n27	1s20	26s 9	16s13	14n43	14n52	19n39		n.a.

Julian Day Number = 1574258.5, Delta T = 04h15m38s
Ecliptic obliquity = 23°44'31, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'11, Lahiri = - 9°31'10 Julian Calendar 1 Feb. 403 BCE == Greg. Calendar 27 Jan. 403 BCE

The year -402 astronomical counting style corresponds to year 403 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

MARCH 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 13 8	5♓18'16	29♓19	20♓34	20♈53	6♓15	12°R 8	12°R35	2♊27	1♊39	1♓26	20°R51	20♌20	28♊ 2	n.a.	T 1
W 2	10 17 4	6°17'18	12♈41	20°R36	21°53	7° 0	12♎ 3	12♎32	2°28	1°39	1°28	20♌49	20°17	28° 9	n.a.	W 2
T 3	10 21 1	7°16'18	25°42	20°31	22°54	7°46	11°58	12°29	2°29	1°40	1°29	20°47	20°14	28°15	n.a.	T 3
F 4	10 24 57	8°15'16	8♉22	20°19	23°54	8°31	11°53	12°26	2°30	1°40	1°31	20°45	20°11	28°22	n.a.	F 4
S 5	10 28 54	9°14'12	20°44	20° 0	24°53	9°17	11°48	12°22	2°31	1°41	1°32	20°43	20° 7	28°29	n.a.	S 5
S 6	10 32 50	10°13'05	2♊51	19°36	25°52	10° 2	11°42	12°19	2°32	1°41	1°34	20°42	20° 4	28°35	n.a.	S 6
M 7	10 36 47	11°11'56	14°49	19° 7	26°51	10°47	11°37	12°16	2°33	1°42	1°35	20°D42	20° 1	28°42	n.a.	M 7
T 8	10 40 43	12°10'44	26°40	18°33	27°49	11°33	11°31	12°12	2°34	1°43	1°37	20°43	19°58	28°49	n.a.	T 8
W 9	10 44 40	13° 9'30	8♋32	17°55	28°47	12°18	11°25	12° 8	2°35	1°43	1°38	20°44	19°55	28°55	n.a.	W 9
T 10	10 48 36	14° 8'14	20°27	17°14	29°44	13° 3	11°19	12° 5	2°37	1°44	1°40	20°46	19°51	29° 2	n.a.	T 10
F 11	10 52 33	15° 6'56	2♌30	16°31	0♉41	13°48	11°13	12° 1	2°38	1°45	1°41	20°47	19°48	29° 9	n.a.	F 11
S 12	10 56 30	16° 5'35	14°46	15°46	1°37	14°33	11° 7	11°57	2°39	1°46	1°42	20°R48	19°45	29°16	n.a.	S 12
S 13	11 0 26	17° 4'12	27°16	15° 1	2°32	15°18	11° 1	11°54	2°41	1°46	1°44	20°48	19°42	29°22	n.a.	S 13
M14	11 4 23	18° 2'46	10♍ 3	14°16	3°27	16° 3	10°54	11°50	2°42	1°47	1°45	20°47	19°39	29°29	n.a.	M14
T 15	11 8 19	19° 1'19	23° 6	13°32	4°22	16°48	10°48	11°46	2°44	1°48	1°47	20°44	19°36	29°36	n.a.	T 15
W16	11 12 16	19°59'50	6♎27	12°50	5°16	17°33	10°41	11°42	2°45	1°49	1°48	20°40	19°32	29°42	n.a.	W16
T 17	11 16 12	20°58'18	20° 2	12°11	6° 9	18°18	10°34	11°38	2°47	1°50	1°50	20°36	19°29	29°49	n.a.	T 17
F 18	11 20 9	21°56'45	3♏51	11°35	7° 1	19° 3	10°27	11°34	2°48	1°51	1°51	20°31	19°26	29°56	n.a.	F 18
S 19	11 24 5	22°55'10	17°49	11° 2	7°53	19°47	10°21	11°30	2°50	1°52	1°52	20°27	19°23	0♋ 2	n.a.	S 19
S 20	11 28 2	23°53'34	1♐53	10°34	8°45	20°32	10°14	11°26	2°52	1°53	1°54	20°24	19°20	0° 9	n.a.	S 20
M21	11 31 59	24°51'56	16° 2	10°10	9°35	21°17	10° 6	11°22	2°54	1°54	1°55	20°22	19°16	0°16	n.a.	M21
T 22	11 35 55	25°50'16	0♑13	9°51	10°25	22° 1	9°59	11°17	2°55	1°55	1°57	20°D22	19°13	0°22	n.a.	T 22
W23	11 39 52	26°48'34	14°24	9°36	11°14	22°46	9°52	11°13	2°57	1°56	1°58	20°23	19°10	0°29	n.a.	W23
T 24	11 43 48	27°46'51	28°33	9°27	12° 2	23°30	9°45	11° 9	2°59	1°58	1°59	20°24	19° 7	0°36	n.a.	T 24
F 25	11 47 45	28°45'07	12♒39	9°D22	12°49	24°15	9°37	11° 5	3° 1	1°59	2° 1	20°25	19° 4	0°43	n.a.	F 25
S 26	11 51 41	29°43'20	26°38	9°23	13°36	24°59	9°30	11° 0	3° 3	2° 0	2° 2	20°R25	19° 1	0°49	n.a.	S 26
S 27	11 55 38	0♈41'32	10♓30	9°28	14°22	25°44	9°23	10°56	3° 5	2° 1	2° 4	20°24	18°57	0°56	n.a.	S 27
M28	11 59 34	1°39'42	24°10	9°39	15° 7	26°28	9°15	10°52	3° 7	2° 2	2° 5	20°20	18°54	1° 3	n.a.	M28
T 29	12 3 31	2°37'51	7♈36	9°54	15°50	27°12	9° 8	10°47	3° 9	2° 4	2° 6	20°14	18°51	1° 9	n.a.	T 29
W30	12 7 27	3°35'57	20°47	10°13	16°33	27°56	9° 0	10°43	3°11	2° 5	2° 7	20° 7	18°48	1°16	n.a.	W30
T 31	12 11 24	4♈34'02	3♉40	10♓37	17♉15	28♓41	8♎52	10♎38	3♊14	2♊ 6	2♓ 9	20♌ 0	18♌45	1♋23	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	9s41	3s17	3s17	0s41	3n23	10n33	2n29	10s10	0s53	3s23	1n36	2s29	2n47	20n58	0n 3	19n27	1s20	26s 8	16s13	14n43	14n54	19n39		n.a.
W 2	9 19	1n16	4 9	0 36	3 27	11 1	2 34	9 52	0 53	3 21	1 36	2 28	2 47	20 58	0 3	19 27	1 20	26 8	16 13	14 44	14 55	19 40		n.a.
T 3	8 57	5 37	4 46	0 36	3 30	11 28	2 39	9 35	0 53	3 19	1 36	2 26	2 47	20 58	0 3	19 27	1 19	26 7	16 13	14 45	14 56	19 40		n.a.
F 4	8 35	9 36	5 8	0 39	3 32	11 55	2 44	9 17	0 52	3 17	1 37	2 25	2 47	20 58	0 3	19 28	1 19	26 7	16 13	14 46	14 57	19 41		n.a.
S 5	8 12	13 5	5 16	0 46	3 32	12 22	2 49	8 59	0 52	3 14	1 37	2 23	2 47	20 58	0 3	19 28	1 19	26 6	16 13	14 46	14 58	19 42		n.a.
S 6	7 50	15 57	5 9	0 57	3 30	12 49	2 54	8 42	0 51	3 12	1 37	2 22	2 47	20 59	0 3	19 28	1 19	26 6	16 13	14 46	14 59	19 42		n.a.
M 7	7 27	18 5	4 48	1 12	3 27	13 15	2 59	8 24	0 51	3 10	1 37	2 20	2 48	20 59	0 3	19 28	1 19	26 5	16 13	14 47	15 0	19 43		n.a.
T 8	7 5	19 26	4 16	1 30	3 22	13 41	3 3	8 6	0 50	3 7	1 37	2 19	2 48	20 59	0 3	19 28	1 19	26 5	16 13	14 46	15 1	19 44		n.a.
W 9	6 42	19 56	3 32	1 51	3 15	14 6	3 8	7 48	0 50	3 5	1 37	2 17	2 48	20 59	0 3	19 29	1 19	26 4	16 13	14 46	15 2	19 44		n.a.
T 10	6 19	19 32	2 39	2 14	3 7	14 31	3 13	7 30	0 50	3 2	1 37	2 16	2 48	21 0	0 3	19 29	1 19	26 4	16 14	14 45	15 3	19 45		n.a.
F 11	5 56	18 15	1 39	2 40	2 57	14 56	3 17	7 12	0 49	3 0	1 38	2 14	2 48	21 0	0 3	19 29	1 19	26 3	16 14	14 45	15 4	19 45		n.a.
S 12	5 33	16 5	0 33	3 8	2 46	15 20	3 22	6 54	0 49	2 57	1 38	2 13	2 48	21 0	0 3	19 29	1 19	26 3	16 14	14 44	15 5	19 46		n.a.
S 13	5 10	13 8	0n35	3 37	2 34	15 44	3 27	6 36	0 48	2 55	1 38	2 11	2 48	21 0	0 3	19 29	1 19	26 2	16 14	14 44	15 6	19 47		n.a.
M14	4 47	9 30	1 44	4 6	2 21	16 8	3 31	6 18	0 48	2 52	1 38	2 9	2 48	21 1	0 3	19 30	1 19	26 2	16 14	14 45	15 7	19 47		n.a.
T 15	4 24	5 20	2 48	4 37	2 6	16 31	3 36	6 0	0 47	2 50	1 38	2 8	2 49	21 1	0 3	19 30	1 19	26 1	16 14	14 46	15 8	19 48		n.a.
W16	4 1	0 50	3 44	5 7	1 51	16 53	3 40	5 42	0 47	2 47	1 38	2 6	2 49	21 1	0 3	19 30	1 19	26 1	16 14	14 47	15 9	19 48		n.a.
T 17	3 37	3s47	4 29	5 36	1 36	17 16	3 44	5 24	0 46	2 44	1 38	2 4	2 49	21 2	0 3	19 30	1 19	26 0	16 14	14 48	15 10	19 49		n.a.
F 18	3 14	8 16	4 59	6 5	1 20	17 37	3 49	5 5	0 46	2 41	1 38	2 3	2 49	21 2	0 3	19 31	1 19	26 0	16 14	14 50	15 11	19 49		n.a.
S 19	2 51	12 22	5 12	6 32	1 4	17 59	3 53	4 47	0 45	2 39	1 38	2 1	2 49	21 2	0 3	19 31	1 19	26 0	16 15	14 51	15 12	19 50		n.a.
S 20	2 27	15 48	5 6	6 58	0 47	18 19	3 57	4 29	0 45	2 36	1 38	1 59	2 49	21 3	0 3	19 31	1 19	25 59	16 15	14 52	15 13	19 51		n.a.
M21	2 4	18 20	4 41	7 22	0 31	18 40	4 1	4 11	0 44	2 33	1 38	1 58	2 49	21 3	0 3	19 31	1 19	25 59	16 15	14 53	15 14	19 51		n.a.
T 22	1 40	19 45	4 0	7 45	0 15	19 0	4 5	3 52	0 44	2 30	1 38	1 56	2 49	21 3	0 3	19 32	1 18	25 58	16 15	14 53	15 15	19 52		n.a.
W23	1 17	19 55	3 4	8 5	0s 1	19 19	4 9	3 34	0 43	2 27	1 38	1 54	2 49	21 4	0 3	19 32	1 18	25 58	16 15	14 53	15 16	19 52		n.a.
T 24	0 54	18 49	1 56	8 22	0 16	19 38	4 12	3 16	0 43	2 24	1 38	1 52	2 49	21 4	0 3	19 32	1 18	25 58	16 15	14 52	15 17	19 53		n.a.
F 25	0 30	16 33	0 42	8 38	0 31	19 56	4 16	2 58	0 42	2 21	1 38	1 51	2 49	21 4	0 3	19 32	1 18	25 57	16 15	14 52	15 18	19 53		n.a.
S 26	0 7	13 19	0s34	8 50	0 45	20 14	4 19	2 39	0 42	2 18	1 38	1 49	2 50	21 5	0 3	19 33	1 18	25 57	16 16	14 52	15 19	19 54		n.a.
S 27	0n17	9 22	1 47	9 1	0 58	20 31	4 23	2 21	0 41	2 15	1 38	1 47	2 50	21 5	0 3	19 33	1 18	25 56	16 16	14 52	15 20	19 55		n.a.
M28	0 40	4 59	2 53	9 9	1 11	20 48	4 26	2 3	0 41	2 12	1 39	1 45	2 50	21 6	0 3	19 33	1 18	25 56	16 16	14 54	15 21	19 55		n.a.
T 29	1 4	0 25	3 48	9 14	1 23	21 4	4 29	1 45	0 40	2 9	1 38	1 43	2 50	21 6	0 3	19 34	1 18	25 56	16 16	14 55	15 22	19 56		n.a.
W30	1 27	4n 4	4 29	9 17	1 35	21 20	4 32	1 26	0 40	2 6	1 38	1 42	2 50	21 7	0 3	19 34	1 18	25 56	16 16	14 58	15 23	19 56		n.a.
T 31	1n50	8n16	4s56	9s18	1s45	21n35	4n35	1s 8	0s39	2s 3	1n38	1s40	2n50	21n 7	0n 3	19n34	1s18	25s55	16s17	15n 0	15n24	19n57		n.a.

Julian Day Number = 1574286.5, Delta T = 04h15m36s
Ecliptic obliquity = 23°44'32, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'07, Lahiri = - 9°31'06 Julian Calendar 1 March 403 BCE == Greg. Calendar 24 Feb. 403 BCE

The year -402 astronomical counting style corresponds to year 403 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

APRIL 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 15 21	5♈32'04	16♉17	11♓ 6	17♉56	29♓25	8°R45	10°R34	3♊16	2♊ 8	2♓10	19°R52	18♌42	1♋29	n.a.	F 1
S 2	12 19 17	6°30'05	28°37	11°38	18°35	0♈ 9	8♎37	10♎29	3°18	2° 9	2°11	19♌45	18°38	1°36	n.a.	S 2
S 3	12 23 14	7°28'04	10♊44	12°15	19°14	0°53	8°29	10°25	3°21	2°11	2°13	19°40	18°35	1°43	n.a.	S 3
M 4	12 27 10	8°26'01	22°42	12°55	19°51	1°37	8°22	10°21	3°23	2°12	2°14	19°36	18°32	1°49	n.a.	M 4
T 5	12 31 7	9°23'56	4♋33	13°39	20°27	2°20	8°14	10°16	3°25	2°14	2°15	19°D35	18°29	1°56	n.a.	T 5
W 6	12 35 3	10°21'49	16°24	14°26	21° 2	3° 4	8° 7	10°12	3°28	2°15	2°16	19°35	18°26	2° 3	n.a.	W 6
T 7	12 39 0	11°19'41	28°19	15°17	21°36	3°48	7°59	10° 7	3°30	2°17	2°18	19°36	18°22	2° 9	n.a.	T 7
F 8	12 42 56	12°17'30	10♌24	16°12	22° 8	4°32	7°51	10° 3	3°33	2°18	2°19	19°37	18°19	2°16	n.a.	F 8
S 9	12 46 53	13°15'18	22°43	17° 9	22°38	5°15	7°44	9°58	3°35	2°20	2°20	19°R37	18°16	2°23	n.a.	S 9
S 10	12 50 50	14°13'03	5♍21	18° 9	23° 7	5°59	7°36	9°54	3°38	2°21	2°21	19°36	18°13	2°30	n.a.	S 10
M11	12 54 46	15°10'47	18°20	19°13	23°35	6°43	7°29	9°49	3°41	2°23	2°22	19°33	18°10	2°36	n.a.	M11
T 12	12 58 43	16° 8'30	1♎41	20°19	24° 1	7°26	7°21	9°45	3°43	2°25	2°23	19°27	18° 7	2°43	n.a.	T 12
W13	13 2 39	17° 6'10	15°24	21°28	24°25	8° 9	7°14	9°40	3°46	2°26	2°25	19°19	18° 3	2°50	n.a.	W13
T 14	13 6 36	18° 3'50	29°25	22°40	24°47	8°53	7° 6	9°36	3°49	2°28	2°26	19°10	18° 0	2°56	n.a.	T 14
F 15	13 10 32	19° 1'28	13♏41	23°54	25° 8	9°36	6°59	9°32	3°51	2°30	2°27	19° 1	17°57	3° 3	n.a.	F 15
S 16	13 14 29	19°59'04	28° 6	25°11	25°27	10°19	6°52	9°27	3°54	2°31	2°28	18°52	17°54	3°10	n.a.	S 16
S 17	13 18 25	20°56'40	12♐32	26°31	25°44	11° 3	6°44	9°23	3°57	2°33	2°29	18°46	17°51	3°16	n.a.	S 17
M18	13 22 22	21°54'14	26°57	27°53	25°59	11°46	6°37	9°19	4° 0	2°35	2°30	18°41	17°48	3°23	n.a.	M18
T 19	13 26 19	22°51'48	11♑14	29°17	26°12	12°29	6°30	9°14	4° 3	2°37	2°31	18°39	17°44	3°30	n.a.	T 19
W20	13 30 15	23°49'20	25°23	0♈44	26°22	13°12	6°23	9°10	4° 6	2°38	2°32	18°D38	17°41	3°36	n.a.	W20
T 21	13 34 12	24°46'52	9♒21	2°14	26°31	13°55	6°16	9° 6	4° 9	2°40	2°33	18°38	17°38	3°43	n.a.	T 21
F 22	13 38 8	25°44'22	23° 9	3°45	26°38	14°38	6° 9	9° 2	4°12	2°42	2°34	18°R39	17°35	3°50	n.a.	F 22
S 23	13 42 5	26°41'52	6♓46	5°19	26°42	15°21	6° 2	8°58	4°15	2°44	2°35	18°37	17°32	3°56	n.a.	S 23
S 24	13 46 1	27°39'20	20°13	6°55	26°R44	16° 4	5°56	8°53	4°18	2°46	2°36	18°34	17°28	4° 3	n.a.	S 24
M25	13 49 58	28°36'47	3♈29	8°34	26°44	16°47	5°49	8°49	4°21	2°48	2°37	18°27	17°25	4°10	n.a.	M25
T 26	13 53 54	29°34'14	16°34	10°15	26°41	17°29	5°42	8°45	4°24	2°50	2°38	18°18	17°22	4°16	n.a.	T 26
W27	13 57 51	0♉31'39	29°26	11°58	26°36	18°12	5°36	8°41	4°27	2°52	2°39	18° 7	17°19	4°23	n.a.	W27
T 28	14 1 47	1°29'04	12♉ 6	13°44	26°29	18°55	5°30	8°37	4°30	2°54	2°40	17°55	17°16	4°30	n.a.	T 28
F 29	14 5 44	2°26'27	24°32	15°32	26°19	19°37	5°24	8°33	4°33	2°56	2°40	17°43	17°13	4°37	n.a.	F 29
S 30	14 9 41	3♉23'49	6♊46	17♈22	26♉ 7	20♈20	5♎18	8♎30	4♊36	2♊58	2♓41	17♌31	17♌ 9	4♋43	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	2n14	12n 0	5s 8	9s16	1s55	21n49	4n37	0s50	0s39	2s 0	1n38	1s38	2n50	21n 7	0n 3	19n35	1s18	25s55	16s17	15n 2	15n25	19n57		n.a.
S 2	2 37	15 9	5 5	9 12	2 5	22 3	4 40	0 32	0 38	1 57	1 38	1 36	2 50	21 8	0 3	19 35	1 18	25 55	16 17	15 5	15 26	19 58		n.a.
S 3	3 0	17 35	4 48	9 6	2 13	22 16	4 42	0 13	0 38	1 54	1 38	1 35	2 50	21 8	0 3	19 35	1 18	25 54	16 17	15 6	15 27	19 58		n.a.
M 4	3 23	19 14	4 19	8 57	2 21	22 29	4 44	0n 5	0 37	1 51	1 38	1 33	2 50	21 9	0 3	19 36	1 18	25 54	16 17	15 7	15 28	19 59		n.a.
T 5	3 46	20 1	3 39	8 46	2 27	22 40	4 46	0 23	0 37	1 48	1 38	1 31	2 50	21 9	0 3	19 36	1 18	25 54	16 18	15 8	15 29	19 59		n.a.
W 6	4 9	19 55	2 49	8 33	2 34	22 52	4 48	0 41	0 36	1 45	1 38	1 29	2 50	21 10	0 3	19 36	1 18	25 53	16 18	15 8	15 30	20 0		n.a.
T 7	4 32	18 56	1 52	8 18	2 39	23 2	4 49	0 59	0 36	1 42	1 38	1 28	2 50	21 10	0 3	19 37	1 18	25 53	16 18	15 8	15 31	20 0		n.a.
F 8	4 55	17 4	0 49	8 1	2 44	23 12	4 51	1 17	0 35	1 39	1 38	1 26	2 50	21 11	0 3	19 37	1 18	25 53	16 18	15 7	15 32	20 1		n.a.
S 9	5 18	14 23	0n17	7 42	2 48	23 21	4 52	1 35	0 35	1 36	1 38	1 24	2 50	21 11	0 3	19 37	1 18	25 53	16 19	15 7	15 33	20 1		n.a.
S 10	5 41	10 58	1 23	7 21	2 51	23 30	4 53	1 53	0 34	1 33	1 38	1 22	2 50	21 12	0 3	19 38	1 18	25 53	16 19	15 8	15 34	20 2		n.a.
M11	6 3	6 56	2 28	6 58	2 53	23 38	4 53	2 11	0 34	1 30	1 38	1 21	2 50	21 12	0 3	19 38	1 18	25 52	16 19	15 9	15 35	20 2		n.a.
T 12	6 26	2 28	3 26	6 33	2 55	23 45	4 53	2 29	0 33	1 28	1 38	1 19	2 50	21 13	0 3	19 38	1 18	25 52	16 19	15 10	15 36	20 3		n.a.
W13	6 48	2s15	4 13	6 7	2 56	23 51	4 53	2 47	0 32	1 25	1 38	1 17	2 50	21 13	0 3	19 39	1 17	25 52	16 19	15 13	15 37	20 3		n.a.
T 14	7 10	6 57	4 47	5 39	2 57	23 56	4 53	3 5	0 32	1 22	1 38	1 15	2 50	21 14	0 3	19 39	1 17	25 52	16 20	15 16	15 38	20 4		n.a.
F 15	7 32	11 20	5 3	5 9	2 56	24 1	4 53	3 22	0 31	1 19	1 37	1 14	2 49	21 14	0 3	19 40	1 17	25 52	16 20	15 19	15 39	20 4		n.a.
S 16	7 55	15 6	5 0	4 37	2 56	24 5	4 52	3 40	0 31	1 16	1 37	1 12	2 49	21 15	0 3	19 40	1 17	25 51	16 20	15 21	15 40	20 5		n.a.
S 17	8 16	17 59	4 39	4 4	2 54	24 8	4 50	3 58	0 30	1 13	1 37	1 10	2 49	21 15	0 3	19 40	1 17	25 51	16 21	15 24	15 41	20 5		n.a.
M18	8 38	19 43	3 59	3 29	2 52	24 10	4 49	4 15	0 30	1 11	1 37	1 9	2 49	21 16	0 3	19 41	1 17	25 51	16 21	15 25	15 42	20 6		n.a.
T 19	9 0	20 11	3 6	2 52	2 49	24 11	4 47	4 33	0 29	1 8	1 37	1 7	2 49	21 17	0 3	19 41	1 17	25 51	16 21	15 26	15 43	20 6		n.a.
W20	9 22	19 21	2 1	2 14	2 46	24 11	4 45	4 50	0 29	1 5	1 37	1 6	2 49	21 17	0 3	19 41	1 17	25 51	16 21	15 26	15 44	20 7		n.a.
T 21	9 43	17 21	0 49	1 35	2 42	24 11	4 42	5 8	0 28	1 3	1 37	1 4	2 49	21 18	0 3	19 42	1 17	25 51	16 22	15 26	15 45	20 7		n.a.
F 22	10 4	14 21	0s24	0 54	2 38	24 9	4 39	5 25	0 27	1 0	1 36	1 2	2 49	21 18	0 3	19 42	1 17	25 51	16 22	15 26	15 46	20 7		n.a.
S 23	10 25	10 36	1 35	0 11	2 32	24 7	4 35	5 42	0 27	0 57	1 36	1 1	2 49	21 19	0 3	19 43	1 17	25 50	16 22	15 26	15 47	20 8		n.a.
S 24	10 46	6 22	2 39	0n32	2 27	24 4	4 31	6 0	0 26	0 55	1 36	0 59	2 49	21 19	0 3	19 43	1 17	25 50	16 23	15 27	15 48	20 8		n.a.
M25	11 7	1 52	3 34	1 17	2 21	23 59	4 26	6 17	0 26	0 52	1 36	0 58	2 49	21 20	0 3	19 43	1 17	25 50	16 23	15 29	15 48	20 9		n.a.
T 26	11 28	2n38	4 17	2 4	2 14	23 54	4 21	6 34	0 25	0 50	1 36	0 56	2 48	21 21	0 3	19 44	1 17	25 50	16 23	15 32	15 49	20 9		n.a.
W27	11 48	6 58	4 46	2 51	2 7	23 47	4 16	6 51	0 24	0 48	1 35	0 55	2 48	21 21	0 3	19 44	1 17	25 50	16 23	15 35	15 50	20 10		n.a.
T 28	12 8	10 54	5 0	3 40	1 59	23 40	4 10	7 8	0 24	0 45	1 35	0 53	2 48	21 22	0 3	19 45	1 17	25 50	16 24	15 39	15 51	20 10		n.a.
F 29	12 28	14 18	4 59	4 29	1 51	23 31	4 3	7 25	0 23	0 43	1 35	0 52	2 48	21 22	0 3	19 45	1 17	25 50	16 24	15 43	15 52	20 10		n.a.
S 30	12n48	17n 2	4s45	5n20	1s42	23n21	3n56	7n41	0s23	0s41	1n35	0s51	2n48	21n23	0n 3	19n46	1s17	25s50	16s24	15n47	15n53	20n11		n.a.

Julian Day Number = 1574317.5, Delta T = 04h15m35s
Ecliptic obliquity = 23°44'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°38'03, Lahiri = - 9°31'02 Julian Calendar 1 Apr. 403 BCE == Greg. Calendar 27 March 403 BCE

The year -402 astronomical counting style corresponds to year 403 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

MAY 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 13 37	4♉21'10	18♊49	19♈15	25°R53	21♈ 2	5°R12	8°R26	4♊40	3♊ 0	2♓42	17°R22	17♌ 6	4♋50	n.a.	S 1
M 2	14 17 34	5°18'30	0♋43	21° 9	25♉36	21°45	5♎ 6	8♎22	4°43	3° 2	2°43	17♌15	17° 3	4°57	n.a.	M 2
T 3	14 21 30	6°15'49	12°33	23° 6	25°16	22°27	5° 0	8°18	4°46	3° 4	2°44	17°10	17° 0	5° 3	n.a.	T 3
W 4	14 25 27	7°13'07	24°22	25° 5	24°55	23°10	4°55	8°15	4°49	3° 6	2°44	17° 8	16°57	5°10	n.a.	W 4
T 5	14 29 23	8°10'24	6♌16	27° 6	24°31	23°52	4°49	8°11	4°53	3° 8	2°45	17°D 8	16°53	5°17	n.a.	T 5
F 6	14 33 20	9° 7'39	18°20	29° 9	24° 5	24°34	4°44	8° 8	4°56	3°10	2°46	17°R 8	16°50	5°23	n.a.	F 6
S 7	14 37 17	10° 4'53	0♍39	1♉13	23°37	25°16	4°39	8° 4	4°59	3°12	2°47	17° 7	16°47	5°30	n.a.	S 7
S 8	14 41 13	11° 2'07	13°19	3°20	23° 8	25°58	4°34	8° 1	5° 3	3°14	2°47	17° 5	16°44	5°37	n.a.	S 8
M 9	14 45 10	11°59'19	26°22	5°27	22°36	26°40	4°29	7°58	5° 6	3°16	2°48	17° 1	16°41	5°43	n.a.	M 9
T 10	14 49 6	12°56'30	9♎52	7°36	22° 3	27°22	4°24	7°54	5° 9	3°18	2°49	16°54	16°38	5°50	n.a.	T 10
W11	14 53 3	13°53'41	23°49	9°46	21°29	28° 4	4°20	7°51	5°13	3°20	2°49	16°45	16°34	5°57	n.a.	W11
T 12	14 56 59	14°50'51	8♏10	11°57	20°54	28°46	4°16	7°48	5°16	3°22	2°50	16°34	16°31	6° 3	n.a.	T 12
F 13	15 0 56	15°48'00	22°48	14° 8	20°17	29°28	4°11	7°45	5°20	3°25	2°50	16°23	16°28	6°10	n.a.	F 13
S 14	15 4 52	16°45'09	7♐38	16°20	19°40	0♑10	4° 7	7°42	5°23	3°27	2°51	16°13	16°25	6°17	n.a.	S 14
S 15	15 8 49	17°42'17	22°29	18°32	19° 3	0°52	4° 3	7°39	5°27	3°29	2°52	16° 4	16°22	6°23	n.a.	S 15
M16	15 12 46	18°39'26	7♑14	20°43	18°25	1°33	4° 0	7°36	5°30	3°31	2°52	15°58	16°19	6°30	n.a.	M16
T 17	15 16 42	19°36'34	21°47	22°54	17°48	2°15	3°56	7°33	5°34	3°33	2°53	15°55	16°15	6°37	n.a.	T 17
W18	15 20 39	20°33'41	6♒ 4	25° 4	17°10	2°56	3°53	7°31	5°37	3°35	2°53	15°53	16°12	6°43	n.a.	W18
T 19	15 24 35	21°30'49	20° 3	27°12	16°33	3°38	3°50	7°28	5°41	3°38	2°53	15°53	16° 9	6°50	n.a.	T 19
F 20	15 28 32	22°27'56	3♓44	29°20	15°57	4°19	3°47	7°26	5°44	3°40	2°54	15°53	16° 6	6°57	n.a.	F 20
S 21	15 32 28	23°25'04	17° 9	1♊26	15°22	5° 1	3°44	7°23	5°48	3°42	2°54	15°51	16° 3	7° 3	n.a.	S 21
S 22	15 36 25	24°22'11	0♈20	3°31	14°48	5°42	3°41	7°21	5°51	3°44	2°55	15°47	15°59	7°10	n.a.	S 22
M23	15 40 21	25°19'18	13°17	5°34	14°16	6°24	3°38	7°19	5°55	3°46	2°55	15°41	15°56	7°17	n.a.	M23
T 24	15 44 18	26°16'26	26° 2	7°35	13°45	7° 5	3°36	7°16	5°58	3°49	2°55	15°32	15°53	7°23	n.a.	T 24
W25	15 48 15	27°13'33	8♉36	9°35	13°15	7°46	3°34	7°14	6° 2	3°51	2°56	15°20	15°50	7°30	n.a.	W25
T 26	15 52 11	28°10'40	21° 0	11°32	12°48	8°27	3°32	7°12	6° 5	3°53	2°56	15° 7	15°47	7°37	n.a.	T 26
F 27	15 56 8	29° 7'47	3♊14	13°28	12°22	9° 8	3°30	7°10	6° 9	3°55	2°56	14°54	15°44	7°44	n.a.	F 27
S 28	16 0 4	0♊ 4'54	15°18	15°21	11°59	9°50	3°28	7° 9	6°13	3°58	2°57	14°42	15°40	7°50	n.a.	S 28
S 29	16 4 1	1° 2'01	27°15	17°12	11°38	10°31	3°27	7° 7	6°16	4° 0	2°57	14°32	15°37	7°57	n.a.	S 29
M30	16 7 57	1°59'08	9♋ 6	19° 2	11°19	11°12	3°26	7° 5	6°20	4° 2	2°57	14°25	15°34	8° 4	n.a.	M30
T 31	16 11 54	2♊56'15	20♋53	20♊49	11♉ 2	11♉52	3♎25	7♎ 4	6♊23	4♊ 4	2♓57	14♌20	15♌31	8♋10	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	13n 8	18n59	4s18	6n11	1s33	23n10	3n49	7n58	0s22	0s39	1n35	0s49	2n48	21n23	0n 3	19n46	1s17	25s50	16s25	15n50	15n54	20n11			n.a.
M 2	13 27	20 5	3 40	7 4	1 24	22 58	3 41	8 15	0 22	0 37	1 34	0 48	2 48	21 24	0 3	19 46	1 17	25 50	16 25	15 52	15 55	20 12			n.a.
T 3	13 47	20 17	2 52	7 57	1 14	22 45	3 32	8 31	0 21	0 34	1 34	0 46	2 48	21 25	0 3	19 47	1 17	25 50	16 25	15 53	15 56	20 12			n.a.
W 4	14 6	19 35	1 58	8 50	1 4	22 31	3 23	8 48	0 20	0 32	1 34	0 45	2 47	21 25	0 3	19 47	1 17	25 50	16 26	15 54	15 57	20 13			n.a.
T 5	14 25	18 1	0 57	9 44	0 54	22 15	3 13	9 4	0 20	0 30	1 34	0 44	2 47	21 26	0 3	19 48	1 17	25 50	16 26	15 54	15 58	20 13			n.a.
F 6	14 43	15 38	0n 6	10 38	0 43	21 59	3 3	9 20	0 19	0 29	1 34	0 43	2 47	21 27	0 3	19 48	1 17	25 50	16 26	15 54	15 59	20 13			n.a.
S 7	15 1	12 29	1 11	11 32	0 32	21 41	2 52	9 37	0 19	0 27	1 33	0 41	2 47	21 27	0 3	19 48	1 17	25 50	16 27	15 54	16 0	20 14			n.a.
S 8	15 20	8 42	2 14	12 26	0 22	21 23	2 41	9 53	0 18	0 25	1 33	0 40	2 47	21 28	0 3	19 49	1 17	25 50	16 27	15 55	16 1	20 14			n.a.
M 9	15 38	4 23	3 12	13 20	0 11	21 3	2 29	10 9	0 17	0 23	1 33	0 39	2 47	21 28	0 3	19 49	1 17	25 50	16 27	15 56	16 2	20 15			n.a.
T 10	15 55	0s17	4 1	14 13	0 0	20 43	2 17	10 24	0 17	0 22	1 33	0 38	2 46	21 29	0 3	19 50	1 17	25 50	16 28	15 58	16 3	20 15			n.a.
W11	16 13	5 4	4 37	15 6	0n11	20 22	2 5	10 40	0 16	0 20	1 32	0 37	2 46	21 30	0 3	19 50	1 17	25 50	16 28	16 1	16 4	20 15			n.a.
T 12	16 30	9 43	4 57	15 57	0 21	20 0	1 52	10 56	0 16	0 19	1 32	0 36	2 46	21 30	0 3	19 51	1 17	25 51	16 28	16 4	16 5	20 16			n.a.
F 13	16 47	13 54	4 59	16 47	0 31	19 37	1 39	11 11	0 15	0 17	1 32	0 35	2 46	21 31	0 3	19 51	1 17	25 51	16 29	16 8	16 6	20 16			n.a.
S 14	17 3	17 15	4 40	17 35	0 41	19 14	1 25	11 27	0 14	0 16	1 32	0 34	2 46	21 32	0 3	19 51	1 17	25 51	16 29	16 11	16 7	20 16			n.a.
S 15	17 20	19 29	4 3	18 22	0 51	18 51	1 11	11 42	0 14	0 14	1 31	0 33	2 45	21 32	0 3	19 52	1 16	25 51	16 30	16 13	16 8	20 17			n.a.
M16	17 36	20 24	3 9	19 7	1 0	18 27	0 58	11 58	0 13	0 13	1 31	0 32	2 45	21 33	0 3	19 52	1 16	25 51	16 30	16 15	16 9	20 17			n.a.
T 17	17 51	19 55	2 4	19 50	1 8	18 3	0 44	12 13	0 12	0 12	1 31	0 31	2 45	21 33	0 3	19 53	1 16	25 51	16 30	16 16	16 10	20 17			n.a.
W18	18 7	18 10	0 52	20 30	1 16	17 39	0 30	12 28	0 12	0 11	1 30	0 30	2 45	21 34	0 3	19 53	1 16	25 51	16 31	16 17	16 11	20 18			n.a.
T 19	18 22	15 20	0s22	21 8	1 24	17 15	0 16	12 43	0 11	0 10	1 30	0 29	2 45	21 35	0 3	19 54	1 16	25 51	16 31	16 17	16 12	20 18			n.a.
F 20	18 37	11 42	1 33	21 44	1 30	16 51	0 2	12 57	0 11	0 9	1 30	0 28	2 44	21 35	0 3	19 54	1 16	25 52	16 31	16 17	16 13	20 18			n.a.
S 21	18 52	7 33	2 37	22 17	1 36	16 27	0s12	13 12	0 10	0 8	1 30	0 28	2 44	21 36	0 3	19 55	1 16	25 52	16 32	16 17	16 14	20 19			n.a.
S 22	19 6	3 6	3 32	22 47	1 42	16 4	0 26	13 27	0 9	0 7	1 29	0 27	2 44	21 37	0 3	19 55	1 16	25 52	16 32	16 18	16 15	20 19			n.a.
M23	19 20	1n24	4 15	23 15	1 47	15 42	0 39	13 41	0 9	0 6	1 29	0 26	2 44	21 37	0 3	19 55	1 16	25 52	16 32	16 20	16 16	20 19			n.a.
T 24	19 34	5 46	4 44	23 40	1 51	15 20	0 53	13 55	0 8	0 6	1 29	0 25	2 43	21 38	0 3	19 56	1 16	25 52	16 33	16 23	16 17	20 20			n.a.
W25	19 47	9 50	4 59	24 3	1 54	14 59	1 6	14 10	0 7	0 5	1 28	0 25	2 43	21 39	0 3	19 56	1 16	25 53	16 33	16 26	16 18	20 20			n.a.
T 26	20 0	13 25	4 59	24 23	1 57	14 38	1 18	14 24	0 7	0 5	1 28	0 24	2 43	21 39	0 3	19 57	1 16	25 53	16 34	16 30	16 18	20 20			n.a.
F 27	20 13	16 23	4 46	24 40	1 59	14 19	1 30	14 38	0 6	0 4	1 28	0 24	2 43	21 40	0 3	19 57	1 16	25 53	16 34	16 34	16 19	20 21			n.a.
S 28	20 25	18 37	4 20	24 55	2 0	14 0	1 42	14 51	0 6	0 4	1 28	0 23	2 43	21 40	0 3	19 58	1 16	25 53	16 34	16 38	16 20	20 21			n.a.
S 29	20 37	20 1	3 42	25 7	2 0	13 43	1 54	15 5	0 5	0 3	1 27	0 23	2 42	21 41	0 3	19 58	1 16	25 54	16 35	16 41	16 21	20 21			n.a.
M30	20 49	20 31	2 55	25 17	2 0	13 27	2 4	15 18	0 4	0 3	1 27	0 22	2 42	21 42	0 3	19 58	1 16	25 54	16 35	16 43	16 22	20 22			n.a.
T 31	21n 1	20n 6	2s 1	25n24	2n 0	13n11	2s15	15n32	0s 4	0s 3	1n27	0s22	2n42	21n42	0n 3	19n59	1s16	25s54	16s35	16n44	16n23	20n22			n.a.

Julian Day Number = 1574347.5, Delta T = 04h15m34s
Ecliptic obliquity = 23°44'32, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'59, Lahiri = - 9°30'58 Julian Calendar 1 May 403 BCE == Greg. Calendar 26 Apr. 403 BCE

The year -402 astronomical counting style corresponds to year 403 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

JUNE 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 15 50	3♊53'21	2♌41	22♊34	10°R48	12♉33	3°R24	7°R 2	6♊27	4♊ 6	2♓57	14°R18	15♌28	8♋17	n.a.	W 1
T 2	16 19 47	4°50'27	14°34	24°17	10♉36	13°14	3♎23	7♎ 1	6°31	4° 9	2°58	14°D17	15°25	8°24	n.a.	T 2
F 3	16 23 44	5°47'33	26°37	25°58	10°26	13°55	3°22	6°59	6°34	4°11	2°58	14♌17	15°21	8°30	n.a.	F 3
S 4	16 27 40	6°44'39	8♍54	27°36	10°19	14°36	3°22	6°58	6°38	4°13	2°58	14°R18	15°18	8°37	n.a.	S 4
S 5	16 31 37	7°41'45	21°31	29°13	10°14	15°16	3°22	6°57	6°41	4°15	2°58	14°17	15°15	8°44	n.a.	S 5
M 6	16 35 33	8°38'51	4♎34	0♋47	10°12	15°57	3°D22	6°56	6°45	4°18	2°58	14°14	15°12	8°50	n.a.	M 6
T 7	16 39 30	9°35'57	18° 4	2°20	10°D12	16°37	3°22	6°55	6°49	4°20	2°58	14° 9	15° 9	8°57	n.a.	T 7
W 8	16 43 26	10°33'02	2♏ 3	3°50	10°14	17°18	3°22	6°54	6°52	4°22	2°R58	14° 2	15° 5	9° 4	n.a.	W 8
T 9	16 47 23	11°30'08	16°30	5°18	10°18	17°58	3°23	6°54	6°56	4°24	2°58	13°53	15° 2	9°10	n.a.	T 9
F 10	16 51 19	12°27'15	1♐20	6°44	10°25	18°39	3°24	6°53	6°59	4°27	2°58	13°44	14°59	9°17	n.a.	F 10
S 11	16 55 16	13°24'21	16°25	8° 8	10°34	19°19	3°24	6°52	7° 3	4°29	2°58	13°36	14°56	9°24	n.a.	S 11
S 12	16 59 13	14°21'28	1♑34	9°29	10°44	19°59	3°26	6°52	7° 7	4°31	2°58	13°29	14°53	9°30	n.a.	S 12
M13	17 3 9	15°18'36	16°38	10°48	10°57	20°40	3°27	6°52	7°10	4°33	2°58	13°24	14°50	9°37	n.a.	M13
T 14	17 7 6	16°15'44	1♒29	12° 5	11°12	21°20	3°28	6°51	7°14	4°35	2°58	13°21	14°46	9°44	n.a.	T 14
W15	17 11 2	17°12'53	16° 0	13°19	11°29	22° 0	3°30	6°51	7°17	4°38	2°58	13°D21	14°43	9°50	n.a.	W15
T 16	17 14 59	18°10'03	0♓ 9	14°31	11°48	22°40	3°32	6°D51	7°21	4°40	2°57	13°21	14°40	9°57	n.a.	T 16
F 17	17 18 55	19° 7'13	13°54	15°41	12° 9	23°20	3°34	6°51	7°24	4°42	2°57	13°R22	14°37	10° 4	n.a.	F 17
S 18	17 22 52	20° 4'25	27°17	16°48	12°31	24° 0	3°36	6°51	7°28	4°44	2°57	13°22	14°34	10°10	n.a.	S 18
S 19	17 26 49	21° 1'37	10♈21	17°52	12°55	24°40	3°38	6°51	7°32	4°46	2°57	13°20	14°31	10°17	n.a.	S 19
M20	17 30 45	21°58'50	23° 7	18°53	13°21	25°20	3°40	6°52	7°35	4°48	2°57	13°16	14°27	10°24	n.a.	M20
T 21	17 34 42	22°56'04	5♉40	19°52	13°48	26° 0	3°43	6°52	7°39	4°51	2°56	13°10	14°24	10°30	n.a.	T 21
W22	17 38 38	23°53'19	18° 0	20°47	14°17	26°40	3°46	6°53	7°42	4°53	2°56	13° 3	14°21	10°37	n.a.	W22
T 23	17 42 35	24°50'36	0♊10	21°39	14°47	27°20	3°49	6°53	7°46	4°55	2°56	12°54	14°18	10°44	n.a.	T 23
F 24	17 46 31	25°47'53	12°13	22°28	15°19	27°59	3°52	6°54	7°49	4°57	2°55	12°45	14°15	10°50	n.a.	F 24
S 25	17 50 28	26°45'11	24° 9	23°14	15°52	28°39	3°56	6°55	7°53	4°59	2°55	12°37	14°11	10°57	n.a.	S 25
S 26	17 54 24	27°42'30	6♋ 0	23°56	16°26	29°19	3°59	6°56	7°56	5° 1	2°55	12°30	14° 8	11° 4	n.a.	S 26
M27	17 58 21	28°39'49	17°48	24°35	17° 2	29°58	4° 3	6°57	7°59	5° 3	2°54	12°25	14° 5	11°10	n.a.	M27
T 28	18 2 18	29°37'10	29°36	25° 9	17°39	0♊38	4° 7	6°58	8° 3	5° 5	2°54	12°22	14° 2	11°17	n.a.	T 28
W29	18 6 14	0♋34'31	11♌25	25°40	18°17	1°17	4°11	6°59	8° 6	5° 7	2°53	12°D22	13°59	11°24	n.a.	W29
T 30	18 10 11	1♋31'54	23♌20	26♋ 6	18♉56	1♊57	4♎15	7♎ 0	8♊10	5♊ 9	2♓53	12♌22	13♌56	11♋30	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	21n12	18n49	1s 1	25n30	1n58	12n57	2s25	15n45	0s 3	0s 3	1n26	0s22	2n42	21n43	0n 3	19n59	1s16	25s54	16s36	16n45	16n24	20n22		n.a.
T 2	21 22	16 42	0n 2	25 33	1 56	12 45	2 35	15 58	0 2	0 3	1 26	0 21	2 41	21 44	0 3	20 0	1 16	25 55	16 36	16 45	16 25	20 23		n.a.
F 3	21 33	13 49	1 5	25 34	1 53	12 33	2 44	16 11	0 2	0 3	1 26	0 21	2 41	21 44	0 4	20 0	1 16	25 55	16 37	16 45	16 26	20 23		n.a.
S 4	21 43	10 18	2 7	25 33	1 50	12 22	2 52	16 24	0 1	0 3	1 25	0 21	2 41	21 45	0 4	20 1	1 16	25 55	16 37	16 45	16 27	20 23		n.a.
S 5	21 52	6 14	3 5	25 31	1 46	12 13	3 1	16 37	0 0	0 3	1 25	0 20	2 41	21 46	0 4	20 1	1 16	25 56	16 37	16 45	16 28	20 23		n.a.
M 6	22 1	1 45	3 55	25 26	1 42	12 5	3 8	16 49	0n 0	0 4	1 25	0 20	2 40	21 46	0 4	20 1	1 16	25 56	16 38	16 46	16 29	20 24		n.a.
T 7	22 10	2s58	4 34	25 20	1 37	11 58	3 16	17 2	0 1	0 4	1 25	0 20	2 40	21 47	0 4	20 2	1 16	25 56	16 38	16 47	16 30	20 24		n.a.
W 8	22 19	7 41	4 58	25 13	1 31	11 52	3 23	17 14	0 1	0 4	1 24	0 20	2 40	21 47	0 4	20 2	1 16	25 57	16 38	16 50	16 31	20 24		n.a.
T 9	22 27	12 8	5 4	25 3	1 25	11 47	3 29	17 26	0 2	0 5	1 24	0 20	2 39	21 48	0 4	20 3	1 16	25 57	16 39	16 52	16 32	20 24		n.a.
F 10	22 34	15 57	4 50	24 53	1 19	11 44	3 35	17 38	0 3	0 5	1 24	0 20	2 39	21 49	0 4	20 3	1 16	25 57	16 39	16 55	16 33	20 25		n.a.
S 11	22 42	18 47	4 16	24 41	1 12	11 41	3 40	17 50	0 3	0 6	1 23	0 20	2 39	21 49	0 4	20 3	1 16	25 58	16 40	16 57	16 34	20 25		n.a.
S 12	22 49	20 20	3 24	24 28	1 4	11 40	3 46	18 2	0 4	0 7	1 23	0 20	2 39	21 50	0 4	20 4	1 16	25 58	16 40	16 59	16 35	20 25		n.a.
M13	22 55	20 25	2 18	24 14	0 56	11 39	3 50	18 13	0 5	0 7	1 23	0 20	2 38	21 50	0 4	20 4	1 16	25 58	16 40	17 1	16 36	20 25		n.a.
T 14	23 1	19 3	1 3	23 59	0 48	11 40	3 55	18 24	0 5	0 8	1 22	0 20	2 38	21 51	0 4	20 5	1 16	25 59	16 41	17 1	16 36	20 26		n.a.
W15	23 7	16 28	0s14	23 43	0 39	11 41	3 59	18 36	0 6	0 9	1 22	0 20	2 38	21 52	0 4	20 5	1 16	25 59	16 41	17 2	16 37	20 26		n.a.
T 16	23 12	12 57	1 29	23 26	0 30	11 44	4 2	18 47	0 7	0 10	1 22	0 21	2 38	21 52	0 4	20 5	1 16	25 59	16 41	17 1	16 38	20 26		n.a.
F 17	23 17	8 49	2 37	23 8	0 20	11 47	4 5	18 58	0 7	0 11	1 21	0 21	2 37	21 53	0 4	20 6	1 16	26 0	16 42	17 1	16 39	20 26		n.a.
S 18	23 22	4 21	3 34	22 50	0 10	11 51	4 8	19 8	0 8	0 12	1 21	0 21	2 37	21 54	0 4	20 6	1 16	26 0	16 42	17 1	16 40	20 27		n.a.
S 19	23 26	0n12	4 18	22 31	0s 1	11 56	4 11	19 19	0 9	0 14	1 21	0 22	2 37	21 54	0 4	20 7	1 16	26 1	16 43	17 2	16 41	20 27		n.a.
M20	23 30	4 38	4 49	22 12	0 12	12 1	4 13	19 29	0 9	0 15	1 21	0 22	2 37	21 55	0 4	20 7	1 16	26 1	16 43	17 3	16 42	20 27		n.a.
T 21	23 33	8 47	5 4	21 52	0 23	12 7	4 15	19 40	0 10	0 16	1 20	0 22	2 36	21 55	0 4	20 7	1 16	26 2	16 43	17 5	16 43	20 27		n.a.
W22	23 36	12 31	5 6	21 33	0 34	12 14	4 17	19 50	0 10	0 18	1 20	0 23	2 36	21 56	0 4	20 8	1 16	26 2	16 44	17 7	16 44	20 27		n.a.
T 23	23 38	15 40	4 53	21 13	0 46	12 22	4 18	20 0	0 11	0 19	1 20	0 23	2 36	21 56	0 4	20 8	1 16	26 2	16 44	17 9	16 45	20 28		n.a.
F 24	23 40	18 7	4 28	20 53	0 58	12 30	4 19	20 9	0 12	0 21	1 19	0 24	2 35	21 57	0 4	20 9	1 16	26 3	16 44	17 12	16 46	20 28		n.a.
S 25	23 42	19 46	3 51	20 33	1 11	12 39	4 20	20 19	0 12	0 22	1 19	0 24	2 35	21 58	0 4	20 9	1 16	26 3	16 45	17 14	16 47	20 28		n.a.
S 26	23 43	20 32	3 4	20 13	1 23	12 48	4 21	20 28	0 13	0 24	1 19	0 25	2 35	21 58	0 4	20 9	1 16	26 4	16 45	17 16	16 48	20 28		n.a.
M27	23 44	20 24	2 9	19 54	1 36	12 58	4 21	20 38	0 14	0 26	1 18	0 26	2 35	21 59	0 4	20 10	1 16	26 4	16 45	17 17	16 49	20 28		n.a.
T 28	23 44	19 22	1 9	19 35	1 49	13 8	4 21	20 47	0 14	0 28	1 18	0 26	2 34	21 59	0 4	20 10	1 16	26 5	16 46	17 18	16 50	20 29		n.a.
W29	23 44	17 29	0 5	19 17	2 2	13 18	4 21	20 55	0 15	0 29	1 18	0 27	2 34	22 0	0 4	20 10	1 16	26 5	16 46	17 18	16 50	20 29		n.a.
T 30	23n44	14n51	0n59	18n59	2s15	13n29	4s21	21n 4	0n16	0s31	1n18	0s28	2n34	22n 0	0n 4	20n11	1s16	26s 6	16s46	17n18	16n51	20n29		n.a.

Julian Day Number = 1574378.5, Delta T = 04h15m33s
Ecliptic obliquity = 23°44'32, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'54, Lahiri = - 9°30'54 Julian Calendar 1 June 403 BCE == Greg. Calendar 27 May 403 BCE

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

JULY 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 14 7	2♋29'17	5♍24	26♋28	19♉36	2♊36	4♎19	7♎ 2	8♊13	5♊11	2°R52	12♌23	13♌52	11♋37	n.a.	F 1
S 2	18 18 4	3°26'40	17°42	26°45	20°17	3°16	4°24	7° 3	8°16	5°14	2♓52	12°25	13°49	11°44	n.a.	S 2
S 3	18 22 0	4°24'05	0♎18	26°57	20°59	3°55	4°28	7° 5	8°20	5°16	2°51	12°R26	13°46	11°50	n.a.	S 3
M 4	18 25 57	5°21'30	13°17	27° 4	21°42	4°34	4°33	7° 6	8°23	5°18	2°51	12°26	13°43	11°57	n.a.	M 4
T 5	18 29 53	6°18'56	26°41	27°R 7	22°26	5°13	4°38	7° 8	8°26	5°19	2°50	12°24	13°40	12° 4	n.a.	T 5
W 6	18 33 50	7°16'24	10♏35	27° 4	23°11	5°52	4°43	7°10	8°30	5°21	2°50	12°21	13°36	12°10	n.a.	W 6
T 7	18 37 47	8°13'52	24°56	26°55	23°57	6°32	4°48	7°12	8°33	5°23	2°49	12°17	13°33	12°17	n.a.	T 7
F 8	18 41 43	9°11'21	9♐42	26°41	24°44	7°11	4°54	7°14	8°36	5°25	2°49	12°12	13°30	12°24	n.a.	F 8
S 9	18 45 40	10° 8'51	24°46	26°22	25°32	7°50	4°59	7°16	8°39	5°27	2°48	12° 8	13°27	12°30	n.a.	S 9
S 10	18 49 36	11° 6'23	10♑ 0	25°58	26°20	8°28	5° 5	7°18	8°43	5°29	2°47	12° 4	13°24	12°37	n.a.	S 10
M11	18 53 33	12° 3'56	25°14	25°28	27° 9	9° 7	5°11	7°20	8°46	5°31	2°47	12° 2	13°21	12°44	n.a.	M11
T 12	18 57 29	13° 1'30	10♒17	24°54	27°59	9°46	5°17	7°23	8°49	5°33	2°46	12°D 1	13°17	12°50	n.a.	T 12
W13	19 1 26	13°59'06	25° 2	24°15	28°49	10°25	5°23	7°25	8°52	5°35	2°45	12° 1	13°14	12°57	n.a.	W13
T 14	19 5 22	14°56'43	9♓23	23°32	29°40	11° 4	5°30	7°28	8°55	5°37	2°45	12° 3	13°11	13° 4	n.a.	T 14
F 15	19 9 19	15°54'22	23°18	22°46	0♊32	11°42	5°36	7°30	8°58	5°38	2°44	12° 4	13° 8	13°10	n.a.	F 15
S 16	19 13 16	16°52'03	6♈47	21°57	1°25	12°21	5°43	7°33	9° 1	5°40	2°43	12° 5	13° 5	13°17	n.a.	S 16
S 17	19 17 12	17°49'45	19°52	21° 6	2°18	13° 0	5°49	7°36	9° 4	5°42	2°42	12°R 5	13° 2	13°24	n.a.	S 17
M18	19 21 9	18°47'29	2♉36	20°15	3°11	13°38	5°56	7°39	9° 7	5°44	2°41	12° 5	12°58	13°30	n.a.	M18
T 19	19 25 5	19°45'15	15° 3	19°23	4° 6	14°17	6° 3	7°42	9°10	5°45	2°41	12° 3	12°55	13°37	n.a.	T 19
W20	19 29 2	20°43'03	27°16	18°32	5° 0	14°55	6°11	7°45	9°13	5°47	2°40	12° 0	12°52	13°44	n.a.	W20
T 21	19 32 58	21°40'53	9♊18	17°44	5°56	15°34	6°18	7°48	9°16	5°49	2°39	11°57	12°49	13°50	n.a.	T 21
F 22	19 36 55	22°38'44	21°13	16°59	6°52	16°12	6°25	7°51	9°19	5°50	2°38	11°54	12°46	13°57	n.a.	F 22
S 23	19 40 51	23°36'37	3♋ 3	16°18	7°48	16°50	6°33	7°55	9°22	5°52	2°37	11°51	12°42	14° 4	n.a.	S 23
S 24	19 44 48	24°34'32	14°51	15°42	8°45	17°29	6°40	7°58	9°24	5°54	2°36	11°49	12°39	14°10	n.a.	S 24
M25	19 48 45	25°32'29	26°40	15°12	9°42	18° 7	6°48	8° 2	9°27	5°55	2°35	11°47	12°36	14°17	n.a.	M25
T 26	19 52 41	26°30'27	8♌31	14°48	10°40	18°45	6°56	8° 5	9°30	5°57	2°35	11°D47	12°33	14°24	n.a.	T 26
W27	19 56 38	27°28'27	20°26	14°32	11°38	19°23	7° 4	8° 9	9°33	5°58	2°34	11°47	12°30	14°30	n.a.	W27
T 28	20 0 34	28°26'28	2♍28	14°23	12°37	20° 1	7°13	8°13	9°35	6° 0	2°33	11°48	12°27	14°37	n.a.	T 28
F 29	20 4 31	29°24'32	14°40	14°D22	13°36	20°39	7°21	8°16	9°38	6° 1	2°32	11°49	12°23	14°44	n.a.	F 29
S 30	20 8 27	0♌22'36	27° 5	14°30	14°35	21°17	7°29	8°20	9°40	6° 3	2°31	11°50	12°20	14°50	n.a.	S 30
S 31	20 12 24	1♌20'42	9♎45	14♋46	15♊35	21♊55	7♎38	8♎24	9♊43	6♊ 4	2♓30	11♌51	12♌17	14♋57	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	23n43	11n32	2n 2	18n42	2s28	13n41	4s21	21n13	0n16	0s33	1n17	0s29	2n34	22n 1	0n 4	20n11	1s16	26s 6	16s47	17n18	16n52	20n29		n.a.
S 2	23 42	7 41	3 1	18 26	2 41	13 52	4 20	21 21	0 17	0 35	1 17	0 29	2 33	22 2	0 4	20 12	1 16	26 7	16 47	17 18	16 53	20 29		n.a.
S 3	23 40	3 25	3 52	18 11	2 54	14 4	4 19	21 29	0 18	0 38	1 17	0 30	2 33	22 2	0 4	20 12	1 16	26 7	16 47	17 17	16 54	20 29		n.a.
M 4	23 38	1s 7	4 33	17 57	3 7	14 16	4 18	21 37	0 18	0 40	1 16	0 31	2 33	22 3	0 4	20 12	1 16	26 8	16 48	17 17	16 55	20 30		n.a.
T 5	23 35	5 45	5 1	17 45	3 19	14 29	4 17	21 45	0 19	0 42	1 16	0 32	2 33	22 3	0 4	20 13	1 16	26 8	16 48	17 18	16 56	20 30		n.a.
W 6	23 32	10 15	5 12	17 34	3 31	14 41	4 15	21 53	0 20	0 44	1 16	0 33	2 32	22 4	0 4	20 13	1 16	26 9	16 48	17 19	16 57	20 30		n.a.
T 7	23 29	14 19	5 5	17 24	3 42	14 54	4 14	22 0	0 20	0 47	1 16	0 34	2 32	22 4	0 4	20 13	1 16	26 9	16 49	17 20	16 58	20 30		n.a.
F 8	23 25	17 37	4 37	17 16	3 53	15 7	4 12	22 8	0 21	0 49	1 15	0 35	2 32	22 5	0 4	20 14	1 16	26 10	16 49	17 21	16 59	20 30		n.a.
S 9	23 21	19 48	3 50	17 10	4 3	15 20	4 10	22 15	0 22	0 52	1 15	0 36	2 31	22 5	0 4	20 14	1 16	26 10	16 49	17 22	17 0	20 30		n.a.
S 10	23 16	20 36	2 46	17 6	4 12	15 34	4 8	22 22	0 22	0 54	1 15	0 37	2 31	22 6	0 4	20 14	1 16	26 11	16 50	17 23	17 1	20 31		n.a.
M11	23 11	19 52	1 31	17 3	4 20	15 47	4 6	22 29	0 23	0 57	1 15	0 38	2 31	22 6	0 4	20 15	1 16	26 11	16 50	17 24	17 2	20 31		n.a.
T 12	23 6	17 44	0 10	17 3	4 27	16 0	4 3	22 35	0 24	1 0	1 14	0 40	2 31	22 7	0 4	20 15	1 16	26 12	16 50	17 24	17 2	20 31		n.a.
W13	23 0	14 27	1s11	17 4	4 32	16 14	4 1	22 42	0 24	1 2	1 14	0 41	2 30	22 7	0 4	20 15	1 16	26 12	16 50	17 24	17 3	20 31		n.a.
T 14	22 54	10 23	2 25	17 8	4 36	16 27	3 58	22 48	0 25	1 5	1 14	0 42	2 30	22 8	0 4	20 15	1 16	26 13	16 51	17 24	17 4	20 31		n.a.
F 15	22 47	5 52	3 28	17 13	4 38	16 41	3 56	22 54	0 26	1 8	1 13	0 43	2 30	22 8	0 4	20 16	1 16	26 14	16 51	17 23	17 5	20 31		n.a.
S 16	22 40	1 12	4 17	17 21	4 39	16 54	3 53	23 0	0 26	1 11	1 13	0 45	2 30	22 9	0 4	20 16	1 16	26 14	16 51	17 23	17 6	20 31		n.a.
S 17	22 32	3n22	4 52	17 30	4 37	17 8	3 50	23 6	0 27	1 14	1 13	0 46	2 29	22 9	0 4	20 16	1 16	26 15	16 52	17 23	17 7	20 31		n.a.
M18	22 24	7 40	5 11	17 41	4 34	17 21	3 47	23 11	0 28	1 17	1 13	0 48	2 29	22 10	0 4	20 17	1 16	26 15	16 52	17 23	17 8	20 31		n.a.
T 19	22 16	11 33	5 15	17 53	4 29	17 34	3 44	23 16	0 28	1 20	1 12	0 49	2 29	22 10	0 4	20 17	1 17	26 16	16 52	17 24	17 9	20 32		n.a.
W20	22 7	14 52	5 4	18 7	4 22	17 47	3 40	23 22	0 29	1 23	1 12	0 50	2 29	22 11	0 4	20 17	1 17	26 16	16 52	17 24	17 10	20 32		n.a.
T 21	21 58	17 31	4 40	18 22	4 13	18 0	3 37	23 27	0 30	1 26	1 12	0 52	2 28	22 11	0 4	20 18	1 17	26 17	16 53	17 25	17 11	20 32		n.a.
F 22	21 49	19 23	4 4	18 39	4 2	18 13	3 34	23 31	0 30	1 29	1 12	0 53	2 28	22 12	0 4	20 18	1 17	26 17	16 53	17 26	17 12	20 32		n.a.
S 23	21 39	20 24	3 18	18 56	3 50	18 26	3 30	23 36	0 31	1 32	1 11	0 55	2 28	22 12	0 4	20 18	1 17	26 18	16 53	17 27	17 13	20 32		n.a.
S 24	21 29	20 32	2 24	19 14	3 36	18 38	3 27	23 40	0 32	1 36	1 11	0 57	2 28	22 12	0 4	20 18	1 17	26 19	16 53	17 28	17 13	20 32		n.a.
M25	21 18	19 44	1 23	19 32	3 22	18 50	3 23	23 45	0 33	1 39	1 11	0 58	2 27	22 13	0 4	20 19	1 17	26 19	16 54	17 28	17 14	20 32		n.a.
T 26	21 7	18 4	0 18	19 50	3 6	19 2	3 19	23 49	0 33	1 42	1 11	1 0	2 27	22 13	0 4	20 19	1 17	26 20	16 54	17 28	17 15	20 32		n.a.
W27	20 56	15 37	0n48	20 8	2 49	19 14	3 15	23 53	0 34	1 46	1 10	1 1	2 27	22 14	0 4	20 19	1 17	26 20	16 54	17 28	17 16	20 32		n.a.
T 28	20 44	12 28	1 52	20 26	2 32	19 26	3 12	23 56	0 35	1 49	1 10	1 3	2 27	22 14	0 4	20 19	1 17	26 21	16 54	17 28	17 17	20 32		n.a.
F 29	20 32	8 45	2 53	20 44	2 14	19 37	3 8	24 0	0 35	1 53	1 10	1 5	2 27	22 15	0 4	20 20	1 17	26 21	16 55	17 28	17 18	20 32		n.a.
S 30	20 20	4 37	3 46	21 1	1 56	19 48	3 4	24 3	0 36	1 57	1 10	1 7	2 26	22 15	0 4	20 20	1 17	26 22	16 55	17 27	17 19	20 32		n.a.
S 31	20n 7	0n13	4n29	21n17	1s39	19n59	3s 0	24n 6	0n37	2s 0	1n 9	1s 8	2n26	22n15	0n 4	20n20	1s17	26s23	16s55	17n27	17n20	20n32		n.a.

Julian Day Number = 1574408.5, Delta T = 04h15m32s
Ecliptic obliquity = 23°44'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'50, Lahiri = - 9°30'50 Julian Calendar 1 July 403 BCE == Greg. Calendar 26 June 403 BCE

The year -402 astronomical counting style corresponds to year 403 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

AUGUST 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 16 20	2♌18'50	22♎44	15♋10	16♊35	22♊33	7♎46	8♎28	9♊46	6♊ 6	2°R29	11♌51	12♌14	15♋ 4	n.a.	M 1
T 2	20 20 17	3°16'59	6♏ 4	15°42	17°35	23°11	7°55	8°33	9°48	6° 7	2♓28	11°R51	12°11	15°10	n.a.	T 2
W 3	20 24 14	4°15'10	19°48	16°23	18°36	23°49	8° 4	8°37	9°50	6° 9	2°27	11°51	12° 8	15°17	n.a.	W 3
T 4	20 28 10	5°13'23	3♐57	17°12	19°38	24°26	8°13	8°41	9°53	6°10	2°26	11°51	12° 4	15°24	n.a.	T 4
F 5	20 32 7	6°11'37	18°28	18° 8	20°39	25° 4	8°22	8°45	9°55	6°11	2°25	11°50	12° 1	15°30	n.a.	F 5
S 6	20 36 3	7° 9'53	3♑18	19°11	21°41	25°42	8°32	8°50	9°58	6°13	2°24	11°49	11°58	15°37	n.a.	S 6
S 7	20 40 0	8° 8'11	18°20	20°21	22°43	26°19	8°41	8°54	10° 0	6°14	2°23	11°49	11°55	15°44	n.a.	S 7
M 8	20 43 56	9° 6'30	3♒27	21°37	23°46	26°57	8°50	8°59	10° 2	6°15	2°21	11°49	11°52	15°50	n.a.	M 8
T 9	20 47 53	10° 4'51	18°30	22°59	24°49	27°34	9° 0	9° 3	10° 4	6°16	2°20	11°D49	11°48	15°57	n.a.	T 9
W10	20 51 49	11° 3'15	3♓19	24°26	25°52	28°12	9°10	9° 8	10° 6	6°17	2°19	11°49	11°45	16° 4	n.a.	W10
T 11	20 55 46	12° 1'40	17°48	25°58	26°55	28°49	9°19	9°13	10° 9	6°19	2°18	11°R49	11°42	16°10	n.a.	T 11
F 12	20 59 43	13° 0'07	1♈52	27°34	27°59	29°26	9°29	9°18	10°11	6°20	2°17	11°49	11°39	16°17	n.a.	F 12
S 13	21 3 39	13°58'37	15°29	29°14	29° 3	0♋ 4	9°39	9°23	10°13	6°21	2°16	11°49	11°36	16°24	n.a.	S 13
S 14	21 7 36	14°57'09	28°41	0♌56	0♋ 8	0°41	9°49	9°28	10°15	6°22	2°15	11°49	11°33	16°30	n.a.	S 14
M15	21 11 32	15°55'43	11♉28	2°41	1°12	1°18	9°59	9°33	10°17	6°23	2°14	11°D48	11°29	16°37	n.a.	M15
T 16	21 15 29	16°54'20	23°55	4°28	2°17	1°55	10°10	9°38	10°19	6°24	2°13	11°48	11°26	16°44	n.a.	T 16
W17	21 19 25	17°52'59	6♊ 5	6°16	3°22	2°32	10°20	9°43	10°20	6°25	2°11	11°49	11°23	16°50	n.a.	W17
T 18	21 23 22	18°51'41	18° 4	8° 6	4°27	3° 9	10°30	9°48	10°22	6°26	2°10	11°49	11°20	16°57	n.a.	T 18
F 19	21 27 18	19°50'24	29°56	9°57	5°33	3°46	10°41	9°53	10°24	6°27	2° 9	11°50	11°17	17° 4	n.a.	F 19
S 20	21 31 15	20°49'10	11♋44	11°48	6°39	4°23	10°51	9°59	10°26	6°28	2° 8	11°51	11°14	17°10	n.a.	S 20
S 21	21 35 12	21°47'59	23°32	13°39	7°45	5° 0	11° 2	10° 4	10°27	6°28	2° 7	11°52	11°10	17°17	n.a.	S 21
M22	21 39 8	22°46'49	5♌24	15°31	8°51	5°37	11°13	10°10	10°29	6°29	2° 6	11°52	11° 7	17°24	n.a.	M22
T 23	21 43 5	23°45'42	17°22	17°22	9°58	6°13	11°24	10°15	10°31	6°30	2° 4	11°R52	11° 4	17°30	n.a.	T 23
W24	21 47 1	24°44'36	29°27	19°13	11° 5	6°50	11°35	10°21	10°32	6°31	2° 3	11°52	11° 1	17°37	n.a.	W24
T 25	21 50 58	25°43'33	11♍43	21° 4	12°11	7°27	11°46	10°26	10°34	6°31	2° 2	11°50	10°58	17°43	n.a.	T 25
F 26	21 54 54	26°42'32	24°10	22°54	13°19	8° 3	11°57	10°32	10°35	6°32	2° 1	11°49	10°54	17°50	n.a.	F 26
S 27	21 58 51	27°41'33	6♎49	24°44	14°26	8°40	12° 8	10°38	10°37	6°33	2° 0	11°46	10°51	17°57	n.a.	S 27
S 28	22 2 47	28°40'36	19°42	26°33	15°33	9°16	12°19	10°44	10°38	6°33	1°58	11°44	10°48	18° 3	n.a.	S 28
M29	22 6 44	29°39'41	2♏49	28°21	16°41	9°52	12°31	10°49	10°39	6°34	1°57	11°42	10°45	18°10	n.a.	M29
T 30	22 10 40	0♍38'48	16°13	0♍ 8	17°49	10°29	12°42	10°55	10°40	6°35	1°56	11°40	10°42	18°17	n.a.	T 30
W31	22 14 37	1♍37'56	29♏53	1♍55	18♋57	11♋ 5	12♎54	11♎ 1	10♊42	6♊35	1♓55	11°D40	10♌39	18♋23	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl		lat
M 1	19n54	4s19	5n 0	21n32	1s21	20n 9	2s55	24n 9	0n37	2s 4	1n 9	1s10	2n26	22n16	0n 4	20n20	1s17	26s23	16s55	17n27	17n21	20n32			n.a.
T 2	19 40	8 45	5 16	21 45	1 4	20 19	2 51	24 12	0 38	2 8	1 9	1 12	2 26	22 16	0 4	20 20	1 17	26 24	16 55	17 27	17 22	20 32			n.a.
W 3	19 26	12 52	5 15	21 57	0 47	20 28	2 47	24 14	0 39	2 11	1 9	1 14	2 25	22 17	0 4	20 21	1 17	26 24	16 56	17 27	17 22	20 32			n.a.
T 4	19 12	16 23	4 54	22 7	0 30	20 37	2 43	24 17	0 39	2 15	1 9	1 16	2 25	22 17	0 4	20 21	1 17	26 25	16 56	17 27	17 23	20 32			n.a.
F 5	18 58	19 0	4 15	22 15	0 15	20 46	2 39	24 19	0 40	2 19	1 8	1 18	2 25	22 17	0 4	20 21	1 17	26 25	16 56	17 27	17 24	20 33			n.a.
S 6	18 43	20 24	3 18	22 21	0n 0	20 55	2 34	24 21	0 41	2 23	1 8	1 20	2 25	22 18	0 4	20 21	1 17	26 26	16 56	17 28	17 25	20 33			n.a.
S 7	18 28	20 22	2 7	22 25	0 15	21 3	2 30	24 23	0 42	2 27	1 8	1 22	2 25	22 18	0 4	20 21	1 17	26 26	16 56	17 28	17 26	20 33			n.a.
M 8	18 12	18 53	0 46	22 26	0 28	21 10	2 26	24 25	0 42	2 31	1 8	1 24	2 24	22 18	0 4	20 22	1 17	26 27	16 56	17 28	17 27	20 33			n.a.
T 9	17 57	16 4	0s37	22 25	0 40	21 17	2 21	24 26	0 43	2 35	1 7	1 26	2 24	22 19	0 4	20 22	1 17	26 28	16 57	17 28	17 28	20 33			n.a.
W10	17 40	12 14	1 57	22 20	0 51	21 24	2 17	24 27	0 44	2 39	1 7	1 28	2 24	22 19	0 4	20 22	1 17	26 28	16 57	17 28	17 29	20 33			n.a.
T 11	17 24	7 45	3 7	22 14	1 1	21 30	2 12	24 29	0 44	2 43	1 7	1 30	2 24	22 19	0 4	20 22	1 17	26 29	16 57	17 28	17 30	20 33			n.a.
F 12	17 7	2 58	4 4	22 4	1 11	21 36	2 8	24 30	0 45	2 47	1 7	1 32	2 23	22 20	0 4	20 22	1 17	26 29	16 57	17 28	17 31	20 33			n.a.
S 13	16 51	1n48	4 45	21 51	1 19	21 41	2 3	24 30	0 46	2 51	1 7	1 34	2 23	22 20	0 4	20 22	1 17	26 30	16 57	17 28	17 31	20 33			n.a.
S 14	16 33	6 19	5 10	21 36	1 26	21 46	1 59	24 31	0 46	2 55	1 6	1 36	2 23	22 20	0 4	20 23	1 17	26 30	16 57	17 28	17 32	20 33			n.a.
M15	16 16	10 26	5 18	21 18	1 32	21 50	1 54	24 31	0 47	2 59	1 6	1 39	2 23	22 21	0 4	20 23	1 17	26 31	16 57	17 28	17 33	20 33			n.a.
T 16	15 58	13 58	5 11	20 58	1 37	21 54	1 50	24 32	0 48	3 4	1 6	1 41	2 23	22 21	0 4	20 23	1 17	26 31	16 58	17 28	17 34	20 32			n.a.
W17	15 40	16 50	4 50	20 35	1 41	21 57	1 45	24 32	0 49	3 8	1 6	1 43	2 23	22 21	0 4	20 23	1 17	26 32	16 58	17 28	17 35	20 32			n.a.
T 18	15 22	18 56	4 17	20 9	1 45	21 59	1 41	24 32	0 49	3 12	1 6	1 45	2 22	22 21	0 4	20 23	1 17	26 32	16 58	17 28	17 36	20 32			n.a.
F 19	15 3	20 12	3 33	19 42	1 47	22 2	1 36	24 31	0 50	3 17	1 5	1 47	2 22	22 22	0 4	20 23	1 17	26 33	16 58	17 27	17 37	20 32			n.a.
S 20	14 44	20 34	2 40	19 13	1 49	22 3	1 31	24 31	0 51	3 21	1 5	1 50	2 22	22 22	0 4	20 23	1 17	26 34	16 58	17 27	17 38	20 32			n.a.
S 21	14 25	20 1	1 40	18 41	1 50	22 4	1 27	24 30	0 51	3 25	1 5	1 52	2 22	22 22	0 4	20 24	1 17	26 34	16 58	17 27	17 39	20 32			n.a.
M22	14 6	18 35	0 36	18 8	1 50	22 4	1 22	24 29	0 52	3 30	1 5	1 54	2 22	22 23	0 4	20 24	1 17	26 35	16 58	17 27	17 39	20 32			n.a.
T 23	13 46	16 19	0n30	17 34	1 50	22 4	1 18	24 29	0 53	3 34	1 5	1 57	2 21	22 23	0 4	20 24	1 17	26 35	16 58	17 27	17 40	20 32			n.a.
W24	13 26	13 18	1 36	16 58	1 49	22 3	1 13	24 27	0 54	3 39	1 5	1 59	2 21	22 23	0 4	20 24	1 18	26 36	16 58	17 27	17 41	20 32			n.a.
T 25	13 6	9 41	2 38	16 21	1 47	22 2	1 9	24 26	0 54	3 43	1 4	2 2	2 21	22 23	0 4	20 24	1 18	26 36	16 58	17 27	17 42	20 32			n.a.
F 26	12 46	5 36	3 33	15 43	1 45	22 0	1 4	24 25	0 55	3 48	1 4	2 4	2 21	22 23	0 4	20 24	1 18	26 37	16 58	17 28	17 43	20 32			n.a.
S 27	12 26	1 13	4 19	15 3	1 43	21 57	1 0	24 23	0 56	3 53	1 4	2 6	2 21	22 24	0 4	20 24	1 18	26 37	16 58	17 28	17 44	20 32			n.a.
S 28	12 5	3s17	4 53	14 23	1 40	21 54	0 56	24 21	0 57	3 57	1 4	2 9	2 21	22 24	0 4	20 24	1 18	26 38	16 58	17 29	17 45	20 32			n.a.
M29	11 44	7 43	5 12	13 42	1 36	21 50	0 51	24 19	0 57	4 2	1 4	2 11	2 20	22 24	0 5	20 24	1 18	26 38	16 58	17 30	17 46	20 32			n.a.
T 30	11 23	11 52	5 15	13 0	1 32	21 46	0 47	24 17	0 58	4 6	1 4	2 14	2 20	22 24	0 5	20 24	1 18	26 38	16 58	17 30	17 46	20 32			n.a.
W31	11n 2	15s30	5n 0	12n18	1n28	21n41	0s42	24n15	0n59	4s11	1n 3	2s16	2n20	22n24	0n 5	20n24	1s18	26s39	16s58	17n30	17n47	20n32			n.a.

Julian Day Number = 1574439.5, Delta T = 04h15m31s
Ecliptic obliquity = 23°44'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'46, Lahiri = - 9°30'46 Julian Calendar 1 Aug. 403 BCE == Greg. Calendar 27 July 403 BCE

The year -402 astronomical counting style corresponds to year 403 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

SEPTEMBER 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 18 34	2♍37'07	13♐51	3♍41	20♋ 5	11♋41	13♎ 5	11♎ 7	10♊43	6♊36	1°R54	11♌40	10♌35	18♋30	n.a.	T 1
F 2	22 22 30	3°36'19	28° 5	5°26	21°14	12°17	13°17	11°13	10°44	6°36	1♓53	11°41	10°32	18°37	n.a.	F 2
S 3	22 26 27	4°35'33	12♑33	7°10	22°23	12°53	13°29	11°19	10°45	6°36	1°51	11°43	10°29	18°43	n.a.	S 3
S 4	22 30 23	5°34'50	27°13	8°53	23°31	13°29	13°40	11°26	10°46	6°37	1°50	11°44	10°26	18°50	n.a.	S 4
M 5	22 34 20	6°34'08	11♒59	10°36	24°40	14° 5	13°52	11°32	10°47	6°37	1°49	11°R44	10°23	18°57	n.a.	M 5
T 6	22 38 16	7°33'28	26°45	12°17	25°49	14°41	14° 4	11°38	10°48	6°38	1°48	11°44	10°20	19° 3	n.a.	T 6
W 7	22 42 13	8°32'50	11♓24	13°58	26°59	15°17	14°16	11°44	10°48	6°38	1°47	11°42	10°16	19°10	n.a.	W 7
T 8	22 46 9	9°32'14	25°48	15°38	28° 8	15°53	14°28	11°51	10°49	6°38	1°45	11°38	10°13	19°17	n.a.	T 8
F 9	22 50 6	10°31'41	9♈53	17°18	29°18	16°28	14°40	11°57	10°50	6°38	1°44	11°34	10°10	19°23	n.a.	F 9
S 10	22 54 2	11°31'10	23°33	18°56	0♌28	17° 4	14°52	12° 3	10°51	6°38	1°43	11°29	10° 7	19°30	n.a.	S 10
S 11	22 57 59	12°30'41	6♉49	20°34	1°37	17°39	15° 5	12°10	10°51	6°39	1°42	11°25	10° 4	19°37	n.a.	S 11
M12	23 1 56	13°30'15	19°41	22°11	2°48	18°15	15°17	12°16	10°52	6°39	1°41	11°21	10° 0	19°43	n.a.	M12
T 13	23 5 52	14°29'51	2♊11	23°48	3°58	18°50	15°29	12°23	10°52	6°39	1°40	11°19	9°57	19°50	n.a.	T 13
W14	23 9 49	15°29'29	14°23	25°24	5° 8	19°26	15°42	12°29	10°53	6°39	1°38	11°D18	9°54	19°57	n.a.	W14
T 15	23 13 45	16°29'10	26°22	26°59	6°19	20° 1	15°54	12°36	10°53	6°R39	1°37	11°19	9°51	20° 3	n.a.	T 15
F 16	23 17 42	17°28'53	8♋12	28°33	7°29	20°36	16° 6	12°42	10°54	6°39	1°36	11°20	9°48	20°10	n.a.	F 16
S 17	23 21 38	18°28'39	20° 0	0♎ 7	8°40	21°11	16°19	12°49	10°54	6°39	1°35	11°22	9°45	20°17	n.a.	S 17
S 18	23 25 35	19°28'27	1♌50	1°40	9°51	21°46	16°32	12°55	10°54	6°39	1°34	11°24	9°41	20°23	n.a.	S 18
M19	23 29 31	20°28'17	13°46	3°13	11° 2	22°21	16°44	13° 2	10°54	6°39	1°33	11°R24	9°38	20°30	n.a.	M19
T 20	23 33 28	21°28'10	25°51	4°45	12°13	22°56	16°57	13° 9	10°54	6°38	1°32	11°23	9°35	20°37	n.a.	T 20
W21	23 37 25	22°28'04	8♍ 9	6°16	13°24	23°31	17°10	13°16	10°54	6°38	1°30	11°20	9°32	20°43	n.a.	W21
T 22	23 41 21	23°28'01	20°40	7°47	14°36	24° 6	17°22	13°22	10°R54	6°38	1°29	11°14	9°29	20°50	n.a.	T 22
F 23	23 45 18	24°27'59	3♎27	9°18	15°47	24°40	17°35	13°29	10°54	6°38	1°28	11° 8	9°25	20°56	n.a.	F 23
S 24	23 49 14	25°28'00	16°28	10°47	16°59	25°15	17°48	13°36	10°54	6°37	1°27	11° 0	9°22	21° 3	n.a.	S 24
S 25	23 53 11	26°28'03	29°43	12°16	18°11	25°50	18° 1	13°43	10°54	6°37	1°26	10°52	9°19	21°10	n.a.	S 25
M26	23 57 7	27°28'07	13♏10	13°45	19°23	26°24	18°14	13°50	10°54	6°37	1°25	10°44	9°16	21°16	n.a.	M26
T 27	0 1 4	28°28'14	26°48	15°13	20°35	26°58	18°27	13°57	10°54	6°36	1°24	10°38	9°13	21°23	n.a.	T 27
W28	0 5 0	29°28'22	10♐36	16°40	21°47	27°33	18°40	14° 3	10°53	6°36	1°23	10°35	9°10	21°30	n.a.	W28
T 29	0 8 57	0♎28'32	24°32	18° 7	22°59	28° 7	18°53	14°10	10°53	6°36	1°22	10°D33	9° 6	21°36	n.a.	T 29
F 30	0 12 53	1♎28'43	8♑36	19♎33	24♌11	28♋41	19♎ 6	14♎17	10♊53	6♊35	1♓21	10♌33	9♌ 3	21♋43	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	10n40	18s19	4n28	11n35	1n24	21n35	0s38	24n13	1n 0	4s16	1n 3	2s19	2n20	22n25	0n 5	20n24	1s18	26s39	16s58	17n30	17n48	20n32		n.a.
F 2	10 19	20 6	3 38	10 51	1 19	21 29	0 34	24 10	1 0	4 21	1 3	2 21	2 20	22 25	0 5	20 24	1 18	26 40	16 58	17 30	17 49	20 31		n.a.
S 3	9 57	20 35	2 34	10 8	1 14	21 22	0 30	24 7	1 1	4 25	1 3	2 24	2 20	22 25	0 5	20 24	1 18	26 40	16 58	17 30	17 50	20 31		n.a.
S 4	9 35	19 41	1 19	9 24	1 8	21 15	0 25	24 4	1 2	4 30	1 3	2 26	2 20	22 25	0 5	20 25	1 18	26 41	16 58	17 29	17 51	20 31		n.a.
M 5	9 13	17 26	0s 1	8 39	1 3	21 7	0 21	24 1	1 3	4 35	1 3	2 29	2 19	22 25	0 5	20 25	1 18	26 41	16 58	17 29	17 52	20 31		n.a.
T 6	8 50	14 2	1 22	7 55	0 57	20 58	0 17	23 58	1 3	4 40	1 2	2 31	2 19	22 25	0 5	20 25	1 18	26 42	16 58	17 29	17 53	20 31		n.a.
W 7	8 28	9 47	2 36	7 10	0 51	20 49	0 13	23 55	1 4	4 44	1 2	2 34	2 19	22 26	0 5	20 25	1 18	26 42	16 58	17 30	17 53	20 31		n.a.
T 8	8 5	5 2	3 39	6 25	0 45	20 39	0 9	23 51	1 5	4 49	1 2	2 37	2 19	22 26	0 5	20 25	1 18	26 42	16 58	17 31	17 54	20 31		n.a.
F 9	7 43	0 7	4 27	5 40	0 39	20 29	0 5	23 48	1 6	4 54	1 2	2 39	2 19	22 26	0 5	20 25	1 18	26 43	16 58	17 32	17 55	20 31		n.a.
S 10	7 20	4n39	4 58	4 56	0 32	20 18	0 1	23 44	1 6	4 59	1 2	2 42	2 19	22 26	0 5	20 25	1 18	26 43	16 58	17 33	17 56	20 30		n.a.
S 11	6 57	9 3	5 12	4 11	0 26	20 6	0n 3	23 40	1 7	5 4	1 2	2 44	2 19	22 26	0 5	20 25	1 18	26 44	16 58	17 34	17 57	20 30		n.a.
M12	6 34	12 54	5 10	3 26	0 19	19 54	0 7	23 36	1 8	5 9	1 2	2 47	2 19	22 26	0 5	20 25	1 18	26 44	16 58	17 35	17 58	20 30		n.a.
T 13	6 11	16 5	4 53	2 41	0 13	19 41	0 11	23 32	1 9	5 14	1 1	2 50	2 18	22 26	0 5	20 25	1 18	26 44	16 58	17 36	17 59	20 30		n.a.
W14	5 47	18 28	4 23	1 57	0 6	19 27	0 14	23 28	1 9	5 19	1 1	2 52	2 18	22 26	0 5	20 25	1 18	26 45	16 58	17 36	17 59	20 30		n.a.
T 15	5 24	20 0	3 42	1 12	0s 1	19 13	0 18	23 23	1 10	5 24	1 1	2 55	2 18	22 26	0 5	20 24	1 18	26 45	16 58	17 36	18 0	20 30		n.a.
F 16	5 0	20 38	2 51	0 28	0 7	18 59	0 22	23 19	1 11	5 29	1 1	2 58	2 18	22 26	0 5	20 24	1 18	26 45	16 58	17 36	18 1	20 30		n.a.
S 17	4 37	20 21	1 54	0s16	0 14	18 44	0 25	23 14	1 12	5 34	1 1	3 0	2 18	22 26	0 5	20 24	1 18	26 46	16 58	17 35	18 2	20 29		n.a.
S 18	4 13	19 10	0 52	1 0	0 21	18 28	0 29	23 9	1 13	5 39	1 1	3 3	2 18	22 26	0 5	20 24	1 18	26 46	16 58	17 35	18 3	20 29		n.a.
M19	3 49	17 7	0n13	1 43	0 28	18 12	0 32	23 4	1 13	5 44	1 1	3 6	2 18	22 27	0 5	20 24	1 18	26 46	16 57	17 35	18 4	20 29		n.a.
T 20	3 25	14 17	1 18	2 26	0 35	17 55	0 36	22 59	1 14	5 49	1 0	3 9	2 18	22 27	0 5	20 24	1 18	26 47	16 57	17 35	18 5	20 29		n.a.
W21	3 2	10 47	2 20	3 9	0 42	17 38	0 39	22 54	1 15	5 54	1 0	3 11	2 18	22 27	0 5	20 24	1 19	26 47	16 57	17 36	18 6	20 29		n.a.
T 22	2 38	6 45	3 17	3 52	0 48	17 20	0 42	22 49	1 16	5 59	1 0	3 14	2 18	22 27	0 5	20 24	1 19	26 47	16 57	17 37	18 6	20 29		n.a.
F 23	2 14	2 21	4 5	4 34	0 55	17 1	0 45	22 43	1 17	6 4	1 0	3 17	2 17	22 27	0 5	20 24	1 19	26 48	16 57	17 39	18 7	20 28		n.a.
S 24	1 49	2s15	4 41	5 16	1 2	16 43	0 48	22 37	1 17	6 9	1 0	3 20	2 17	22 27	0 5	20 24	1 19	26 48	16 57	17 41	18 8	20 28		n.a.
S 25	1 25	6 48	5 2	5 57	1 8	16 23	0 51	22 32	1 18	6 14	1 0	3 22	2 17	22 27	0 5	20 24	1 19	26 48	16 57	17 44	18 9	20 28		n.a.
M26	1 1	11 6	5 8	6 38	1 15	16 3	0 54	22 26	1 19	6 19	1 0	3 25	2 17	22 27	0 5	20 24	1 19	26 48	16 57	17 46	18 10	20 28		n.a.
T 27	0 37	14 53	4 56	7 19	1 21	15 43	0 57	22 20	1 20	6 24	1 0	3 28	2 17	22 27	0 5	20 24	1 19	26 49	16 56	17 47	18 11	20 28		n.a.
W28	0 13	17 55	4 27	7 59	1 28	15 22	1 0	22 14	1 21	6 29	1 0	3 31	2 17	22 27	0 5	20 24	1 19	26 49	16 56	17 48	18 11	20 27		n.a.
T 29	0s11	19 56	3 42	8 38	1 34	15 1	1 3	22 8	1 22	6 34	0 59	3 33	2 17	22 27	0 5	20 23	1 19	26 49	16 56	17 49	18 12	20 27		n.a.
F 30	0s36	20s44	2n44	9s17	1s40	14n39	1n 5	22n 2	1n22	6s39	0n59	3s36	2n17	22n26	0n 5	20n23	1s19	26s49	16s56	17n49	18n13	20n27		n.a.

Julian Day Number = 1574470.5, Delta T = 04h15m29s
Ecliptic obliquity = 23°44'33, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'42, Lahiri = - 9°30'41 Julian Calendar 1 Sept. 403 BCE == Greg. Calendar 27 Aug. 403 BCE

The year -402 astronomical counting style corresponds to year 403 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

OCTOBER 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 16 50	2♎28'56	22♑47	20♎58	25♌23	29♋15	19♎19	14♎24	10°R52	6°R34	1°R20	10♌34	9♌ 0	21♋50	n.a.	S 1
S 2	0 20 47	3°29'11	7♒ 3	22°22	26°36	29°49	19°32	14°31	10♊52	6♊34	1♓19	10°R35	8°57	21°56	n.a.	S 2
M 3	0 24 43	4°29'27	21°22	23°46	27°48	0♌23	19°45	14°38	10°51	6°33	1°18	10°34	8°54	22° 3	n.a.	M 3
T 4	0 28 40	5°29'45	5♓42	25° 9	29° 1	0°56	19°58	14°45	10°51	6°33	1°17	10°32	8°51	22°10	n.a.	T 4
W 5	0 32 36	6°30'04	19°57	26°31	0♍14	1°30	20°12	14°52	10°50	6°32	1°16	10°27	8°47	22°16	n.a.	W 5
T 6	0 36 33	7°30'25	4♈ 3	27°52	1°26	2° 3	20°25	14°59	10°49	6°31	1°15	10°19	8°44	22°23	n.a.	T 6
F 7	0 40 29	8°30'48	17°54	29°12	2°39	2°37	20°38	15° 6	10°48	6°31	1°14	10°10	8°41	22°30	n.a.	F 7
S 8	0 44 26	9°31'13	1♉28	0♏31	3°52	3°10	20°51	15°13	10°48	6°30	1°13	9°59	8°38	22°36	n.a.	S 8
S 9	0 48 22	10°31'40	14°40	1°48	5° 5	3°44	21° 5	15°20	10°47	6°29	1°12	9°49	8°35	22°43	n.a.	S 9
M10	0 52 19	11°32'09	27°31	3° 4	6°18	4°17	21°18	15°27	10°46	6°28	1°12	9°39	8°31	22°50	n.a.	M10
T 11	0 56 16	12°32'39	10♊ 2	4°18	7°32	4°50	21°31	15°34	10°45	6°28	1°11	9°32	8°28	22°56	n.a.	T 11
W12	1 0 12	13°33'12	22°15	5°31	8°45	5°23	21°45	15°41	10°44	6°27	1°10	9°27	8°25	23° 3	n.a.	W12
T 13	1 4 9	14°33'46	4♋15	6°41	9°58	5°56	21°58	15°48	10°43	6°26	1° 9	9°25	8°22	23° 9	n.a.	T 13
F 14	1 8 5	15°34'23	16° 6	7°49	11°12	6°28	22°11	15°55	10°42	6°25	1° 8	9°D24	8°19	23°16	n.a.	F 14
S 15	1 12 2	16°35'01	27°53	8°55	12°25	7° 1	22°25	16° 3	10°40	6°24	1° 7	9°25	8°16	23°23	n.a.	S 15
S 16	1 15 58	17°35'41	9♌43	9°58	13°39	7°34	22°38	16°10	10°39	6°23	1° 7	9°R25	8°12	23°29	n.a.	S 16
M17	1 19 55	18°36'23	21°41	10°57	14°53	8° 6	22°52	16°17	10°38	6°22	1° 6	9°24	8° 9	23°36	n.a.	M17
T 18	1 23 51	19°37'07	3♍52	11°53	16° 6	8°38	23° 5	16°24	10°37	6°21	1° 5	9°22	8° 6	23°43	n.a.	T 18
W19	1 27 48	20°37'52	16°18	12°44	17°20	9°10	23°19	16°31	10°35	6°20	1° 4	9°16	8° 3	23°49	n.a.	W19
T 20	1 31 45	21°38'39	29° 4	13°31	18°34	9°43	23°32	16°38	10°34	6°19	1° 4	9° 8	8° 0	23°56	n.a.	T 20
F 21	1 35 41	22°39'28	12♎ 9	14°12	19°48	10°14	23°45	16°45	10°32	6°18	1° 3	8°57	7°56	24° 3	n.a.	F 21
S 22	1 39 38	23°40'18	25°33	14°47	21° 2	10°46	23°59	16°52	10°31	6°16	1° 2	8°45	7°53	24° 9	n.a.	S 22
S 23	1 43 34	24°41'09	9♏14	15°15	22°16	11°18	24°12	16°59	10°29	6°15	1° 2	8°32	7°50	24°16	n.a.	S 23
M24	1 47 31	25°42'02	23° 8	15°36	23°30	11°50	24°26	17° 6	10°28	6°14	1° 1	8°20	7°47	24°23	n.a.	M24
T 25	1 51 27	26°42'56	7♐11	15°48	24°44	12°21	24°39	17°13	10°26	6°13	1° 1	8°11	7°44	24°29	n.a.	T 25
W26	1 55 24	27°43'51	21°19	15°R52	25°58	12°52	24°53	17°20	10°24	6°12	1° 0	8° 4	7°41	24°36	n.a.	W26
T 27	1 59 20	28°44'47	5♑27	15°45	27°12	13°23	25° 6	17°27	10°23	6°10	0°59	8° 0	7°37	24°43	n.a.	T 27
F 28	2 3 17	29°45'44	19°35	15°28	28°27	13°54	25°20	17°34	10°21	6° 9	0°59	7°58	7°34	24°49	n.a.	F 28
S 29	2 7 14	0♏46'42	3♒40	15° 0	29°41	14°25	25°33	17°41	10°19	6° 8	0°58	7°58	7°31	24°56	n.a.	S 29
S 30	2 11 10	1°47'40	17°42	14°20	0♎55	14°56	25°47	17°48	10°17	6° 6	0°58	7°58	7°28	25° 3	n.a.	S 30
M31	2 15 7	2♏48'40	1♓41	13♏31	2♎10	15♌27	26♎ 0	17♎55	10♊15	6♊ 5	0♓57	7♌56	7♌25	25♋ 9	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	1s 0	20s14	1n34	9s55	1s46	14n17	1n 8	21n55	1n23	6s44	0n59	3s39	2n17	22n26	0n 5	20n23	1s19	26s50	16s56	17n49	18n14	20n27		n.a.
S 2	1 24	18 26	0 19	10 32	1 51	13 54	1 10	21 49	1 24	6 50	0 59	3 42	2 17	22 26	0 5	20 23	1 19	26 50	16 55	17 48	18 15	20 26		n.a.
M 3	1 48	15 28	0s58	11 9	1 57	13 31	1 13	21 42	1 25	6 55	0 59	3 44	2 17	22 26	0 5	20 23	1 19	26 50	16 55	17 48	18 16	20 26		n.a.
T 4	2 13	11 33	2 11	11 45	2 2	13 8	1 15	21 36	1 26	7 0	0 59	3 47	2 17	22 26	0 5	20 23	1 19	26 50	16 55	17 49	18 17	20 26		n.a.
W 5	2 37	7 0	3 15	12 20	2 7	12 44	1 17	21 29	1 27	7 5	0 59	3 50	2 17	22 26	0 5	20 23	1 19	26 50	16 55	17 51	18 17	20 26		n.a.
T 6	3 1	2 8	4 6	12 54	2 12	12 20	1 19	21 22	1 28	7 10	0 59	3 53	2 17	22 26	0 5	20 23	1 19	26 51	16 55	17 53	18 18	20 25		n.a.
F 7	3 25	2n46	4 42	13 27	2 17	11 55	1 22	21 15	1 28	7 15	0 59	3 55	2 17	22 26	0 5	20 22	1 19	26 51	16 54	17 55	18 19	20 25		n.a.
S 8	3 49	7 26	5 1	13 59	2 21	11 30	1 24	21 9	1 29	7 20	0 59	3 58	2 17	22 26	0 5	20 22	1 19	26 51	16 54	17 58	18 20	20 25		n.a.
S 9	4 13	11 37	5 3	14 31	2 25	11 5	1 25	21 1	1 30	7 25	0 58	4 1	2 17	22 26	0 5	20 22	1 19	26 51	16 54	18 1	18 21	20 25		n.a.
M10	4 37	15 9	4 50	15 1	2 29	10 40	1 27	20 54	1 31	7 31	0 58	4 4	2 17	22 26	0 5	20 22	1 19	26 51	16 54	18 3	18 22	20 24		n.a.
T 11	5 1	17 54	4 23	15 29	2 32	10 14	1 29	20 47	1 32	7 36	0 58	4 7	2 17	22 25	0 5	20 22	1 19	26 51	16 53	18 5	18 22	20 24		n.a.
W12	5 25	19 47	3 44	15 57	2 34	9 47	1 31	20 40	1 33	7 41	0 58	4 9	2 17	22 25	0 5	20 22	1 19	26 51	16 53	18 7	18 23	20 24		n.a.
T 13	5 49	20 44	2 56	16 23	2 37	9 21	1 32	20 32	1 34	7 46	0 58	4 12	2 16	22 25	0 5	20 21	1 19	26 51	16 53	18 7	18 24	20 24		n.a.
F 14	6 12	20 45	2 1	16 47	2 38	8 54	1 34	20 25	1 35	7 51	0 58	4 15	2 16	22 25	0 5	20 21	1 19	26 51	16 53	18 8	18 25	20 23		n.a.
S 15	6 36	19 51	1 1	17 10	2 39	8 27	1 35	20 18	1 36	7 56	0 58	4 18	2 16	22 25	0 5	20 21	1 19	26 51	16 52	18 7	18 26	20 23		n.a.
S 16	6 59	18 4	0n 2	17 31	2 40	7 59	1 36	20 10	1 36	8 1	0 58	4 20	2 16	22 25	0 5	20 21	1 19	26 52	16 52	18 7	18 27	20 23		n.a.
M17	7 23	15 29	1 5	17 50	2 40	7 32	1 38	20 2	1 37	8 6	0 58	4 23	2 16	22 25	0 5	20 21	1 19	26 52	16 52	18 8	18 27	20 22		n.a.
T 18	7 46	12 10	2 6	18 6	2 39	7 4	1 39	19 55	1 38	8 11	0 58	4 26	2 16	22 24	0 5	20 20	1 19	26 52	16 52	18 8	18 28	20 22		n.a.
W19	8 9	8 16	3 3	18 21	2 37	6 36	1 40	19 47	1 39	8 16	0 58	4 29	2 16	22 24	0 5	20 20	1 19	26 52	16 51	18 10	18 29	20 22		n.a.
T 20	8 32	3 55	3 51	18 32	2 34	6 7	1 41	19 39	1 40	8 22	0 58	4 31	2 16	22 24	0 5	20 20	1 19	26 52	16 51	18 12	18 30	20 22		n.a.
F 21	8 55	0s44	4 29	18 41	2 31	5 39	1 42	19 31	1 41	8 27	0 58	4 34	2 16	22 24	0 5	20 20	1 19	26 52	16 51	18 15	18 31	20 21		n.a.
S 22	9 18	5 27	4 53	18 47	2 26	5 10	1 43	19 23	1 42	8 32	0 58	4 37	2 16	22 24	0 5	20 20	1 19	26 52	16 51	18 18	18 32	20 21		n.a.
S 23	9 41	10 0	5 1	18 50	2 20	4 41	1 43	19 15	1 43	8 37	0 57	4 39	2 16	22 23	0 5	20 19	1 19	26 52	16 50	18 21	18 32	20 21		n.a.
M24	10 3	14 6	4 51	18 49	2 12	4 12	1 44	19 7	1 44	8 42	0 57	4 42	2 16	22 23	0 5	20 19	1 19	26 52	16 50	18 25	18 33	20 20		n.a.
T 25	10 26	17 27	4 24	18 45	2 3	3 43	1 44	18 59	1 45	8 47	0 57	4 45	2 16	22 23	0 5	20 19	1 19	26 51	16 50	18 27	18 34	20 20		n.a.
W26	10 48	19 48	3 40	18 36	1 53	3 13	1 45	18 51	1 46	8 52	0 57	4 47	2 17	22 23	0 5	20 19	1 19	26 51	16 49	18 29	18 35	20 20		n.a.
T 27	11 10	20 55	2 43	18 22	1 41	2 44	1 45	18 43	1 47	8 57	0 57	4 50	2 17	22 22	0 5	20 18	1 20	26 51	16 49	18 30	18 36	20 19		n.a.
F 28	11 32	20 43	1 36	18 4	1 28	2 14	1 46	18 35	1 48	9 2	0 57	4 53	2 17	22 22	0 5	20 18	1 20	26 51	16 49	18 30	18 37	20 19		n.a.
S 29	11 53	19 13	0 23	17 42	1 13	1 44	1 46	18 27	1 49	9 7	0 57	4 55	2 17	22 22	0 5	20 18	1 20	26 51	16 48	18 30	18 37	20 19		n.a.
S 30	12 15	16 32	0s51	17 14	0 56	1 15	1 46	18 19	1 50	9 12	0 57	4 58	2 17	22 22	0 5	20 18	1 20	26 51	16 48	18 31	18 38	20 18		n.a.
M31	12s36	12s54	2s 2	16s42	0s38	0n45	1n46	18n10	1n51	9s17	0n57	5s 1	2n17	22n21	0n 5	20n17	1s20	26s51	16s48	18n31	18n39	20n18		n.a.

Julian Day Number = 1574500.5, Delta T = 04h15m28s
Ecliptic obliquity = 23°44'33, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'38, Lahiri = - 9°30'37 Julian Calendar 1 Oct. 403 BCE == Greg. Calendar 26 Sept. 403 BCE

The year -402 astronomical counting style corresponds to year 403 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

NOVEMBER 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 19 3	3♏49'40	15♓34	12°R30	3♎24	15♌57	26♎13	18♎ 1	10°R14	6°R 4	0°R57	7°R52	7♌22	25♋16	n.a.	T 1
W 2	2 23 0	4°50'41	29°22	11♏22	4°38	16°27	26°27	18° 8	10♊12	6♊ 2	0♓57	7♌45	7°18	25°22	n.a.	W 2
T 3	2 26 56	5°51'43	13♈ 2	10° 6	5°53	16°58	26°40	18°15	10°10	6° 1	0°56	7°35	7°15	25°29	n.a.	T 3
F 4	2 30 53	6°52'46	26°30	8°45	7° 7	17°28	26°53	18°22	10° 8	6° 0	0°56	7°23	7°12	25°36	n.a.	F 4
S 5	2 34 49	7°53'50	9♉45	7°22	8°22	17°57	27° 7	18°29	10° 6	5°58	0°55	7° 9	7° 9	25°42	n.a.	S 5
S 6	2 38 46	8°54'54	22°45	6° 0	9°37	18°27	27°20	18°36	10° 3	5°57	0°55	6°56	7° 6	25°49	n.a.	S 6
M 7	2 42 43	9°56'00	5♊27	4°41	10°51	18°57	27°34	18°42	10° 1	5°55	0°55	6°43	7° 2	25°56	n.a.	M 7
T 8	2 46 39	10°57'07	17°53	3°29	12° 6	19°26	27°47	18°49	9°59	5°54	0°54	6°33	6°59	26° 2	n.a.	T 8
W 9	2 50 36	11°58'14	0♋ 3	2°24	13°21	19°55	28° 0	18°56	9°57	5°52	0°54	6°25	6°56	26° 9	n.a.	W 9
T 10	2 54 32	12°59'23	12° 2	1°29	14°35	20°24	28°13	19° 2	9°55	5°51	0°54	6°21	6°53	26°16	n.a.	T 10
F 11	2 58 29	14° 0'32	23°52	0°45	15°50	20°53	28°27	19° 9	9°53	5°49	0°54	6°19	6°50	26°22	n.a.	F 11
S 12	3 2 25	15° 1'43	5♌39	0°11	17° 5	21°22	28°40	19°16	9°50	5°47	0°53	6°D18	6°47	26°29	n.a.	S 12
S 13	3 6 22	16° 2'54	17°28	29♎49	18°20	21°50	28°53	19°22	9°48	5°46	0°53	6°R18	6°43	26°36	n.a.	S 13
M14	3 10 18	17° 4'07	29°25	29°38	19°34	22°18	29° 6	19°29	9°46	5°44	0°53	6°18	6°40	26°42	n.a.	M14
T 15	3 14 15	18° 5'20	11♍36	29°D38	20°49	22°46	29°19	19°35	9°43	5°43	0°53	6°16	6°37	26°49	n.a.	T 15
W16	3 18 12	19° 6'34	24° 5	29°47	22° 4	23°14	29°32	19°42	9°41	5°41	0°53	6°11	6°34	26°56	n.a.	W16
T 17	3 22 8	20° 7'48	6♎56	0♏ 4	23°19	23°42	29°46	19°48	9°39	5°39	0°53	6° 3	6°31	27° 2	n.a.	T 17
F 18	3 26 5	21° 9'03	20°11	0°30	24°34	24°10	29°59	19°55	9°36	5°38	0°53	5°54	6°28	27° 9	n.a.	F 18
S 19	3 30 1	22°10'19	3♏51	1° 4	25°49	24°37	0♏12	20° 1	9°34	5°36	0°53	5°42	6°24	27°15	n.a.	S 19
S 20	3 33 58	23°11'35	17°53	1°43	27° 4	25° 4	0°25	20° 7	9°31	5°35	0°D53	5°30	6°21	27°22	n.a.	S 20
M21	3 37 54	24°12'52	2♐13	2°29	28°19	25°31	0°37	20°14	9°29	5°33	0°53	5°18	6°18	27°29	n.a.	M21
T 22	3 41 51	25°14'09	16°43	3°20	29°34	25°57	0°50	20°20	9°26	5°31	0°53	5° 9	6°15	27°35	n.a.	T 22
W23	3 45 47	26°15'26	1♑18	4°15	0♏49	26°24	1° 3	20°26	9°24	5°30	0°53	5° 2	6°12	27°42	n.a.	W23
T 24	3 49 44	27°16'44	15°51	5°14	2° 4	26°50	1°16	20°32	9°21	5°28	0°53	4°58	6° 8	27°49	n.a.	T 24
F 25	3 53 41	28°18'01	0♒17	6°17	3°19	27°16	1°29	20°38	9°19	5°26	0°53	4°D56	6° 5	27°55	n.a.	F 25
S 26	3 57 37	29°19'18	14°32	7°22	4°34	27°41	1°42	20°44	9°16	5°24	0°53	4°56	6° 2	28° 2	n.a.	S 26
S 27	4 1 34	0♐20'35	28°35	8°31	5°49	28° 7	1°54	20°50	9°14	5°23	0°53	4°R57	5°59	28° 9	n.a.	S 27
M28	4 5 30	1°21'51	12♓25	9°42	7° 4	28°32	2° 7	20°56	9°11	5°21	0°53	4°56	5°56	28°15	n.a.	M28
T 29	4 9 27	2°23'07	26° 4	10°55	8°19	28°57	2°19	21° 2	9° 9	5°19	0°54	4°54	5°53	28°22	n.a.	T 29
W30	4 13 23	3♐24'23	9♈31	12♏10	9♏34	29♌21	2♏32	21♎ 8	9♊ 6	5♊18	0♓54	4♌49	5♌49	28♋29	n.a.	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	12s57	8s35	3s 5	16s 5	0s19	0n15	1n46	18n 2	1n52	9s22	0n57	5s 3	2n17	22n21	0n 5	20n17	1s20	26s51	16s47	18n32	18n40	20n17		n.a.
W 2	13 18	3 51	3 56	15 25	0n 1	0s15	1 46	17 54	1 53	9 27	0 57	5 6	2 17	22 21	0 5	20 17	1 20	26 51	16 47	18 34	18 41	20 17		n.a.
T 3	13 39	1n 1	4 33	14 41	0 22	0 45	1 46	17 46	1 54	9 32	0 57	5 8	2 17	22 21	0 5	20 17	1 20	26 51	16 47	18 36	18 42	20 17		n.a.
F 4	13 59	5 47	4 55	13 56	0 42	1 15	1 45	17 37	1 55	9 37	0 57	5 11	2 17	22 20	0 5	20 16	1 20	26 50	16 46	18 39	18 42	20 16		n.a.
S 5	14 19	10 11	5 0	13 10	1 2	1 45	1 45	17 29	1 56	9 41	0 57	5 14	2 17	22 20	0 5	20 16	1 20	26 50	16 46	18 43	18 43	20 16		n.a.
S 6	14 39	14 2	4 49	12 25	1 21	2 15	1 44	17 21	1 57	9 46	0 57	5 16	2 17	22 20	0 5	20 16	1 20	26 50	16 46	18 47	18 44	20 16		n.a.
M 7	14 59	17 9	4 24	11 42	1 39	2 45	1 44	17 12	1 58	9 51	0 57	5 19	2 17	22 19	0 5	20 16	1 20	26 50	16 45	18 50	18 45	20 15		n.a.
T 8	15 18	19 25	3 46	11 2	1 55	3 15	1 43	17 4	1 59	9 56	0 57	5 21	2 17	22 19	0 5	20 15	1 20	26 50	16 45	18 52	18 46	20 15		n.a.
W 9	15 37	20 45	2 59	10 27	2 9	3 45	1 43	16 56	2 0	10 1	0 57	5 24	2 17	22 19	0 6	20 15	1 20	26 49	16 45	18 54	18 46	20 14		n.a.
T 10	15 56	21 7	2 5	9 57	2 21	4 15	1 42	16 47	2 1	10 6	0 57	5 26	2 17	22 19	0 6	20 15	1 20	26 49	16 44	18 55	18 47	20 14		n.a.
F 11	16 15	20 32	1 6	9 32	2 30	4 45	1 41	16 39	2 3	10 10	0 57	5 29	2 17	22 18	0 6	20 14	1 20	26 49	16 44	18 56	18 48	20 14		n.a.
S 12	16 33	19 2	0 3	9 14	2 37	5 15	1 40	16 31	2 4	10 15	0 57	5 31	2 17	22 18	0 6	20 14	1 20	26 49	16 44	18 56	18 49	20 13		n.a.
S 13	16 51	16 44	0n59	9 1	2 43	5 45	1 39	16 22	2 5	10 20	0 57	5 33	2 17	22 18	0 6	20 14	1 20	26 48	16 43	18 56	18 50	20 13		n.a.
M14	17 9	13 41	1 59	8 54	2 46	6 14	1 38	16 14	2 6	10 25	0 57	5 36	2 17	22 17	0 6	20 14	1 20	26 48	16 43	18 56	18 50	20 12		n.a.
T 15	17 26	10 0	2 56	8 52	2 48	6 44	1 37	16 6	2 7	10 29	0 57	5 38	2 18	22 17	0 6	20 13	1 20	26 48	16 43	18 57	18 51	20 12		n.a.
W16	17 43	5 49	3 45	8 55	2 48	7 13	1 36	15 57	2 8	10 34	0 57	5 41	2 18	22 17	0 6	20 13	1 20	26 48	16 42	18 58	18 52	20 11		n.a.
T 17	18 0	1 15	4 24	9 2	2 47	7 42	1 35	15 49	2 9	10 39	0 57	5 43	2 18	22 16	0 6	20 13	1 20	26 47	16 42	19 0	18 53	20 11		n.a.
F 18	18 16	3s30	4 51	9 13	2 45	8 11	1 33	15 41	2 11	10 43	0 57	5 45	2 18	22 16	0 6	20 12	1 20	26 47	16 42	19 2	18 54	20 11		n.a.
S 19	18 33	8 14	5 2	9 28	2 42	8 40	1 32	15 33	2 12	10 48	0 57	5 48	2 18	22 15	0 6	20 12	1 20	26 47	16 41	19 5	18 54	20 10		n.a.
S 20	18 48	12 40	4 55	9 46	2 38	9 9	1 31	15 25	2 13	10 53	0 57	5 50	2 18	22 15	0 6	20 12	1 20	26 46	16 41	19 8	18 55	20 10		n.a.
M21	19 4	16 28	4 30	10 6	2 33	9 37	1 29	15 17	2 14	10 57	0 57	5 52	2 18	22 15	0 6	20 12	1 20	26 46	16 41	19 11	18 56	20 9		n.a.
T 22	19 19	19 19	3 47	10 28	2 28	10 6	1 28	15 9	2 15	11 2	0 57	5 55	2 18	22 14	0 6	20 11	1 20	26 46	16 40	19 13	18 57	20 9		n.a.
W23	19 34	20 55	2 49	10 53	2 22	10 34	1 26	15 1	2 16	11 6	0 57	5 57	2 18	22 14	0 6	20 11	1 20	26 45	16 40	19 15	18 58	20 8		n.a.
T 24	19 48	21 8	1 40	11 18	2 15	11 1	1 24	14 53	2 18	11 11	0 57	5 59	2 18	22 14	0 6	20 11	1 20	26 45	16 39	19 16	18 58	20 8		n.a.
F 25	20 2	19 57	0 25	11 46	2 9	11 29	1 23	14 45	2 19	11 15	0 57	6 1	2 19	22 13	0 6	20 10	1 20	26 45	16 39	19 16	18 59	20 7		n.a.
S 26	20 16	17 30	0s51	12 14	2 2	11 56	1 21	14 37	2 20	11 20	0 57	6 3	2 19	22 13	0 6	20 10	1 20	26 44	16 39	19 16	19 0	20 7		n.a.
S 27	20 29	14 2	2 3	12 43	1 54	12 23	1 19	14 29	2 21	11 24	0 57	6 6	2 19	22 13	0 6	20 10	1 20	26 44	16 38	19 16	19 1	20 6		n.a.
M28	20 42	9 51	3 6	13 13	1 47	12 50	1 17	14 22	2 23	11 29	0 57	6 8	2 19	22 12	0 6	20 10	1 20	26 43	16 38	19 16	19 2	20 6		n.a.
T 29	20 54	5 13	3 58	13 43	1 39	13 16	1 15	14 14	2 24	11 33	0 57	6 10	2 19	22 12	0 6	20 9	1 20	26 43	16 38	19 17	19 2	20 5		n.a.
W30	21s 6	0s24	4s36	14s14	1n32	13s42	1n14	14n 6	2n25	11s37	0n57	6s12	2n19	22n11	0n 6	20n 9	1s20	26s43	16s37	19n18	19n 3	20n 5		n.a.

Julian Day Number = 1574531.5, Delta T = 04h15m27s
Ecliptic obliquity = 23°44'33, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'34, Lahiri = - 9°30'33 Julian Calendar 1 Nov. 403 BCE == Greg. Calendar 27 Oct. 403 BCE

The year -402 astronomical counting style corresponds to year 403 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 403 BCE
geocentric

DECEMBER 403 BCE (-402) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 17 20	4♐25'38	22♈46	13♏27	10♏49	29♌45	2♏44	21♎14	9°R 3	5°R16	0♓54	4°R41	5♌46	28♋35	n.a.	T 1
F 2	4 21 16	5°26'53	5♉50	14°45	12° 4	0♍10	2°57	21°19	9♊ 1	5♊14	0°54	4♌31	5°43	28°42	n.a.	F 2
S 3	4 25 13	6°28'08	18°42	16° 5	13°19	0°33	3° 9	21°25	8°58	5°13	0°55	4°20	5°40	28°49	n.a.	S 3
S 4	4 29 10	7°29'23	1♊22	17°26	14°34	0°57	3°21	21°31	8°56	5°11	0°55	4° 9	5°37	28°55	n.a.	S 4
M 5	4 33 6	8°30'38	13°50	18°47	15°50	1°20	3°34	21°36	8°53	5° 9	0°55	3°59	5°33	29° 2	n.a.	M 5
T 6	4 37 3	9°31'52	26° 5	20°10	17° 5	1°43	3°46	21°42	8°51	5° 7	0°56	3°51	5°30	29° 8	n.a.	T 6
W 7	4 40 59	10°33'06	8♋ 9	21°34	18°20	2° 5	3°58	21°47	8°48	5° 6	0°56	3°45	5°27	29°15	n.a.	W 7
T 8	4 44 56	11°34'20	20° 4	22°59	19°35	2°28	4°10	21°53	8°45	5° 4	0°56	3°41	5°24	29°22	n.a.	T 8
F 9	4 48 52	12°35'33	1♌52	24°25	20°50	2°50	4°22	21°58	8°43	5° 2	0°57	3°D40	5°21	29°28	n.a.	F 9
S 10	4 52 49	13°36'47	13°39	25°51	22° 5	3°11	4°34	22° 3	8°40	5° 1	0°57	3°41	5°18	29°35	n.a.	S 10
S 11	4 56 46	14°38'00	25°27	27°18	23°20	3°33	4°46	22° 8	8°38	4°59	0°58	3°42	5°14	29°42	n.a.	S 11
M12	5 0 42	15°39'12	7♍23	28°45	24°35	3°54	4°58	22°13	8°35	4°57	0°58	3°43	5°11	29°48	n.a.	M12
T 13	5 4 39	16°40'25	19°31	0♐14	25°50	4°14	5° 9	22°18	8°32	4°56	0°59	3°R43	5° 8	29°55	n.a.	T 13
W14	5 8 35	17°41'37	1♎56	1°43	27° 5	4°34	5°21	22°23	8°30	4°54	0°59	3°42	5° 5	0♌ 2	n.a.	W14
T 15	5 12 32	18°42'49	14°45	3°12	28°21	4°54	5°33	22°28	8°27	4°52	1° 0	3°39	5° 2	0° 8	n.a.	T 15
F 16	5 16 28	19°44'00	27°59	4°42	29°36	5°14	5°44	22°33	8°25	4°51	1° 0	3°34	4°59	0°15	n.a.	F 16
S 17	5 20 25	20°45'11	11♏41	6°13	0♐51	5°33	5°55	22°38	8°22	4°49	1° 1	3°28	4°55	0°22	n.a.	S 17
S 18	5 24 21	21°46'22	25°50	7°44	2° 6	5°52	6° 7	22°43	8°20	4°47	1° 2	3°21	4°52	0°28	n.a.	S 18
M19	5 28 18	22°47'32	10♐22	9°16	3°21	6°10	6°18	22°47	8°17	4°46	1° 2	3°14	4°49	0°35	n.a.	M19
T 20	5 32 15	23°48'41	25°12	10°48	4°36	6°28	6°29	22°52	8°15	4°44	1° 3	3° 8	4°46	0°42	n.a.	T 20
W21	5 36 11	24°49'49	10♑10	12°21	5°51	6°45	6°40	22°56	8°12	4°43	1° 4	3° 4	4°43	0°48	n.a.	W21
T 22	5 40 8	25°50'57	25° 8	13°55	7° 6	7° 2	6°51	23° 1	8°10	4°41	1° 4	3° 2	4°39	0°55	n.a.	T 22
F 23	5 44 4	26°52'03	9♒59	15°29	8°21	7°19	7° 2	23° 5	8° 7	4°40	1° 5	3°D 2	4°36	1° 1	n.a.	F 23
S 24	5 48 1	27°53'08	24°35	17° 3	9°36	7°35	7°13	23° 9	8° 5	4°38	1° 6	3° 3	4°33	1° 8	n.a.	S 24
S 25	5 51 57	28°54'11	8♓53	18°39	10°52	7°51	7°24	23°14	8° 3	4°36	1° 7	3° 5	4°30	1°15	n.a.	S 25
M26	5 55 54	29°55'14	22°50	20°15	12° 7	8° 6	7°35	23°18	8° 0	4°35	1° 8	3° 6	4°27	1°21	n.a.	M26
T 27	5 59 51	0♈56'15	6♈28	21°51	13°22	8°20	7°45	23°22	7°58	4°33	1° 8	3°R 6	4°24	1°28	n.a.	T 27
W28	6 3 47	1°57'14	19°47	23°28	14°37	8°35	7°56	23°26	7°56	4°32	1° 9	3° 5	4°20	1°35	n.a.	W28
T 29	6 7 44	2°58'12	2♉48	25° 6	15°52	8°48	8° 6	23°30	7°53	4°31	1°10	3° 2	4°17	1°41	n.a.	T 29
F 30	6 11 40	3°59'09	15°35	26°45	17° 7	9° 2	8°16	23°33	7°51	4°29	1°11	2°58	4°14	1°48	n.a.	F 30
S 31	6 15 37	5♈ 0'04	28♉ 8	28♐24	18♐22	9♍14	8♏26	23♎37	7♊49	4♊28	1♓12	2♌53	4♌11	1♌55	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
T 1	21s18	4n22	4s58	14s45	1n24	14s 8	1n12	13n59	2n27	11s42	0n57	6s14	2n19	22n11	0n 6	20n 9	1s20	26s42	16s37	19n20	19n 4	20n 4			n.a.
F 2	21 29	8 51	5 4	15 15	1 16	14 33	1 9	13 51	2 28	11 46	0 57	6 16	2 19	22 11	0 6	20 8	1 20	26 42	16 37	19 22	19 5	20 4			n.a.
S 3	21 40	12 53	4 55	15 46	1 8	14 58	1 7	13 44	2 29	11 50	0 57	6 18	2 20	22 10	0 6	20 8	1 20	26 41	16 36	19 25	19 6	20 3			n.a.
S 4	21 50	16 16	4 31	16 17	1 0	15 23	1 5	13 37	2 30	11 54	0 57	6 20	2 20	22 10	0 6	20 8	1 20	26 41	16 36	19 28	19 6	20 3			n.a.
M 5	22 0	18 52	3 55	16 48	0 52	15 47	1 3	13 30	2 32	11 58	0 57	6 22	2 20	22 9	0 6	20 7	1 20	26 40	16 35	19 30	19 7	20 2			n.a.
T 6	22 10	20 33	3 8	17 18	0 45	16 10	1 1	13 23	2 33	12 3	0 57	6 24	2 20	22 9	0 6	20 7	1 20	26 40	16 35	19 32	19 8	20 2			n.a.
W 7	22 19	21 17	2 13	17 48	0 37	16 34	0 59	13 16	2 35	12 7	0 57	6 26	2 20	22 9	0 6	20 7	1 20	26 40	16 35	19 34	19 9	20 1			n.a.
T 8	22 27	21 1	1 13	18 17	0 29	16 57	0 56	13 9	2 36	12 11	0 57	6 28	2 20	22 8	0 6	20 7	1 20	26 39	16 34	19 34	19 10	20 1			n.a.
F 9	22 36	19 50	0 10	18 46	0 21	17 19	0 54	13 2	2 37	12 15	0 57	6 30	2 20	22 8	0 6	20 6	1 20	26 39	16 34	19 35	19 10	20 0			n.a.
S 10	22 43	17 48	0n54	19 14	0 14	17 41	0 52	12 55	2 39	12 19	0 57	6 31	2 21	22 7	0 6	20 6	1 20	26 38	16 34	19 35	19 11	20 0			n.a.
S 11	22 51	15 0	1 55	19 42	0 6	18 3	0 50	12 49	2 40	12 23	0 57	6 33	2 21	22 7	0 6	20 6	1 20	26 38	16 33	19 34	19 12	19 59			n.a.
M12	22 58	11 34	2 52	20 9	0s 1	18 24	0 47	12 42	2 41	12 27	0 57	6 35	2 21	22 7	0 6	20 5	1 20	26 37	16 33	19 34	19 13	19 59			n.a.
T 13	23 4	7 36	3 42	20 35	0 8	18 44	0 45	12 36	2 43	12 31	0 57	6 37	2 21	22 6	0 6	20 5	1 20	26 37	16 33	19 34	19 13	19 58			n.a.
W14	23 10	3 15	4 24	21 1	0 15	19 4	0 42	12 30	2 44	12 35	0 57	6 38	2 21	22 6	0 6	20 5	1 20	26 36	16 32	19 34	19 14	19 57			n.a.
T 15	23 15	1s23	4 53	21 26	0 22	19 24	0 40	12 24	2 46	12 39	0 57	6 40	2 21	22 5	0 6	20 5	1 19	26 35	16 32	19 35	19 15	19 57			n.a.
F 16	23 20	6 6	5 8	21 49	0 29	19 43	0 37	12 18	2 47	12 42	0 57	6 42	2 22	22 5	0 6	20 4	1 19	26 35	16 32	19 36	19 16	19 56			n.a.
S 17	23 25	10 40	5 7	22 12	0 36	20 1	0 35	12 12	2 49	12 46	0 57	6 43	2 22	22 5	0 6	20 4	1 19	26 34	16 31	19 38	19 17	19 56			n.a.
S 18	23 29	14 49	4 46	22 34	0 42	20 19	0 32	12 7	2 50	12 50	0 57	6 45	2 22	22 4	0 6	20 4	1 19	26 34	16 31	19 39	19 17	19 55			n.a.
M19	23 33	18 12	4 8	22 55	0 48	20 36	0 30	12 1	2 52	12 54	0 57	6 47	2 22	22 4	0 6	20 3	1 19	26 33	16 31	19 41	19 18	19 55			n.a.
T 20	23 36	20 28	3 11	23 15	0 55	20 53	0 27	11 56	2 53	12 57	0 57	6 48	2 22	22 3	0 6	20 3	1 19	26 33	16 30	19 42	19 19	19 54			n.a.
W21	23 38	21 20	2 1	23 34	1 0	21 9	0 25	11 51	2 55	13 1	0 57	6 50	2 22	22 3	0 6	20 3	1 19	26 32	16 30	19 43	19 20	19 53			n.a.
T 22	23 41	20 40	0 43	23 51	1 6	21 24	0 22	11 46	2 56	13 5	0 57	6 51	2 23	22 3	0 6	20 3	1 19	26 32	16 30	19 44	19 20	19 53			n.a.
F 23	23 42	18 35	0s38	24 8	1 12	21 39	0 20	11 41	2 58	13 8	0 57	6 53	2 23	22 2	0 6	20 2	1 19	26 31	16 29	19 44	19 21	19 52			n.a.
S 24	23 44	15 18	1 55	24 23	1 17	21 53	0 17	11 36	2 59	13 12	0 57	6 54	2 23	22 2	0 6	20 2	1 19	26 30	16 29	19 43	19 22	19 52			n.a.
S 25	23 44	11 10	3 3	24 37	1 22	22 7	0 15	11 32	3 1	13 15	0 57	6 55	2 23	22 2	0 6	20 2	1 19	26 30	16 29	19 43	19 23	19 51			n.a.
M26	23 45	6 32	3 59	24 49	1 27	22 20	0 12	11 27	3 3	13 19	0 57	6 57	2 23	22 1	0 6	20 2	1 19	26 29	16 28	19 43	19 24	19 50			n.a.
T 27	23 44	1 41	4 40	25 0	1 31	22 32	0 10	11 23	3 4	13 22	0 57	6 58	2 24	22 1	0 6	20 1	1 19	26 29	16 28	19 43	19 24	19 50			n.a.
W28	23 44	3n 8	5 5	25 10	1 36	22 43	0 7	11 19	3 6	13 25	0 57	6 59	2 24	22 0	0 6	20 1	1 19	26 28	16 28	19 43	19 25	19 49			n.a.
T 29	23 43	7 42	5 13	25 19	1 40	22 54	0 5	11 15	3 7	13 29	0 57	7 1	2 24	22 0	0 6	20 1	1 19	26 28	16 28	19 44	19 26	19 48			n.a.
F 30	23 41	11 50	5 6	25 25	1 43	23 4	0 2	11 12	3 9	13 32	0 58	7 2	2 24	22 0	0 6	20 1	1 19	26 27	16 27	19 45	19 27	19 48			n.a.
S 31	23s39	15n23	4s44	25s31	1s47	23s14	0s 0	11n 8	3n11	13s35	0n58	7s 3	2n24	21n59	0n 6	20n 0	1s19	26s26	16s27	19n46	19n27	19n47			n.a.

Julian Day Number = 1574561.5, Delta T = 04h15m26s
Ecliptic obliquity = 23°44'33, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'29, Lahiri = - 9°30'29 Julian Calendar 1 Dec. 403 BCE == Greg. Calendar 26 Nov. 403 BCE

The year -402 astronomical counting style corresponds to year 403 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

JANUARY 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 19 33	6♑ 0'58	10♊29	0♑ 4	19♐37	9♍27	8♏36	23♎41	7°R47	4°R26	1♓13	2°R48	4♌ 8	2♌ 1	n.a.	S 1
M 2	6 23 30	7° 1'51	22°41	1°44	20°52	9°38	8°46	23°44	7♊44	4♊25	1°14	2♌44	4° 5	2° 8	n.a.	M 2
T 3	6 27 26	8° 2'42	4♋43	3°26	22° 7	9°49	8°56	23°48	7°42	4°23	1°15	2°40	4° 1	2°15	n.a.	T 3
W 4	6 31 23	9° 3'32	16°39	5° 8	23°22	10° 0	9° 6	23°51	7°40	4°22	1°16	2°38	3°58	2°21	n.a.	W 4
T 5	6 35 20	10° 4'21	28°30	6°51	24°37	10°10	9°16	23°54	7°38	4°21	1°17	2°D37	3°55	2°28	n.a.	T 5
F 6	6 39 16	11° 5'08	10♌17	8°34	25°52	10°19	9°25	23°57	7°36	4°19	1°18	2°37	3°52	2°35	n.a.	F 6
S 7	6 43 13	12° 5'54	22° 4	10°19	27° 7	10°28	9°34	24° 0	7°34	4°18	1°19	2°38	3°49	2°41	n.a.	S 7
S 8	6 47 9	13° 6'38	3♍54	12° 4	28°22	10°36	9°44	24° 3	7°32	4°17	1°20	2°40	3°45	2°48	n.a.	S 8
M 9	6 51 6	14° 7'22	15°51	13°50	29°37	10°44	9°53	24° 6	7°30	4°16	1°21	2°41	3°42	2°54	n.a.	M 9
T 10	6 55 2	15° 8'04	27°59	15°37	0♑52	10°51	10° 2	24° 9	7°28	4°15	1°22	2°43	3°39	3° 1	n.a.	T 10
W11	6 58 59	16° 8'44	10♎22	17°24	2° 6	10°57	10°11	24°12	7°26	4°13	1°23	2°43	3°36	3° 8	n.a.	W11
T 12	7 2 55	17° 9'24	23° 6	19°13	3°21	11° 2	10°20	24°14	7°24	4°12	1°24	2°R43	3°33	3°14	n.a.	T 12
F 13	7 6 52	18°10'02	6♏13	21° 2	4°36	11° 7	10°28	24°17	7°23	4°11	1°25	2°43	3°30	3°21	n.a.	F 13
S 14	7 10 49	19°10'39	19°46	22°51	5°51	11°12	10°37	24°19	7°21	4°10	1°26	2°41	3°26	3°28	n.a.	S 14
S 15	7 14 45	20°11'14	3♐48	24°42	7° 6	11°15	10°45	24°22	7°19	4° 9	1°28	2°40	3°23	3°34	n.a.	S 15
M16	7 18 42	21°11'48	18°16	26°32	8°21	11°18	10°54	24°24	7°18	4° 8	1°29	2°38	3°20	3°41	n.a.	M16
T 17	7 22 38	22°12'21	3♑ 6	28°24	9°36	11°20	11° 2	24°26	7°16	4° 7	1°30	2°37	3°17	3°48	n.a.	T 17
W18	7 26 35	23°12'52	18°12	0♒15	10°51	11°22	11°10	24°28	7°14	4° 6	1°31	2°36	3°14	3°54	n.a.	W18
T 19	7 30 31	24°13'21	3♒24	2° 7	12° 6	11°R22	11°18	24°30	7°13	4° 5	1°32	2°D36	3°11	4° 1	n.a.	T 19
F 20	7 34 28	25°13'48	18°34	3°59	13°21	11°22	11°26	24°32	7°11	4° 4	1°34	2°36	3° 7	4° 8	n.a.	F 20
S 21	7 38 24	26°14'14	3♓30	5°51	14°35	11°22	11°33	24°34	7°10	4° 3	1°35	2°37	3° 4	4°14	n.a.	S 21
S 22	7 42 21	27°14'37	18° 8	7°42	15°50	11°20	11°41	24°35	7° 8	4° 2	1°36	2°37	3° 1	4°21	n.a.	S 22
M23	7 46 18	28°14'59	2♈21	9°33	17° 5	11°18	11°48	24°37	7° 7	4° 1	1°37	2°38	2°58	4°27	n.a.	M23
T 24	7 50 14	29°15'18	16° 9	11°23	18°20	11°15	11°56	24°38	7° 6	4° 0	1°39	2°38	2°55	4°34	n.a.	T 24
W25	7 54 11	0♒15'35	29°32	13°12	19°35	11°11	12° 3	24°40	7° 4	3°59	1°40	2°R38	2°51	4°41	n.a.	W25
T 26	7 58 7	1°15'49	12♉31	14°59	20°49	11° 6	12°10	24°41	7° 3	3°59	1°41	2°38	2°48	4°47	n.a.	T 26
F 27	8 2 4	2°16'02	25°11	16°44	22° 4	11° 1	12°16	24°42	7° 2	3°58	1°43	2°D38	2°45	4°54	n.a.	F 27
S 28	8 6 0	3°16'12	7♊33	18°26	23°19	10°55	12°23	24°43	7° 1	3°57	1°44	2°38	2°42	5° 1	n.a.	S 28
S 29	8 9 57	4°16'21	19°43	20° 5	24°34	10°48	12°30	24°44	7° 0	3°57	1°45	2°38	2°39	5° 7	n.a.	S 29
M30	8 13 53	5°16'27	1♋43	21°41	25°48	10°40	12°36	24°45	6°59	3°56	1°47	2°38	2°36	5°14	n.a.	M30
T 31	8 17 50	6♒16'31	13♋36	23♒12	27♑ 3	10♍32	12♏42	24♎46	6♊58	3♊55	1♓48	2♌39	2♌32	5♌21	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	23s36	18n12	4s 8	25s34	1s50	23s23	0s 3	11n 5	3n12	13s38	0n58	7s 4	2n25	21n59	0n 6	20n 0	1s19	26s26	16s27	19n47	19n28	19n47			n.a.
M 2	23 33	20 10	3 22	25 36	1 52	23 31	0 5	11 2	3 14	13 42	0 58	7 5	2 25	21 59	0 6	20 0	1 19	26 25	16 26	19 48	19 29	19 46			n.a.
T 3	23 30	21 12	2 28	25 37	1 55	23 38	0 8	11 0	3 15	13 45	0 58	7 6	2 25	21 58	0 6	20 0	1 19	26 24	16 26	19 49	19 30	19 45			n.a.
W 4	23 26	21 15	1 27	25 35	1 57	23 45	0 10	10 57	3 17	13 48	0 58	7 7	2 25	21 58	0 6	20 0	1 19	26 24	16 26	19 49	19 30	19 45			n.a.
T 5	23 21	20 21	0 23	25 32	1 59	23 51	0 13	10 55	3 19	13 51	0 58	7 8	2 25	21 58	0 6	19 59	1 19	26 23	16 26	19 49	19 31	19 44			n.a.
F 6	23 16	18 34	0n42	25 27	2 0	23 56	0 15	10 53	3 20	13 54	0 58	7 9	2 26	21 57	0 6	19 59	1 19	26 23	16 25	19 49	19 32	19 43			n.a.
S 7	23 11	15 59	1 46	25 21	2 1	24 0	0 18	10 51	3 22	13 57	0 58	7 10	2 26	21 57	0 6	19 59	1 19	26 22	16 25	19 49	19 33	19 43			n.a.
S 8	23 5	12 45	2 45	25 12	2 1	24 4	0 20	10 49	3 24	14 0	0 58	7 11	2 26	21 57	0 6	19 59	1 19	26 21	16 25	19 49	19 33	19 42			n.a.
M 9	22 59	8 58	3 37	25 1	2 1	24 7	0 22	10 48	3 25	14 3	0 58	7 12	2 26	21 56	0 6	19 59	1 19	26 21	16 24	19 48	19 34	19 41			n.a.
T 10	22 52	4 47	4 21	24 49	2 1	24 9	0 25	10 47	3 27	14 5	0 58	7 13	2 26	21 56	0 6	19 58	1 19	26 20	16 24	19 48	19 35	19 41			n.a.
W11	22 45	0 20	4 53	24 34	2 0	24 11	0 27	10 46	3 29	14 8	0 58	7 14	2 27	21 56	0 6	19 58	1 19	26 19	16 24	19 48	19 36	19 40			n.a.
T 12	22 38	4s15	5 13	24 18	1 58	24 11	0 29	10 45	3 30	14 11	0 58	7 14	2 27	21 55	0 6	19 58	1 19	26 19	16 24	19 48	19 36	19 39			n.a.
F 13	22 30	8 47	5 16	23 59	1 56	24 11	0 32	10 45	3 32	14 14	0 58	7 15	2 27	21 55	0 6	19 58	1 19	26 18	16 23	19 48	19 37	19 38			n.a.
S 14	22 21	13 2	5 3	23 39	1 54	24 11	0 34	10 45	3 34	14 16	0 59	7 16	2 27	21 55	0 6	19 58	1 19	26 17	16 23	19 48	19 38	19 38			n.a.
S 15	22 12	16 44	4 32	23 16	1 51	24 9	0 36	10 45	3 35	14 19	0 59	7 17	2 28	21 55	0 6	19 58	1 18	26 17	16 23	19 49	19 39	19 37			n.a.
M16	22 3	19 32	3 42	22 52	1 47	24 7	0 38	10 45	3 37	14 21	0 59	7 17	2 28	21 54	0 6	19 57	1 18	26 16	16 23	19 49	19 39	19 36			n.a.
T 17	21 53	21 6	2 37	22 25	1 43	24 4	0 40	10 46	3 39	14 24	0 59	7 18	2 28	21 54	0 6	19 57	1 18	26 15	16 23	19 49	19 40	19 36			n.a.
W18	21 43	21 11	1 19	21 57	1 38	24 0	0 43	10 47	3 40	14 26	0 59	7 18	2 28	21 54	0 6	19 57	1 18	26 15	16 22	19 50	19 41	19 35			n.a.
T 19	21 32	19 43	0s 4	21 26	1 32	23 55	0 45	10 48	3 42	14 29	0 59	7 19	2 28	21 53	0 6	19 57	1 18	26 14	16 22	19 50	19 42	19 34			n.a.
F 20	21 22	16 50	1 28	20 54	1 26	23 50	0 47	10 49	3 43	14 31	0 59	7 19	2 29	21 53	0 6	19 57	1 18	26 13	16 22	19 50	19 42	19 33			n.a.
S 21	21 10	12 53	2 44	20 20	1 19	23 44	0 49	10 51	3 45	14 33	0 59	7 20	2 29	21 53	0 6	19 57	1 18	26 13	16 22	19 49	19 43	19 33			n.a.
S 22	20 59	8 14	3 47	19 44	1 12	23 38	0 51	10 53	3 47	14 36	0 59	7 20	2 29	21 53	0 6	19 57	1 18	26 12	16 22	19 49	19 44	19 32			n.a.
M23	20 46	3 15	4 35	19 6	1 3	23 30	0 52	10 56	3 48	14 38	0 59	7 21	2 29	21 53	0 6	19 56	1 18	26 11	16 21	19 49	19 45	19 31			n.a.
T 24	20 34	1n45	5 5	18 27	0 54	23 22	0 54	10 58	3 50	14 40	0 59	7 21	2 30	21 52	0 6	19 56	1 18	26 11	16 21	19 49	19 45	19 30			n.a.
W25	20 21	6 30	5 18	17 47	0 45	23 13	0 56	11 1	3 51	14 42	0 59	7 21	2 30	21 52	0 6	19 56	1 18	26 10	16 21	19 49	19 46	19 30			n.a.
T 26	20 8	10 49	5 13	17 5	0 34	23 4	0 58	11 4	3 53	14 44	0 59	7 21	2 30	21 52	0 6	19 56	1 18	26 10	16 21	19 49	19 47	19 29			n.a.
F 27	19 54	14 33	4 54	16 23	0 23	22 53	1 0	11 8	3 54	14 46	1 0	7 22	2 30	21 52	0 6	19 56	1 18	26 9	16 21	19 49	19 48	19 28			n.a.
S 28	19 40	17 33	4 21	15 40	0 11	22 42	1 1	11 11	3 56	14 48	1 0	7 22	2 31	21 52	0 6	19 56	1 18	26 8	16 20	19 49	19 48	19 27			n.a.
S 29	19 26	19 44	3 37	14 57	0n 1	22 31	1 3	11 15	3 57	14 50	1 0	7 22	2 31	21 51	0 6	19 56	1 18	26 8	16 20	19 49	19 49	19 27			n.a.
M30	19 11	21 0	2 44	14 14	0 14	22 18	1 4	11 19	3 58	14 52	1 0	7 22	2 31	21 51	0 6	19 56	1 18	26 7	16 20	19 49	19 50	19 26			n.a.
T 31	18s56	21n19	1s44	13s31	0n28	22s 5	1s 6	11n24	4n 0	14s54	1n 0	7s22	2n31	21n51	0n 6	19n56	1s18	26s 6	16s20	19n49	19n50	19n25			n.a.

Julian Day Number = 1574592.5, Delta T = 04h15m25s
Ecliptic obliquity = 23°44'32, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'25, Lahiri = - 9°30'25 Julian Calendar 1 Jan. 402 BCE == Greg. Calendar 27 Dec. 403 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

FEBRUARY 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	8 21 47	7♒16'33	25♋25	24♒39	28♉18	10°R23	12♏48	24♎47	6°R57	3°R55	1♓49	2♌39	2♌29	5♌27	n.a.	W 1
T 2	8 25 43	8°16'33	7♌13	26° 1	29°33	10♍13	12°54	24°47	6♊56	3♊54	1°51	2°R39	2°26	5°34	n.a.	T 2
F 3	8 29 40	9°16'31	19° 1	27°16	0♒47	10° 2	13° 0	24°48	6°55	3°54	1°52	2°39	2°23	5°41	n.a.	F 3
S 4	8 33 36	10°16'26	0♍52	28°25	2° 2	9°51	13° 5	24°48	6°54	3°53	1°53	2°38	2°20	5°47	n.a.	S 4
S 5	8 37 33	11°16'20	12°48	29°28	3°17	9°38	13°11	24°48	6°54	3°53	1°55	2°37	2°17	5°54	n.a.	S 5
M 6	8 41 29	12°16'12	24°52	0♓23	4°31	9°25	13°16	24°48	6°53	3°52	1°56	2°36	2°13	6° 1	n.a.	M 6
T 7	8 45 26	13°16'02	7♎ 6	1°10	5°46	9°12	13°21	24°R48	6°52	3°52	1°58	2°34	2°10	6° 7	n.a.	T 7
W 8	8 49 22	14°15'50	19°32	1°49	7° 1	8°57	13°26	24°48	6°52	3°51	1°59	2°33	2° 7	6°14	n.a.	W 8
T 9	8 53 19	15°15'37	2♏16	2°20	8°15	8°42	13°31	24°48	6°51	3°51	2° 1	2°32	2° 4	6°20	n.a.	T 9
F 10	8 57 15	16°15'21	15°18	2°42	9°30	8°26	13°35	24°48	6°51	3°51	2° 2	2°D32	2° 1	6°27	n.a.	F 10
S 11	9 1 12	17°15'04	28°43	2°55	10°44	8°10	13°40	24°48	6°50	3°51	2° 3	2°32	1°57	6°34	n.a.	S 11
S 12	9 5 9	18°14'45	12♐32	3°R 0	11°59	7°52	13°44	24°47	6°50	3°50	2° 5	2°33	1°54	6°40	n.a.	S 12
M13	9 9 5	19°14'24	26°45	2°57	13°14	7°35	13°48	24°47	6°50	3°50	2° 6	2°34	1°51	6°47	n.a.	M13
T 14	9 13 2	20°14'01	11♑22	2°45	14°28	7°16	13°52	24°46	6°49	3°50	2° 8	2°35	1°48	6°54	n.a.	T 14
W15	9 16 58	21°13'37	26°17	2°26	15°43	6°57	13°56	24°45	6°49	3°50	2° 9	2°R36	1°45	7° 0	n.a.	W15
T 16	9 20 55	22°13'10	11♒24	1°59	16°57	6°38	13°59	24°45	6°49	3°50	2°11	2°36	1°42	7° 7	n.a.	T 16
F 17	9 24 51	23°12'41	26°35	1°26	18°12	6°18	14° 3	24°44	6°49	3°50	2°12	2°35	1°38	7°14	n.a.	F 17
S 18	9 28 48	24°12'10	11♓40	0°47	19°26	5°57	14° 6	24°43	6°D49	3°D50	2°14	2°32	1°35	7°20	n.a.	S 18
S 19	9 32 44	25°11'37	26°29	0° 3	20°41	5°36	14° 9	24°41	6°49	3°50	2°15	2°29	1°32	7°27	n.a.	S 19
M20	9 36 41	26°11'01	10♈56	29♒15	21°55	5°15	14°12	24°40	6°49	3°50	2°17	2°26	1°29	7°34	n.a.	M20
T 21	9 40 38	27°10'23	24°56	28°25	23°10	4°53	14°15	24°39	6°49	3°50	2°18	2°23	1°26	7°40	n.a.	T 21
W22	9 44 34	28° 9'43	8♉27	27°33	24°24	4°31	14°17	24°38	6°49	3°50	2°20	2°21	1°23	7°47	n.a.	W22
T 23	9 48 31	29° 9'00	21°32	26°40	25°39	4° 9	14°19	24°36	6°49	3°50	2°21	2°19	1°19	7°53	n.a.	T 23
F 24	9 52 27	0♓ 8'15	4♊13	25°48	26°53	3°46	14°21	24°34	6°50	3°50	2°23	2°D19	1°16	8° 0	n.a.	F 24
S 25	9 56 24	1° 7'27	16°33	24°57	28° 7	3°23	14°23	24°33	6°50	3°51	2°24	2°20	1°13	8° 7	n.a.	S 25
S 26	10 0 20	2° 6'37	28°39	24° 9	29°22	3° 0	14°25	24°31	6°50	3°51	2°26	2°22	1°10	8°13	n.a.	S 26
M27	10 4 17	3° 5'45	10♋33	23°24	0♓36	2°37	14°27	24°29	6°51	3°51	2°27	2°23	1° 7	8°20	n.a.	M27
T 28	10 8 13	4♓ 4'50	22♋22	22♒42	1♓51	2♍14	14♏28	24♎27	6♊51	3♊51	2♓28	2♌25	1♌ 3	8♌27	n.a.	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	18s41	20n40	0s40	12s49	0n41	21s52	1s 7	11n29	4n 1	14s55	1n 0	7s22	2n31	21n51	0n 6	19n56	1s18	26s 6	16s20	19n49	19n51	19n24		n.a.
T 2	18 26	19 7	0n25	12 8	0 56	21 38	1 9	11 33	4 2	14 57	1 0	7 22	2 32	21 51	0 6	19 56	1 18	26 5	16 20	19 49	19 52	19 23		n.a.
F 3	18 10	16 44	1 30	11 29	1 10	21 23	1 10	11 39	4 3	14 59	1 0	7 22	2 32	21 51	0 6	19 56	1 18	26 4	16 20	19 49	19 53	19 23		n.a.
S 4	17 53	13 39	2 31	10 51	1 25	21 7	1 12	11 44	4 4	15 0	1 0	7 22	2 32	21 50	0 6	19 56	1 18	26 4	16 19	19 49	19 53	19 22		n.a.
S 5	17 37	9 59	3 25	10 15	1 39	20 51	1 13	11 50	4 5	15 2	1 0	7 22	2 32	21 50	0 6	19 55	1 17	26 3	16 19	19 49	19 54	19 21		n.a.
M 6	17 20	5 54	4 11	9 42	1 54	20 34	1 14	11 56	4 6	15 4	1 1	7 22	2 33	21 50	0 6	19 55	1 17	26 2	16 19	19 50	19 55	19 20		n.a.
T 7	17 3	1 32	4 46	9 12	2 8	20 17	1 15	12 2	4 7	15 5	1 1	7 22	2 33	21 50	0 6	19 55	1 17	26 2	16 19	19 50	19 56	19 19		n.a.
W 8	16 45	2s59	5 9	8 45	2 22	19 59	1 16	12 8	4 8	15 6	1 1	7 21	2 33	21 50	0 6	19 55	1 17	26 1	16 19	19 50	19 56	19 19		n.a.
T 9	16 28	7 27	5 17	8 22	2 35	19 40	1 17	12 15	4 9	15 8	1 1	7 21	2 33	21 50	0 6	19 55	1 17	26 0	16 19	19 51	19 57	19 18		n.a.
F 10	16 10	11 42	5 9	8 2	2 48	19 21	1 18	12 22	4 10	15 9	1 1	7 21	2 33	21 50	0 6	19 55	1 17	26 0	16 19	19 51	19 58	19 17		n.a.
S 11	15 52	15 30	4 45	7 46	3 0	19 2	1 19	12 28	4 10	15 10	1 1	7 20	2 34	21 50	0 6	19 55	1 17	25 59	16 19	19 51	19 58	19 16		n.a.
S 12	15 33	18 34	4 3	7 34	3 10	18 42	1 20	12 36	4 11	15 11	1 1	7 20	2 34	21 50	0 6	19 55	1 17	25 59	16 19	19 50	19 59	19 15		n.a.
M13	15 14	20 36	3 6	7 27	3 20	18 21	1 21	12 43	4 11	15 13	1 1	7 20	2 34	21 50	0 6	19 55	1 17	25 58	16 19	19 50	20 0	19 14		n.a.
T 14	14 55	21 20	1 55	7 23	3 28	18 0	1 21	12 50	4 12	15 14	1 1	7 19	2 34	21 50	0 6	19 55	1 17	25 57	16 18	19 50	20 1	19 14		n.a.
W15	14 36	20 35	0 35	7 24	3 35	17 38	1 22	12 58	4 12	15 15	1 1	7 19	2 35	21 50	0 6	19 55	1 17	25 57	16 18	19 50	20 1	19 13		n.a.
T 16	14 17	18 21	0s49	7 29	3 40	17 16	1 23	13 5	4 12	15 16	1 1	7 18	2 35	21 50	0 6	19 56	1 17	25 56	16 18	19 50	20 2	19 12		n.a.
F 17	13 57	14 49	2 9	7 38	3 43	16 53	1 23	13 13	4 12	15 17	1 2	7 18	2 35	21 50	0 6	19 56	1 17	25 56	16 18	19 50	20 3	19 11		n.a.
S 18	13 37	10 21	3 19	7 50	3 45	16 30	1 24	13 21	4 12	15 17	1 2	7 17	2 35	21 50	0 6	19 56	1 17	25 55	16 18	19 51	20 4	19 10		n.a.
S 19	13 17	5 19	4 15	8 6	3 45	16 7	1 24	13 29	4 12	15 18	1 2	7 17	2 35	21 50	0 6	19 56	1 17	25 54	16 18	19 51	20 4	19 9		n.a.
M20	12 57	0 7	4 53	8 25	3 42	15 43	1 25	13 36	4 12	15 19	1 2	7 16	2 36	21 50	0 6	19 56	1 17	25 54	16 18	19 52	20 5	19 8		n.a.
T 21	12 36	4n56	5 12	8 46	3 38	15 18	1 25	13 44	4 12	15 20	1 2	7 15	2 36	21 50	0 6	19 56	1 17	25 53	16 18	19 53	20 6	19 8		n.a.
W22	12 16	9 34	5 13	9 9	3 32	14 53	1 25	13 52	4 12	15 20	1 2	7 15	2 36	21 50	0 6	19 56	1 17	25 53	16 18	19 53	20 6	19 7		n.a.
T 23	11 55	13 35	4 58	9 35	3 25	14 28	1 25	14 0	4 11	15 21	1 2	7 14	2 36	21 50	0 6	19 56	1 17	25 52	16 18	19 54	20 7	19 6		n.a.
F 24	11 34	16 52	4 28	10 1	3 16	14 2	1 25	14 8	4 11	15 22	1 2	7 13	2 36	21 50	0 6	19 56	1 16	25 51	16 18	19 54	20 8	19 5		n.a.
S 25	11 13	19 18	3 46	10 28	3 5	13 36	1 25	14 16	4 10	15 22	1 2	7 12	2 37	21 50	0 6	19 56	1 16	25 51	16 18	19 53	20 8	19 4		n.a.
S 26	10 51	20 49	2 55	10 55	2 53	13 10	1 25	14 23	4 9	15 22	1 2	7 11	2 37	21 50	0 6	19 56	1 16	25 50	16 18	19 53	20 9	19 3		n.a.
M27	10 30	21 22	1 57	11 22	2 40	12 43	1 25	14 31	4 8	15 23	1 3	7 10	2 37	21 50	0 6	19 56	1 16	25 50	16 18	19 53	20 10	19 2		n.a.
T 28	10s 8	20n57	0s55	11s49	2n26	12s16	1s25	14n39	4n 7	15s23	1n 3	7s10	2n37	21n50	0n 6	19n56	1s16	25s49	16s18	19n52	20n11	19n 1		n.a.

Julian Day Number = 1574623.5, Delta T = 04h15m24s
Ecliptic obliquity = 23°44'33, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'21, Lahiri = - 9°30'21 Julian Calendar 1 Feb. 402 BCE == Greg. Calendar 27 Jan. 402 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

MARCH 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	10 12 10	5♓ 3'53	4♌ 9	22°R 6	3♓ 5	1°R51	14♏29	24°R25	6♊52	3♊52	2♓30	2°R25	1♌ 0	8♌33	n.a.	W 1
T 2	10 16 7	6° 2'53	15°56	21♒34	4°19	1♍28	14°30	24♎23	6°52	3°52	2°31	2♌24	0°57	8°40	n.a.	T 2
F 3	10 20 3	7° 1'51	27°48	21° 7	5°33	1° 5	14°31	24°21	6°53	3°53	2°33	2°22	0°54	8°47	n.a.	F 3
S 4	10 24 0	8° 0'47	9♍46	20°46	6°48	0°42	14°32	24°18	6°54	3°53	2°34	2°17	0°51	8°53	n.a.	S 4
S 5	10 27 56	8°59'41	21°53	20°31	8° 2	0°19	14°32	24°16	6°55	3°53	2°36	2°12	0°48	9° 0	n.a.	S 5
M 6	10 31 53	9°58'33	4♎ 9	20°20	9°16	29♌57	14°32	24°14	6°55	3°54	2°37	2° 5	0°44	9° 7	n.a.	M 6
T 7	10 35 49	10°57'23	16°35	20°D16	10°31	29°35	14°R33	24°11	6°56	3°54	2°39	1°58	0°41	9°13	n.a.	T 7
W 8	10 39 46	11°56'11	29°14	20°17	11°45	29°13	14°32	24° 8	6°57	3°55	2°40	1°52	0°38	9°20	n.a.	W 8
T 9	10 43 42	12°54'57	12♏ 6	20°23	12°59	28°51	14°32	24° 6	6°58	3°56	2°42	1°46	0°35	9°27	n.a.	T 9
F 10	10 47 39	13°53'41	25°13	20°34	14°13	28°30	14°32	24° 3	6°59	3°56	2°43	1°43	0°32	9°33	n.a.	F 10
S 11	10 51 35	14°52'24	8♐36	20°51	15°27	28° 9	14°31	24° 0	7° 0	3°57	2°45	1°41	0°28	9°40	n.a.	S 11
S 12	10 55 32	15°51'04	22°17	21°12	16°42	27°48	14°30	23°57	7° 1	3°58	2°46	1°D41	0°25	9°46	n.a.	S 12
M13	10 59 29	16°49'43	6♑17	21°38	17°56	27°28	14°29	23°54	7° 2	3°58	2°48	1°42	0°22	9°53	n.a.	M13
T 14	11 3 25	17°48'20	20°36	22° 8	19°10	27° 9	14°28	23°51	7° 4	3°59	2°49	1°43	0°19	10° 0	n.a.	T 14
W15	11 7 22	18°46'56	5♒11	22°42	20°24	26°50	14°26	23°48	7° 5	4° 0	2°51	1°R44	0°16	10° 6	n.a.	W15
T 16	11 11 18	19°45'30	20° 0	23°20	21°38	26°31	14°25	23°45	7° 6	4° 1	2°52	1°42	0°13	10°13	n.a.	T 16
F 17	11 15 15	20°44'01	4♓56	24° 2	22°52	26°14	14°23	23°41	7° 8	4° 2	2°53	1°39	0° 9	10°20	n.a.	F 17
S 18	11 19 11	21°42'31	19°50	24°48	24° 7	25°56	14°21	23°38	7° 9	4° 3	2°55	1°33	0° 6	10°26	n.a.	S 18
S 19	11 23 8	22°40'59	4♈35	25°37	25°21	25°40	14°19	23°35	7°10	4° 4	2°56	1°26	0° 3	10°33	n.a.	S 19
M20	11 27 4	23°39'24	19° 2	26°29	26°35	25°24	14°16	23°31	7°12	4° 5	2°58	1°17	29♋59	10°40	n.a.	M20
T 21	11 31 1	24°37'48	3♉ 6	27°25	27°49	25° 9	14°14	23°28	7°14	4° 6	2°59	1° 9	29°57	10°46	n.a.	T 21
W22	11 34 57	25°36'09	16°42	28°23	29° 3	24°55	14°11	23°24	7°15	4° 7	3° 0	1° 2	29°54	10°53	n.a.	W22
T 23	11 38 54	26°34'29	29°52	29°24	0♈17	24°41	14° 8	23°20	7°17	4° 8	3° 2	0°57	29°50	11° 0	n.a.	T 23
F 24	11 42 51	27°32'46	12♊36	0♓29	1°31	24°28	14° 5	23°17	7°19	4° 9	3° 3	0°53	29°47	11° 6	n.a.	F 24
S 25	11 46 47	28°31'01	24°59	1°35	2°45	24°16	14° 2	23°13	7°20	4°10	3° 5	0°D52	29°44	11°13	n.a.	S 25
S 26	11 50 44	29°29'14	7♋ 5	2°45	3°59	24° 5	13°59	23° 9	7°22	4°11	3° 6	0°52	29°41	11°20	n.a.	S 26
M27	11 54 40	0♈27'25	19° 0	3°56	5°13	23°54	13°55	23° 5	7°24	4°12	3° 7	0°53	29°38	11°26	n.a.	M27
T 28	11 58 37	1°25'34	0♌48	5°10	6°27	23°44	13°51	23° 1	7°26	4°13	3° 9	0°R54	29°34	11°33	n.a.	T 28
W29	12 2 33	2°23'40	12°35	6°27	7°41	23°35	13°47	22°57	7°28	4°15	3°10	0°53	29°31	11°39	n.a.	W29
T 30	12 6 30	3°21'45	24°25	7°46	8°55	23°27	13°43	22°53	7°30	4°16	3°11	0°50	29°28	11°46	n.a.	T 30
F 31	12 10 26	4♈19'47	6♍22	9♓ 7	10♈ 9	23♌20	13♏39	22♎49	7♊32	4♊17	3♓13	0♌45	29♋25	11♌53	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	9s46	19n37	0n 9	12s14	2n12	11s49	1s25	14n46	4n 6	15s23	1n 3	7s 9	2n37	21n50	0n 6	19n57	1s16	25s49	16s18	19n52	20n11	19n 0		n.a.	W 1
T 2	9 24	17 26	1 13	12 39	1 57	11 21	1 25	14 53	4 5	15 24	1 3	7 8	2 38	21 50	0 6	19 57	1 16	25 48	16 18	19 52	20 12	18 59		n.a.	T 2
F 3	9 2	14 29	2 14	13 2	1 42	10 54	1 24	15 1	4 4	15 24	1 3	7 7	2 38	21 50	0 6	19 57	1 16	25 48	16 18	19 53	20 13	18 59		n.a.	F 3
S 4	8 40	10 55	3 10	13 23	1 27	10 25	1 24	15 8	4 2	15 24	1 3	7 6	2 38	21 50	0 6	19 57	1 16	25 47	16 18	19 54	20 13	18 58		n.a.	S 4
S 5	8 18	6 53	3 57	13 43	1 11	9 57	1 23	15 14	4 1	15 24	1 3	7 5	2 38	21 51	0 6	19 57	1 16	25 46	16 18	19 55	20 14	18 57		n.a.	S 5
M 6	7 55	2 31	4 34	14 0	0 56	9 28	1 23	15 21	3 59	15 24	1 3	7 4	2 38	21 51	0 6	19 57	1 16	25 46	16 18	19 57	20 15	18 56		n.a.	M 6
T 7	7 33	2s 0	4 59	14 16	0 41	8 59	1 22	15 28	3 57	15 24	1 3	7 2	2 39	21 51	0 6	19 57	1 16	25 45	16 18	19 58	20 15	18 55		n.a.	T 7
W 8	7 10	6 31	5 10	14 30	0 26	8 30	1 22	15 34	3 56	15 24	1 3	7 1	2 39	21 51	0 6	19 58	1 16	25 45	16 18	20 0	20 16	18 54		n.a.	W 8
T 9	6 48	10 49	5 5	14 42	0 12	8 0	1 21	15 40	3 54	15 24	1 3	7 0	2 39	21 51	0 6	19 58	1 16	25 44	16 18	20 1	20 17	18 53		n.a.	T 9
F 10	6 25	14 42	4 45	14 51	0s 2	7 31	1 20	15 46	3 52	15 23	1 4	6 59	2 39	21 51	0 6	19 58	1 16	25 44	16 19	20 2	20 18	18 52		n.a.	F 10
S 11	6 2	17 56	4 8	14 59	0 16	7 1	1 19	15 51	3 50	15 23	1 4	6 58	2 39	21 52	0 6	19 58	1 16	25 43	16 19	20 2	20 18	18 51		n.a.	S 11
S 12	5 39	20 14	3 17	15 4	0 29	6 31	1 18	15 56	3 48	15 23	1 4	6 57	2 39	21 52	0 6	19 58	1 16	25 43	16 19	20 2	20 19	18 50		n.a.	S 12
M13	5 16	21 22	2 13	15 7	0 41	6 1	1 17	16 1	3 46	15 22	1 4	6 55	2 39	21 52	0 6	19 58	1 16	25 42	16 19	20 2	20 20	18 49		n.a.	M13
T 14	4 53	21 9	1 0	15 9	0 53	5 30	1 16	16 6	3 43	15 22	1 4	6 54	2 40	21 52	0 6	19 59	1 16	25 42	16 19	20 2	20 20	18 48		n.a.	T 14
W15	4 30	19 31	0s19	15 8	1 4	5 0	1 15	16 11	3 41	15 21	1 4	6 53	2 40	21 52	0 6	19 59	1 15	25 42	16 19	20 2	20 21	18 47		n.a.	W15
T 16	4 6	16 32	1 37	15 5	1 15	4 29	1 14	16 15	3 39	15 21	1 4	6 51	2 40	21 53	0 6	19 59	1 15	25 41	16 19	20 2	20 22	18 46		n.a.	T 16
F 17	3 43	12 27	2 49	15 0	1 25	3 59	1 13	16 19	3 36	15 20	1 4	6 50	2 40	21 53	0 6	19 59	1 15	25 41	16 19	20 3	20 22	18 45		n.a.	F 17
S 18	3 20	7 35	3 50	14 54	1 34	3 28	1 12	16 22	3 34	15 20	1 4	6 49	2 40	21 53	0 6	19 59	1 15	25 40	16 19	20 4	20 23	18 44		n.a.	S 18
S 19	2 56	2 21	4 34	14 45	1 43	2 57	1 10	16 26	3 31	15 19	1 4	6 47	2 40	21 53	0 6	20 0	1 15	25 40	16 19	20 6	20 24	18 43		n.a.	S 19
M20	2 33	2n56	5 0	14 35	1 51	2 26	1 9	16 29	3 28	15 18	1 4	6 46	2 40	21 54	0 6	20 0	1 15	25 39	16 20	20 8	20 24	18 42		n.a.	M20
T 21	2 10	7 54	5 7	14 22	1 58	1 55	1 8	16 31	3 26	15 17	1 4	6 44	2 41	21 54	0 6	20 0	1 15	25 39	16 20	20 9	20 25	18 41		n.a.	T 21
W22	1 46	12 19	4 56	14 8	2 5	1 24	1 6	16 34	3 23	15 16	1 4	6 43	2 41	21 54	0 6	20 0	1 15	25 39	16 20	20 11	20 26	18 40		n.a.	W22
T 23	1 23	16 0	4 29	13 52	2 11	0 53	1 5	16 36	3 20	15 15	1 5	6 42	2 41	21 54	0 6	20 1	1 15	25 38	16 20	20 12	20 27	18 39		n.a.	T 23
F 24	0 59	18 48	3 50	13 35	2 17	0 21	1 3	16 38	3 18	15 15	1 5	6 40	2 41	21 55	0 6	20 1	1 15	25 38	16 20	20 13	20 27	18 38		n.a.	F 24
S 25	0 36	20 38	3 0	13 15	2 22	0n10	1 2	16 39	3 15	15 13	1 5	6 39	2 41	21 55	0 6	20 1	1 15	25 37	16 20	20 13	20 28	18 37		n.a.	S 25
S 26	0 12	21 29	2 4	12 54	2 26	0 41	1 0	16 41	3 12	15 12	1 5	6 37	2 41	21 55	0 6	20 1	1 15	25 37	16 20	20 13	20 29	18 36		n.a.	S 26
M27	0n11	21 20	1 3	12 31	2 30	1 12	0 58	16 42	3 9	15 11	1 5	6 36	2 41	21 56	0 6	20 2	1 15	25 37	16 21	20 13	20 29	18 35		n.a.	M27
T 28	0 34	20 14	0 1	12 6	2 33	1 44	0 57	16 42	3 6	15 10	1 5	6 34	2 41	21 56	0 6	20 2	1 15	25 36	16 21	20 13	20 30	18 34		n.a.	T 28
W29	0 58	18 14	1n 2	11 40	2 36	2 15	0 55	16 43	3 4	15 9	1 5	6 32	2 41	21 56	0 6	20 2	1 15	25 36	16 21	20 13	20 31	18 33		n.a.	W29
T 30	1 21	15 28	2 2	11 12	2 38	2 46	0 53	16 43	3 1	15 8	1 5	6 31	2 41	21 57	0 6	20 3	1 15	25 36	16 21	20 14	20 31	18 32		n.a.	T 30
F 31	1n45	12n 2	2n58	10s43	2s39	3n17	0s51	16n42	2n58	15s 6	1n 5	6s29	2n41	21n57	0n 6	20n 3	1s15	25s35	16s21	20n15	20n32	18n31		n.a.	F 31

Julian Day Number = 1574651.5, Delta T = 04h15m23s
Ecliptic obliquity = 23°44'34, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'17, Lahiri = - 9°30'17 Julian Calendar 1 March 402 BCE == Greg. Calendar 24 Feb. 402 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

APRIL 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	12 14 23	5♈17'48	18♍29	10♓30	11♈22	23°R13	13°R35	22°R45	7♊34	4♊18	3♓14	0°R37	29♋22	11♌59	n.a.	S 1
S 2	12 18 20	6°15'47	0♎48	11°55	12°36	23♌ 8	13♏30	22♎41	7°36	4°20	3°15	0♌27	29°19	12° 6	n.a.	S 2
M 3	12 22 16	7°13'44	13°20	13°22	13°50	23° 3	13°25	22°37	7°38	4°21	3°16	0°16	29°15	12°13	n.a.	M 3
T 4	12 26 13	8°11'39	26° 5	14°51	15° 4	22°59	13°20	22°33	7°40	4°22	3°18	0° 4	29°12	12°19	n.a.	T 4
W 5	12 30 9	9° 9'33	9♏ 2	16°23	16°18	22°55	13°15	22°28	7°42	4°24	3°19	29♋53	29° 9	12°26	n.a.	W 5
T 6	12 34 6	10° 7'26	22°12	17°56	17°32	22°53	13°10	22°24	7°45	4°25	3°20	29°44	29° 6	12°33	n.a.	T 6
F 7	12 38 2	11° 5'17	5♐33	19°32	18°45	22°51	13° 5	22°20	7°47	4°27	3°21	29°37	29° 3	12°39	n.a.	F 7
S 8	12 41 59	12° 3'06	19° 5	21° 9	19°59	22°50	13° 0	22°15	7°49	4°28	3°23	29°33	28°59	12°46	n.a.	S 8
S 9	12 45 55	13° 0'55	2♑49	22°48	21°13	22°D50	12°54	22°11	7°52	4°30	3°24	29°31	28°56	12°53	n.a.	S 9
M10	12 49 52	13°58'42	16°44	24°30	22°27	22°50	12°48	22° 7	7°54	4°31	3°25	29°D31	28°53	12°59	n.a.	M10
T 11	12 53 49	14°56'28	0♒52	26°13	23°40	22°51	12°42	22° 2	7°57	4°33	3°26	29°R31	28°50	13° 6	n.a.	T 11
W12	12 57 45	15°54'12	15°10	27°59	24°54	22°53	12°36	21°58	7°59	4°34	3°27	29°30	28°47	13°13	n.a.	W12
T 13	13 1 42	16°51'56	29°36	29°46	26° 8	22°56	12°30	21°54	8° 2	4°36	3°29	29°27	28°44	13°19	n.a.	T 13
F 14	13 5 38	17°49'38	14♓ 8	1♈35	27°22	23° 0	12°24	21°49	8° 4	4°38	3°30	29°22	28°40	13°26	n.a.	F 14
S 15	13 9 35	18°47'18	28°40	3°27	28°35	23° 4	12°18	21°45	8° 7	4°39	3°31	29°14	28°37	13°33	n.a.	S 15
S 16	13 13 31	19°44'58	13♈ 6	5°20	29°49	23° 9	12°11	21°40	8° 9	4°41	3°32	29° 4	28°34	13°39	n.a.	S 16
M17	13 17 28	20°42'36	27°19	7°15	1♉ 3	23°15	12° 5	21°36	8°12	4°43	3°33	28°52	28°31	13°46	n.a.	M17
T 18	13 21 24	21°40'13	11♉13	9°13	2°16	23°21	11°58	21°32	8°15	4°44	3°34	28°41	28°28	13°52	n.a.	T 18
W19	13 25 21	22°37'48	24°45	11°12	3°30	23°28	11°51	21°27	8°18	4°46	3°35	28°30	28°25	13°59	n.a.	W19
T 20	13 29 17	23°35'22	7♊52	13°13	4°43	23°36	11°45	21°23	8°20	4°48	3°36	28°22	28°21	14° 6	n.a.	T 20
F 21	13 33 14	24°32'55	20°36	15°16	5°57	23°44	11°38	21°18	8°23	4°50	3°37	28°16	28°18	14°12	n.a.	F 21
S 22	13 37 11	25°30'26	3♋ 0	17°20	7°11	23°53	11°31	21°14	8°26	4°52	3°38	28°13	28°15	14°19	n.a.	S 22
S 23	13 41 7	26°27'55	15° 7	19°26	8°24	24° 3	11°24	21° 9	8°29	4°53	3°39	28°11	28°12	14°26	n.a.	S 23
M24	13 45 4	27°25'23	27° 3	21°33	9°38	24°13	11°16	21° 5	8°32	4°55	3°40	28°11	28° 9	14°32	n.a.	M24
T 25	13 49 0	28°22'50	8♌52	23°42	10°51	24°24	11° 9	21° 1	8°35	4°57	3°41	28°11	28° 5	14°39	n.a.	T 25
W26	13 52 57	29°20'15	20°41	25°52	12° 5	24°36	11° 2	20°56	8°38	4°59	3°42	28°10	28° 2	14°46	n.a.	W26
T 27	13 56 53	0♉17'39	2♍34	28° 2	13°18	24°48	10°55	20°52	8°41	5° 1	3°43	28° 7	27°59	14°52	n.a.	T 27
F 28	14 0 50	1°15'01	14°36	0♉14	14°32	25° 1	10°47	20°48	8°44	5° 3	3°44	28° 1	27°56	14°59	n.a.	F 28
S 29	14 4 46	2°12'23	26°51	2°25	15°45	25°14	10°40	20°43	8°47	5° 5	3°45	27°53	27°53	15° 6	n.a.	S 29
S 30	14 8 43	3♉ 9'43	9♎21	4♉37	16♉59	25♌28	10♏32	20♎39	8♊50	5♊ 7	3♓46	27♋43	27♋50	15♌12	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2n 8	8n 3	3n45	10s12	2s40	3n48	0s49	16n42	2n55	15s 5	1n 5	6s28	2n42	21n57	0n 6	20n 3	1s15	25s35	16s22	20n16	20n33	18n30		n.a.
S 2	2 31	3 42	4 24	9 39	2 41	4 19	0 47	16 41	2 52	15 4	1 5	6 26	2 42	21 58	0 7	20 3	1 15	25 35	16 22	20 19	20 33	18 29		n.a.
M 3	2 54	0s53	4 50	9 5	2 40	4 50	0 45	16 40	2 49	15 2	1 5	6 24	2 42	21 58	0 7	20 4	1 15	25 34	16 22	20 21	20 34	18 28		n.a.
T 4	3 17	5 31	5 2	8 29	2 39	5 21	0 43	16 39	2 46	15 1	1 5	6 23	2 42	21 58	0 7	20 4	1 15	25 34	16 22	20 23	20 35	18 26		n.a.
W 5	3 40	9 58	4 59	7 51	2 38	5 51	0 41	16 37	2 44	14 59	1 5	6 21	2 42	21 59	0 7	20 4	1 14	25 34	16 22	20 26	20 35	18 25		n.a.
T 6	4 4	14 2	4 40	7 13	2 36	6 22	0 39	16 35	2 41	14 57	1 5	6 20	2 42	21 59	0 7	20 5	1 14	25 33	16 23	20 28	20 36	18 24		n.a.
F 7	4 26	17 28	4 6	6 32	2 33	6 52	0 37	16 33	2 38	14 56	1 5	6 18	2 42	22 0	0 7	20 5	1 14	25 33	16 23	20 29	20 37	18 23		n.a.
S 8	4 49	20 1	3 17	5 50	2 30	7 22	0 35	16 31	2 35	14 54	1 5	6 16	2 42	22 0	0 7	20 5	1 14	25 33	16 23	20 30	20 37	18 22		n.a.
S 9	5 12	21 26	2 17	5 7	2 26	7 52	0 33	16 28	2 32	14 52	1 5	6 15	2 42	22 0	0 7	20 6	1 14	25 33	16 23	20 31	20 38	18 21		n.a.
M10	5 35	21 34	1 7	4 22	2 22	8 22	0 31	16 26	2 29	14 51	1 5	6 13	2 42	22 1	0 7	20 6	1 14	25 32	16 23	20 31	20 39	18 20		n.a.
T 11	5 58	20 20	0s 7	3 36	2 17	8 52	0 28	16 22	2 27	14 49	1 5	6 11	2 42	22 1	0 7	20 6	1 14	25 32	16 24	20 31	20 39	18 19		n.a.
W12	6 20	17 48	1 22	2 49	2 11	9 21	0 26	16 19	2 24	14 47	1 5	6 10	2 42	22 2	0 7	20 7	1 14	25 32	16 24	20 31	20 40	18 18		n.a.
T 13	6 42	14 8	2 32	2 0	2 5	9 51	0 24	16 16	2 21	14 45	1 5	6 8	2 42	22 2	0 7	20 7	1 14	25 32	16 24	20 31	20 41	18 17		n.a.
F 14	7 5	9 35	3 33	1 10	1 59	10 20	0 21	16 12	2 18	14 43	1 5	6 6	2 42	22 2	0 7	20 7	1 14	25 32	16 24	20 32	20 41	18 16		n.a.
S 15	7 27	4 30	4 20	0 19	1 52	10 49	0 19	16 8	2 15	14 41	1 5	6 5	2 42	22 3	0 7	20 8	1 14	25 31	16 25	20 34	20 42	18 14		n.a.
S 16	7 49	0n48	4 50	0n33	1 44	11 17	0 17	16 4	2 13	14 39	1 5	6 3	2 42	22 3	0 7	20 8	1 14	25 31	16 25	20 36	20 43	18 13		n.a.
M17	8 11	5 58	5 1	1 26	1 37	11 46	0 14	15 59	2 10	14 37	1 5	6 1	2 42	22 4	0 7	20 8	1 14	25 31	16 25	20 39	20 43	18 12		n.a.
T 18	8 33	10 44	4 54	2 21	1 28	12 14	0 12	15 55	2 7	14 35	1 5	6 0	2 42	22 4	0 7	20 9	1 14	25 31	16 26	20 41	20 44	18 11		n.a.
W19	8 55	14 49	4 30	3 16	1 19	12 41	0 10	15 50	2 5	14 33	1 5	5 58	2 42	22 5	0 7	20 9	1 14	25 31	16 26	20 43	20 44	18 10		n.a.
T 20	9 16	18 4	3 53	4 12	1 10	13 9	0 7	15 45	2 2	14 31	1 5	5 57	2 42	22 5	0 7	20 9	1 14	25 31	16 26	20 45	20 45	18 9		n.a.
F 21	9 38	20 20	3 5	5 9	1 1	13 36	0 5	15 39	2 0	14 29	1 5	5 55	2 42	22 5	0 7	20 10	1 14	25 30	16 26	20 46	20 46	18 8		n.a.
S 22	9 59	21 33	2 9	6 7	0 51	14 3	0 2	15 34	1 57	14 27	1 5	5 53	2 42	22 6	0 7	20 10	1 14	25 30	16 27	20 47	20 46	18 6		n.a.
S 23	10 20	21 44	1 9	7 4	0 41	14 29	0n 0	15 28	1 54	14 25	1 5	5 52	2 42	22 6	0 7	20 10	1 14	25 30	16 27	20 47	20 47	18 5		n.a.
M24	10 41	20 55	0 6	8 2	0 30	14 55	0 3	15 22	1 52	14 23	1 5	5 50	2 42	22 7	0 7	20 11	1 14	25 30	16 27	20 47	20 48	18 4		n.a.
T 25	11 2	19 10	0n56	9 0	0 20	15 21	0 5	15 16	1 49	14 20	1 5	5 48	2 42	22 7	0 7	20 11	1 14	25 30	16 28	20 47	20 48	18 3		n.a.
W26	11 23	16 37	1 56	9 58	0 9	15 46	0 8	15 10	1 47	14 18	1 5	5 47	2 41	22 8	0 7	20 12	1 14	25 30	16 28	20 47	20 49	18 2		n.a.
T 27	11 43	13 21	2 51	10 56	0n 1	16 11	0 10	15 3	1 44	14 16	1 5	5 45	2 41	22 8	0 7	20 12	1 14	25 30	16 28	20 48	20 50	18 1		n.a.
F 28	12 3	9 30	3 39	11 53	0 12	16 36	0 12	14 57	1 42	14 14	1 4	5 44	2 41	22 9	0 7	20 12	1 14	25 30	16 28	20 49	20 50	17 59		n.a.
S 29	12 23	5 12	4 18	12 49	0 22	17 0	0 15	14 50	1 40	14 11	1 4	5 42	2 41	22 9	0 7	20 13	1 14	25 30	16 29	20 51	20 51	17 58		n.a.
S 30	12n43	0n37	4n46	13n44	0n33	17n24	0n17	14n43	1n37	14s 9	1n 4	5s41	2n41	22n10	0n 7	20n13	1s14	25s30	16s29	20n53	20n52	17n57		n.a.

Julian Day Number = 1574682.5, Delta T = 04h15m21s
Ecliptic obliquity = 23°44'34, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'13, Lahiri = - 9°30'13 Julian Calendar 1 Apr. 402 BCE == Greg. Calendar 27 March 402 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

MAY 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	14 12 40	4♉ 7'02	22♎ 9	6♉48	18♉12	25♌43	10°R25	20°R35	8♊53	5♊ 9	3♓46	27°R31	27♋46	15♌19	n.a.	M 1
T 2	14 16 36	5° 4'20	5♏12	9° 0	19°26	25°58	10♏17	20♎31	8°56	5°11	3°47	27♋18	27°43	15°26	n.a.	T 2
W 3	14 20 33	6° 1'37	18°32	11°10	20°39	26°13	10°10	20°26	8°59	5°12	3°48	27° 6	27°40	15°32	n.a.	W 3
T 4	14 24 29	6°58'53	2♐ 4	13°19	21°53	26°29	10° 2	20°22	9° 2	5°14	3°49	26°56	27°37	15°39	n.a.	T 4
F 5	14 28 26	7°56'09	15°47	15°28	23° 6	26°46	9°54	20°18	9° 6	5°17	3°50	26°49	27°34	15°46	n.a.	F 5
S 6	14 32 22	8°53'24	29°39	17°34	24°19	27° 3	9°47	20°14	9° 9	5°19	3°50	26°44	27°31	15°52	n.a.	S 6
S 7	14 36 19	9°50'38	13♑37	19°40	25°33	27°20	9°39	20°10	9°12	5°21	3°51	26°42	27°27	15°59	n.a.	S 7
M 8	14 40 16	10°47'52	27°39	21°43	26°46	27°38	9°31	20° 6	9°15	5°23	3°52	26°D41	27°24	16° 5	n.a.	M 8
T 9	14 44 12	11°45'06	11♒46	23°45	27°59	27°57	9°24	20° 2	9°19	5°25	3°53	26°R42	27°21	16°12	n.a.	T 9
W10	14 48 9	12°42'19	25°55	25°44	29°13	28°16	9°16	19°58	9°22	5°27	3°53	26°41	27°18	16°19	n.a.	W10
T 11	14 52 5	13°39'31	10♓ 5	27°41	0♊26	28°35	9° 9	19°54	9°25	5°29	3°54	26°39	27°15	16°25	n.a.	T 11
F 12	14 56 2	14°36'43	24°16	29°37	1°39	28°55	9° 1	19°50	9°29	5°31	3°54	26°34	27°11	16°32	n.a.	F 12
S 13	14 59 58	15°33'55	8♈22	1♊30	2°53	29°16	8°53	19°47	9°32	5°33	3°55	26°27	27° 8	16°39	n.a.	S 13
S 14	15 3 55	16°31'07	22°22	3°20	4° 6	29°36	8°46	19°43	9°35	5°35	3°56	26°17	27° 5	16°45	n.a.	S 14
M15	15 7 51	17°28'18	6♉11	5° 8	5°19	29°57	8°38	19°39	9°39	5°37	3°56	26° 7	27° 2	16°52	n.a.	M15
T 16	15 11 48	18°25'29	19°45	6°54	6°32	0♍19	8°31	19°36	9°42	5°40	3°57	25°56	26°59	16°59	n.a.	T 16
W17	15 15 45	19°22'39	3♊ 1	8°38	7°46	0°41	8°23	19°32	9°46	5°42	3°57	25°46	26°56	17° 5	n.a.	W17
T 18	15 19 41	20°19'49	15°58	10°19	8°59	1° 4	8°16	19°28	9°49	5°44	3°58	25°38	26°52	17°12	n.a.	T 18
F 19	15 23 38	21°16'58	28°36	11°57	10°12	1°26	8° 9	19°25	9°52	5°46	3°58	25°32	26°49	17°19	n.a.	F 19
S 20	15 27 34	22°14'07	10♋56	13°34	11°25	1°50	8° 1	19°22	9°56	5°48	3°59	25°29	26°46	17°25	n.a.	S 20
S 21	15 31 31	23°11'15	23° 1	15° 7	12°38	2°13	7°54	19°18	9°59	5°50	3°59	25°D28	26°43	17°32	n.a.	S 21
M22	15 35 27	24° 8'22	4♌57	16°39	13°52	2°37	7°47	19°15	10° 3	5°53	4° 0	25°28	26°40	17°39	n.a.	M22
T 23	15 39 24	25° 5'29	16°46	18° 8	15° 5	3° 1	7°40	19°12	10° 6	5°55	4° 0	25°29	26°36	17°45	n.a.	T 23
W24	15 43 20	26° 2'36	28°36	19°34	16°18	3°26	7°33	19° 9	10°10	5°57	4° 0	25°R29	26°33	17°52	n.a.	W24
T 25	15 47 17	26°59'42	10♍31	20°58	17°31	3°51	7°26	19° 6	10°14	5°59	4° 1	25°28	26°30	17°59	n.a.	T 25
F 26	15 51 14	27°56'47	22°35	22°19	18°44	4°17	7°20	19° 3	10°17	6° 1	4° 1	25°25	26°27	18° 5	n.a.	F 26
S 27	15 55 10	28°53'53	4♎54	23°37	19°57	4°42	7°13	19° 0	10°21	6° 4	4° 1	25°20	26°24	18°12	n.a.	S 27
S 28	15 59 7	29°50'57	17°32	24°53	21°10	5° 8	7° 6	18°57	10°24	6° 6	4° 2	25°13	26°21	18°19	n.a.	S 28
M29	16 3 3	0♊48'02	0♏30	26° 6	22°23	5°35	7° 0	18°54	10°28	6° 8	4° 2	25° 5	26°17	18°25	n.a.	M29
T 30	16 7 0	1°45'06	13°48	27°17	23°36	6° 1	6°54	18°52	10°31	6°10	4° 2	24°56	26°14	18°32	n.a.	T 30
W31	16 10 56	2♊42'11	27♏26	28♊24	24♊49	6♍28	6♏47	18♎49	10♊35	6♊12	4♓ 2	24♋48	26♋11	18♌39	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	13n 3	4s 6	4n59	14n38	0n43	17n47	0n20	14n36	1n35	14s 7	1n 4	5s39	2n41	22n10	0n 7	20n13	1s13	25s30	16s29	20n55	20n52	17n56		n.a.
T 2	13 23	8 45	4 58	15 30	0 52	18 10	0 22	14 28	1 33	14 5	1 4	5 38	2 41	22 11	0 7	20 14	1 13	25 30	16 30	20 58	20 53	17 55		n.a.
W 3	13 42	13 4	4 40	16 20	1 2	18 32	0 25	14 21	1 30	14 2	1 4	5 36	2 41	22 11	0 7	20 14	1 13	25 30	16 30	21 0	20 53	17 53		n.a.
T 4	14 1	16 49	4 7	17 9	1 10	18 54	0 27	14 13	1 28	14 0	1 4	5 35	2 41	22 12	0 7	20 15	1 13	25 30	16 30	21 2	20 54	17 52		n.a.
F 5	14 20	19 41	3 19	17 56	1 19	19 15	0 30	14 5	1 26	13 58	1 4	5 33	2 41	22 12	0 7	20 15	1 13	25 30	16 31	21 4	20 55	17 51		n.a.
S 6	14 39	21 26	2 18	18 40	1 26	19 36	0 32	13 57	1 23	13 55	1 4	5 32	2 41	22 13	0 7	20 15	1 13	25 30	16 31	21 5	20 55	17 50		n.a.
S 7	14 57	21 54	1 9	19 22	1 34	19 57	0 34	13 49	1 21	13 53	1 4	5 30	2 40	22 13	0 7	20 16	1 13	25 30	16 31	21 5	20 56	17 49		n.a.
M 8	15 15	20 59	0s 5	20 2	1 40	20 16	0 37	13 41	1 19	13 51	1 3	5 29	2 40	22 14	0 7	20 16	1 13	25 30	16 32	21 5	20 57	17 47		n.a.
T 9	15 33	18 45	1 19	20 39	1 46	20 36	0 39	13 32	1 17	13 48	1 3	5 28	2 40	22 14	0 7	20 17	1 13	25 30	16 32	21 5	20 57	17 46		n.a.
W10	15 51	15 22	2 28	21 14	1 51	20 54	0 41	13 24	1 15	13 46	1 3	5 26	2 40	22 15	0 7	20 17	1 13	25 30	16 32	21 5	20 58	17 45		n.a.
T 11	16 8	11 6	3 29	21 46	1 56	21 13	0 44	13 15	1 13	13 44	1 3	5 25	2 40	22 15	0 7	20 17	1 13	25 30	16 33	21 6	20 59	17 44		n.a.
F 12	16 26	6 13	4 16	22 16	2 0	21 30	0 46	13 6	1 11	13 41	1 3	5 24	2 40	22 16	0 7	20 18	1 13	25 30	16 33	21 6	20 59	17 42		n.a.
S 13	16 42	1 2	4 48	22 43	2 3	21 47	0 48	12 57	1 8	13 39	1 3	5 22	2 40	22 16	0 7	20 18	1 13	25 30	16 33	21 8	21 0	17 41		n.a.
S 14	16 59	4n 9	5 2	23 8	2 5	22 4	0 50	12 47	1 6	13 37	1 3	5 21	2 39	22 17	0 7	20 19	1 13	25 30	16 34	21 10	21 0	17 40		n.a.
M15	17 16	9 4	4 58	23 30	2 7	22 19	0 53	12 38	1 4	13 35	1 2	5 20	2 39	22 17	0 7	20 19	1 13	25 30	16 34	21 12	21 1	17 39		n.a.
T 16	17 32	13 27	4 37	23 50	2 8	22 34	0 55	12 28	1 2	13 32	1 2	5 18	2 39	22 18	0 7	20 19	1 13	25 30	16 34	21 14	21 2	17 37		n.a.
W17	17 48	17 5	4 2	24 7	2 8	22 49	0 57	12 19	1 0	13 30	1 2	5 17	2 39	22 18	0 7	20 20	1 13	25 30	16 35	21 16	21 2	17 36		n.a.
T 18	18 3	19 46	3 14	24 23	2 7	23 3	0 59	12 9	0 58	13 28	1 2	5 16	2 39	22 19	0 7	20 20	1 13	25 31	16 35	21 17	21 3	17 35		n.a.
F 19	18 19	21 26	2 18	24 36	2 6	23 16	1 1	11 59	0 57	13 26	1 2	5 15	2 39	22 19	0 7	20 21	1 13	25 31	16 36	21 18	21 4	17 34		n.a.
S 20	18 34	22 0	1 17	24 46	2 4	23 29	1 3	11 48	0 55	13 23	1 2	5 14	2 38	22 20	0 7	20 21	1 13	25 31	16 36	21 19	21 4	17 32		n.a.
S 21	18 48	21 32	0 13	24 55	2 2	23 41	1 5	11 38	0 53	13 21	1 1	5 13	2 38	22 21	0 7	20 21	1 13	25 31	16 36	21 19	21 5	17 31		n.a.
M22	19 3	20 5	0n51	25 2	1 59	23 52	1 7	11 28	0 51	13 19	1 1	5 12	2 38	22 21	0 7	20 22	1 13	25 31	16 37	21 19	21 5	17 30		n.a.
T 23	19 17	17 47	1 52	25 7	1 55	24 2	1 9	11 17	0 49	13 17	1 1	5 11	2 38	22 22	0 7	20 22	1 13	25 31	16 37	21 19	21 6	17 28		n.a.
W24	19 31	14 44	2 48	25 9	1 50	24 12	1 11	11 6	0 47	13 15	1 1	5 10	2 38	22 22	0 7	20 23	1 13	25 32	16 37	21 19	21 7	17 27		n.a.
T 25	19 44	11 4	3 37	25 11	1 45	24 21	1 13	10 55	0 45	13 13	1 1	5 9	2 37	22 23	0 7	20 23	1 13	25 32	16 38	21 19	21 7	17 26		n.a.
F 26	19 57	6 55	4 18	25 10	1 39	24 30	1 14	10 44	0 44	13 11	1 1	5 8	2 37	22 23	0 7	20 23	1 13	25 32	16 38	21 19	21 8	17 25		n.a.
S 27	20 10	2 24	4 47	25 8	1 33	24 37	1 16	10 33	0 42	13 9	1 0	5 7	2 37	22 24	0 7	20 24	1 13	25 32	16 38	21 20	21 8	17 23		n.a.
S 28	20 22	2s18	5 3	25 4	1 26	24 44	1 18	10 22	0 40	13 7	1 0	5 6	2 37	22 24	0 7	20 24	1 13	25 33	16 39	21 22	21 9	17 22		n.a.
M29	20 35	7 2	5 5	24 59	1 18	24 51	1 20	10 11	0 38	13 5	1 0	5 5	2 37	22 25	0 7	20 25	1 13	25 33	16 39	21 23	21 10	17 21		n.a.
T 30	20 46	11 34	4 50	24 53	1 10	24 56	1 21	9 59	0 37	13 3	1 0	5 4	2 36	22 25	0 7	20 25	1 13	25 33	16 40	21 25	21 10	17 19		n.a.
W31	20n58	15s39	4n18	24n45	1n 1	25n 1	1n23	9n47	0n35	13s 1	1n 0	5s 3	2n36	22n26	0n 7	20n25	1s13	25s33	16s40	21n26	21n11	17n18		n.a.

Julian Day Number = 1574712.5, Delta T = 04h15m20s
Ecliptic obliquity = 23°44'34, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'09, Lahiri = - 9°30'08 Julian Calendar 1 May 402 BCE == Greg. Calendar 26 Apr. 402 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

JUNE 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 14 53	3♊39'15	11♐22	29♊29	26♊ 2	6♍56	6°R41	18°R47	10♊39	6♊15	4♓ 3	24°R40	26♋ 8	18♌45	n.a.	T 1
F 2	16 18 49	4°36'20	25°30	0♋31	27°15	7°23	6♏35	18♎44	10°42	6°17	4° 3	24♋35	26° 5	18°52	n.a.	F 2
S 3	16 22 46	5°33'25	9♑46	1°29	28°28	7°51	6°29	18°42	10°46	6°19	4° 3	24°32	26° 2	18°59	n.a.	S 3
S 4	16 26 43	6°30'30	24° 7	2°24	29°41	8°19	6°24	18°40	10°49	6°21	4° 3	24°D31	25°58	19° 5	n.a.	S 4
M 5	16 30 39	7°27'35	8♒27	3°16	0♋54	8°48	6°18	18°37	10°53	6°24	4° 3	24°32	25°55	19°12	n.a.	M 5
T 6	16 34 36	8°24'41	22°43	4° 5	2° 7	9°16	6°12	18°35	10°57	6°26	4° 3	24°33	25°52	19°19	n.a.	T 6
W 7	16 38 32	9°21'48	6♓55	4°50	3°20	9°45	6° 7	18°33	11° 0	6°28	4° 3	24°R34	25°49	19°25	n.a.	W 7
T 8	16 42 29	10°18'55	20°59	5°31	4°33	10°15	6° 2	18°31	11° 4	6°30	4° 3	24°33	25°46	19°32	n.a.	T 8
F 9	16 46 25	11°16'02	4♈56	6° 9	5°46	10°44	5°57	18°30	11° 7	6°33	4° 4	24°31	25°42	19°38	n.a.	F 9
S 10	16 50 22	12°13'10	18°42	6°43	6°59	11°14	5°52	18°28	11°11	6°35	4°R 4	24°27	25°39	19°45	n.a.	S 10
S 11	16 54 18	13°10'19	2♉18	7°12	8°11	11°44	5°47	18°26	11°15	6°37	4° 3	24°22	25°36	19°52	n.a.	S 11
M12	16 58 15	14° 7'28	15°41	7°37	9°24	12°14	5°43	18°25	11°18	6°39	4° 3	24°15	25°33	19°58	n.a.	M12
T 13	17 2 12	15° 4'38	28°51	7°58	10°37	12°45	5°38	18°23	11°22	6°41	4° 3	24° 9	25°30	20° 5	n.a.	T 13
W14	17 6 8	16° 1'49	11♊46	8°15	11°50	13°16	5°34	18°22	11°26	6°44	4° 3	24° 3	25°27	20°12	n.a.	W14
T 15	17 10 5	16°59'00	24°26	8°26	13° 2	13°47	5°30	18°20	11°29	6°46	4° 3	23°58	25°23	20°18	n.a.	T 15
F 16	17 14 1	17°56'12	6♋52	8°33	14°15	14°18	5°26	18°19	11°33	6°48	4° 3	23°55	25°20	20°25	n.a.	F 16
S 17	17 17 58	18°53'24	19° 4	8°R36	15°28	14°50	5°22	18°18	11°36	6°50	4° 3	23°D54	25°17	20°32	n.a.	S 17
S 18	17 21 54	19°50'36	1♌ 5	8°33	16°41	15°21	5°18	18°17	11°40	6°53	4° 3	23°54	25°14	20°38	n.a.	S 18
M19	17 25 51	20°47'49	12°58	8°25	17°53	15°53	5°15	18°16	11°44	6°55	4° 3	23°55	25°11	20°45	n.a.	M19
T 20	17 29 48	21°45'03	24°47	8°13	19° 6	16°26	5°11	18°15	11°47	6°57	4° 2	23°57	25° 8	20°52	n.a.	T 20
W21	17 33 44	22°42'17	6♍36	7°56	20°19	16°58	5° 8	18°14	11°51	6°59	4° 2	23°58	25° 4	20°58	n.a.	W21
T 22	17 37 41	23°39'31	18°30	7°34	21°31	17°31	5° 5	18°14	11°54	7° 1	4° 2	23°R59	25° 1	21° 5	n.a.	T 22
F 23	17 41 37	24°36'46	0♎35	7° 7	22°44	18° 4	5° 2	18°13	11°58	7° 3	4° 2	23°59	24°58	21°12	n.a.	F 23
S 24	17 45 34	25°34'01	12°54	6°37	23°56	18°37	5° 0	18°13	12° 1	7° 5	4° 1	23°58	24°55	21°18	n.a.	S 24
S 25	17 49 30	26°31'17	25°32	6° 2	25° 9	19°10	4°57	18°12	12° 5	7° 8	4° 1	23°56	24°52	21°25	n.a.	S 25
M26	17 53 27	27°28'33	8♏33	5°24	26°21	19°43	4°55	18°12	12° 9	7°10	4° 1	23°52	24°48	21°32	n.a.	M26
T 27	17 57 23	28°25'51	21°58	4°44	27°34	20°17	4°53	18°12	12°12	7°12	4° 0	23°49	24°45	21°38	n.a.	T 27
W28	18 1 20	29°23'09	5♐47	4° 1	28°46	20°51	4°51	18°D12	12°16	7°14	4° 0	23°45	24°42	21°45	n.a.	W28
T 29	18 5 17	0♋20'28	19°58	3°17	29°59	21°25	4°50	18°12	12°19	7°16	3°59	23°42	24°39	21°52	n.a.	T 29
F 30	18 9 13	1♋17'47	4♑26	2♋32	1♌11	21♍59	4♏48	18♎12	12♊23	7♊18	3♓59	23♋40	24♋36	21♌58	n.a.	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	21n 9	18s57	3n31	24n37	0n52	25n 5	1n24	9n36	0n33	12s59	0n59	5s 3	2n36	22n26	0n 7	20n26	1s13	25s34	16s40	21n28	21n11	17n17		n.a.
F 2	21 20	21 10	2 30	24 27	0 42	25 8	1 26	9 24	0 32	12 57	0 59	5 2	2 36	22 27	0 7	20 26	1 13	25 34	16 41	21 29	21 12	17 15		n.a.
S 3	21 30	22 4	1 19	24 16	0 32	25 11	1 27	9 12	0 30	12 56	0 59	5 1	2 36	22 27	0 7	20 27	1 13	25 34	16 41	21 29	21 13	17 14		n.a.
S 4	21 40	21 32	0 2	24 4	0 21	25 13	1 28	9 0	0 28	12 54	0 59	5 1	2 35	22 28	0 7	20 27	1 13	25 34	16 41	21 29	21 13	17 13		n.a.
M 5	21 50	19 35	1s15	23 52	0 10	25 14	1 29	8 47	0 27	12 52	0 58	5 0	2 35	22 28	0 7	20 27	1 13	25 35	16 42	21 29	21 14	17 11		n.a.
T 6	21 59	16 25	2 27	23 38	0s 2	25 14	1 31	8 35	0 25	12 51	0 58	4 59	2 35	22 29	0 7	20 28	1 13	25 35	16 42	21 29	21 14	17 10		n.a.
W 7	22 8	12 19	3 29	23 25	0 15	25 14	1 32	8 22	0 24	12 49	0 58	4 59	2 35	22 29	0 7	20 28	1 13	25 35	16 43	21 29	21 15	17 8		n.a.
T 8	22 17	7 34	4 18	23 10	0 27	25 12	1 33	8 10	0 22	12 48	0 58	4 58	2 34	22 30	0 7	20 28	1 13	25 36	16 43	21 29	21 16	17 7		n.a.
F 9	22 25	2 28	4 52	22 55	0 41	25 11	1 34	7 57	0 21	12 46	0 58	4 58	2 34	22 31	0 7	20 29	1 13	25 36	16 43	21 29	21 16	17 6		n.a.
S 10	22 33	2n41	5 8	22 40	0 54	25 8	1 35	7 44	0 19	12 45	0 57	4 57	2 34	22 31	0 7	20 29	1 13	25 36	16 44	21 30	21 17	17 4		n.a.
S 11	22 40	7 38	5 7	22 25	1 8	25 4	1 36	7 31	0 18	12 43	0 57	4 57	2 34	22 32	0 7	20 30	1 13	25 37	16 44	21 31	21 17	17 3		n.a.
M12	22 47	12 9	4 48	22 9	1 22	25 0	1 36	7 18	0 16	12 42	0 57	4 57	2 33	22 32	0 7	20 30	1 13	25 37	16 44	21 32	21 18	17 2		n.a.
T 13	22 54	16 0	4 15	21 54	1 36	24 55	1 37	7 5	0 15	12 41	0 57	4 56	2 33	22 33	0 7	20 30	1 13	25 37	16 45	21 33	21 19	17 0		n.a.
W14	23 0	19 2	3 29	21 38	1 51	24 50	1 38	6 52	0 13	12 40	0 56	4 56	2 33	22 33	0 7	20 31	1 13	25 38	16 45	21 34	21 19	16 59		n.a.
T 15	23 6	21 4	2 34	21 23	2 5	24 43	1 38	6 38	0 12	12 38	0 56	4 56	2 33	22 34	0 7	20 31	1 13	25 38	16 46	21 35	21 20	16 57		n.a.
F 16	23 11	22 2	1 32	21 8	2 20	24 36	1 39	6 25	0 10	12 37	0 56	4 56	2 32	22 34	0 7	20 32	1 13	25 38	16 46	21 36	21 20	16 56		n.a.
S 17	23 16	21 56	0 26	20 53	2 35	24 29	1 39	6 11	0 9	12 36	0 56	4 55	2 32	22 35	0 7	20 32	1 13	25 39	16 46	21 36	21 21	16 55		n.a.
S 18	23 21	20 49	0n39	20 39	2 49	24 20	1 40	5 57	0 7	12 35	0 55	4 55	2 32	22 35	0 7	20 32	1 13	25 39	16 47	21 36	21 22	16 53		n.a.
M19	23 25	18 46	1 43	20 26	3 3	24 11	1 40	5 44	0 6	12 34	0 55	4 55	2 32	22 36	0 7	20 33	1 13	25 40	16 47	21 36	21 22	16 52		n.a.
T 20	23 29	15 57	2 41	20 13	3 17	24 1	1 40	5 30	0 5	12 33	0 55	4 55	2 31	22 36	0 7	20 33	1 13	25 40	16 47	21 35	21 23	16 50		n.a.
W21	23 32	12 29	3 33	20 0	3 30	23 50	1 40	5 16	0 3	12 33	0 55	4 55	2 31	22 37	0 7	20 33	1 13	25 41	16 48	21 35	21 23	16 49		n.a.
T 22	23 35	8 31	4 16	19 49	3 43	23 39	1 40	5 2	0 2	12 32	0 54	4 55	2 31	22 37	0 7	20 34	1 13	25 41	16 48	21 35	21 24	16 48		n.a.
F 23	23 38	4 10	4 48	19 39	3 54	23 27	1 40	4 47	0 1	12 31	0 54	4 55	2 31	22 38	0 7	20 34	1 13	25 41	16 48	21 35	21 24	16 46		n.a.
S 24	23 40	0s26	5 8	19 30	4 5	23 14	1 40	4 33	0s 1	12 31	0 54	4 55	2 30	22 38	0 7	20 34	1 13	25 42	16 49	21 35	21 25	16 45		n.a.
S 25	23 42	5 8	5 14	19 22	4 15	23 1	1 40	4 19	0 2	12 30	0 54	4 55	2 30	22 39	0 7	20 35	1 13	25 42	16 49	21 36	21 26	16 43		n.a.
M26	23 43	9 44	5 4	19 15	4 23	22 47	1 40	4 4	0 3	12 29	0 53	4 55	2 30	22 39	0 7	20 35	1 13	25 43	16 50	21 36	21 26	16 42		n.a.
T 27	23 44	14 2	4 37	19 9	4 30	22 32	1 39	3 50	0 4	12 29	0 53	4 55	2 29	22 40	0 7	20 36	1 13	25 43	16 50	21 37	21 27	16 40		n.a.
W28	23 44	17 42	3 54	19 5	4 36	22 17	1 39	3 35	0 6	12 29	0 53	4 56	2 29	22 40	0 7	20 36	1 13	25 44	16 50	21 37	21 27	16 39		n.a.
T 29	23 45	20 27	2 55	19 2	4 40	22 1	1 39	3 20	0 7	12 28	0 52	4 56	2 29	22 41	0 7	20 36	1 13	25 44	16 51	21 38	21 28	16 37		n.a.
F 30	23n44	21s56	1n44	19n 1	4s42	21n44	1n38	3n 5	0s 8	12s28	0n52	4s56	2n29	22n41	0n 7	20n37	1s13	25s45	16s51	21n38	21n29	16n36		n.a.

Julian Day Number = 1574743.5, Delta T = 04h15m19s
Ecliptic obliquity = 23°44'34, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'05, Lahiri = - 9°30'04 Julian Calendar 1 June 402 BCE == Greg. Calendar 27 May 402 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

JULY 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	18 13 10	2♋15'08	19♉ 7	1°R47	2♌23	22♍34	4°R47	18♎12	12♊26	7♊20	3°R59	23°D39	24♋33	22♌ 5	n.a.	S 1
S 2	18 17 6	3°12'30	3♒52	1♋ 3	3°36	23° 9	4♏45	18°13	12°29	7°22	3♓58	23♋39	24°29	22°12	n.a.	S 2
M 3	18 21 3	4° 9'53	18°36	0°21	4°48	23°43	4°45	18°13	12°33	7°24	3°58	23°40	24°26	22°18	n.a.	M 3
T 4	18 24 59	5° 7'18	3♓12	29♊42	6° 0	24°18	4°44	18°13	12°36	7°26	3°57	23°42	24°23	22°25	n.a.	T 4
W 5	18 28 56	6° 4'44	17°36	29° 5	7°12	24°54	4°43	18°14	12°40	7°28	3°57	23°43	24°20	22°32	n.a.	W 5
T 6	18 32 52	7° 2'11	1♈45	28°33	8°25	25°29	4°43	18°15	12°43	7°30	3°56	23°R43	24°17	22°38	n.a.	T 6
F 7	18 36 49	7°59'40	15°37	28° 6	9°37	26° 4	4°42	18°15	12°46	7°32	3°55	23°43	24°14	22°45	n.a.	F 7
S 8	18 40 46	8°57'10	29°13	27°43	10°49	26°40	4°D42	18°16	12°50	7°34	3°55	23°43	24°10	22°52	n.a.	S 8
S 9	18 44 42	9°54'42	12♉31	27°27	12° 1	27°16	4°43	18°17	12°53	7°36	3°54	23°41	24° 7	22°58	n.a.	S 9
M10	18 48 39	10°52'15	25°34	27°17	13°13	27°52	4°43	18°18	12°56	7°38	3°54	23°40	24° 4	23° 5	n.a.	M10
T 11	18 52 35	11°49'50	8♊22	27°D13	14°25	28°28	4°43	18°20	13° 0	7°40	3°53	23°38	24° 1	23°12	n.a.	T 11
W12	18 56 32	12°47'26	20°57	27°17	15°37	29° 5	4°44	18°21	13° 3	7°42	3°52	23°36	23°58	23°18	n.a.	W12
T 13	19 0 28	13°45'04	3♋19	27°27	16°49	29°41	4°45	18°22	13° 6	7°44	3°52	23°35	23°54	23°25	n.a.	T 13
F 14	19 4 25	14°42'44	15°31	27°44	18° 1	0♎18	4°46	18°24	13° 9	7°46	3°51	23°35	23°51	23°32	n.a.	F 14
S 15	19 8 22	15°40'24	27°33	28° 9	19°13	0°55	4°47	18°25	13°13	7°48	3°50	23°D35	23°48	23°38	n.a.	S 15
S 16	19 12 18	16°38'06	9♌28	28°41	20°25	1°32	4°49	18°27	13°16	7°50	3°50	23°35	23°45	23°45	n.a.	S 16
M17	19 16 15	17°35'50	21°18	29°20	21°37	2° 9	4°50	18°29	13°19	7°51	3°49	23°36	23°42	23°52	n.a.	M17
T 18	19 20 11	18°33'35	3♍ 6	0♋ 6	22°48	2°47	4°52	18°30	13°22	7°53	3°48	23°36	23°39	23°58	n.a.	T 18
W19	19 24 8	19°31'21	14°55	0°59	24° 0	3°24	4°54	18°32	13°25	7°55	3°47	23°37	23°35	24° 5	n.a.	W19
T 20	19 28 4	20°29'08	26°49	1°58	25°12	4° 2	4°56	18°34	13°28	7°57	3°46	23°37	23°32	24°12	n.a.	T 20
F 21	19 32 1	21°26'57	8♎53	3° 5	26°24	4°40	4°59	18°36	13°31	7°58	3°46	23°37	23°29	24°18	n.a.	F 21
S 22	19 35 57	22°24'46	21°10	4°17	27°35	5°18	5° 1	18°39	13°34	8° 0	3°45	23°R37	23°26	24°25	n.a.	S 22
S 23	19 39 54	23°22'38	3♏45	5°35	28°47	5°56	5° 4	18°41	13°37	8° 2	3°44	23°D37	23°23	24°32	n.a.	S 23
M24	19 43 50	24°20'30	16°42	6°59	29°58	6°34	5° 7	18°43	13°40	8° 4	3°43	23°37	23°20	24°38	n.a.	M24
T 25	19 47 47	25°18'25	0♐ 4	8°27	1♍10	7°12	5°10	18°46	13°43	8° 5	3°42	23°37	23°16	24°45	n.a.	T 25
W26	19 51 44	26°16'20	13°52	10° 1	2°21	7°51	5°13	18°48	13°46	8° 7	3°41	23°38	23°13	24°52	n.a.	W26
T 27	19 55 40	27°14'17	28° 7	11°39	3°33	8°29	5°16	18°51	13°49	8° 8	3°40	23°38	23°10	24°58	n.a.	T 27
F 28	19 59 37	28°12'16	12♑44	13°20	4°44	9° 8	5°20	18°54	13°52	8°10	3°39	23°38	23° 7	25° 5	n.a.	F 28
S 29	20 3 33	29°10'16	27°39	15° 5	5°55	9°47	5°24	18°56	13°55	8°12	3°39	23°R38	23° 4	25°12	n.a.	S 29
S 30	20 7 30	0♌ 8'19	12♒44	16°53	7° 7	10°26	5°28	18°59	13°57	8°13	3°38	23°38	23° 0	25°18	n.a.	S 30
M31	20 11 26	1♌ 6'22	27♒50	18♋43	8♍18	11♎ 5	5♏32	19♎ 2	14♊ 0	8♊15	3♓37	23♋37	22♋57	25♌25	n.a.	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n43	21s57	0n25	19n 1	4s43	21n27	1n37	2n51	0s 9	12s28	0n52	4s57	2n28	22n41	0n 7	20n37	1s13	25s45	16s51	21n38	21n29	16n35		n.a.
S 2	23 42	20 26	0s56	19 3	4 41	21 10	1 37	2 36	0 11	12 28	0 52	4 57	2 28	22 42	0 7	20 37	1 13	25 46	16 52	21 38	21 30	16 33		n.a.
M 3	23 41	17 33	2 13	19 6	4 38	20 51	1 36	2 21	0 12	12 28	0 51	4 57	2 28	22 42	0 7	20 38	1 13	25 46	16 52	21 38	21 30	16 32		n.a.
T 4	23 39	13 35	3 21	19 11	4 34	20 32	1 35	2 5	0 13	12 28	0 51	4 58	2 28	22 43	0 7	20 38	1 13	25 47	16 52	21 38	21 31	16 30		n.a.
W 5	23 36	8 52	4 16	19 17	4 27	20 13	1 34	1 50	0 14	12 28	0 51	4 58	2 27	22 43	0 7	20 38	1 13	25 47	16 53	21 38	21 31	16 29		n.a.
T 6	23 33	3 46	4 53	19 25	4 19	19 53	1 33	1 35	0 15	12 28	0 51	4 59	2 27	22 44	0 7	20 39	1 13	25 48	16 53	21 38	21 32	16 27		n.a.
F 7	23 30	1n25	5 13	19 34	4 10	19 33	1 32	1 20	0 16	12 28	0 50	4 59	2 27	22 44	0 7	20 39	1 13	25 48	16 53	21 38	21 32	16 26		n.a.
S 8	23 26	6 26	5 15	19 45	3 59	19 12	1 31	1 4	0 18	12 28	0 50	5 0	2 27	22 45	0 7	20 39	1 13	25 49	16 54	21 38	21 33	16 24		n.a.
S 9	23 22	11 2	4 59	19 56	3 47	18 50	1 29	0 49	0 19	12 28	0 50	5 1	2 26	22 45	0 7	20 39	1 13	25 49	16 54	21 38	21 34	16 23		n.a.
M10	23 17	15 3	4 29	20 9	3 34	18 28	1 28	0 33	0 20	12 29	0 50	5 1	2 26	22 46	0 7	20 40	1 13	25 50	16 54	21 38	21 34	16 21		n.a.
T 11	23 12	18 16	3 45	20 23	3 20	18 5	1 27	0 18	0 21	12 29	0 49	5 2	2 26	22 46	0 7	20 40	1 13	25 50	16 54	21 39	21 35	16 20		n.a.
W12	23 7	20 35	2 51	20 38	3 5	17 42	1 25	0 2	0 22	12 30	0 49	5 3	2 25	22 46	0 7	20 40	1 13	25 51	16 55	21 39	21 35	16 18		n.a.
T 13	23 1	21 52	1 50	20 54	2 49	17 19	1 23	0s14	0 23	12 30	0 49	5 3	2 25	22 47	0 7	20 41	1 13	25 51	16 55	21 39	21 36	16 17		n.a.
F 14	22 55	22 5	0 45	21 10	2 34	16 55	1 22	0 29	0 24	12 31	0 49	5 4	2 25	22 47	0 7	20 41	1 13	25 52	16 55	21 39	21 36	16 15		n.a.
S 15	22 49	21 16	0n22	21 26	2 18	16 31	1 20	0 45	0 25	12 31	0 48	5 5	2 25	22 48	0 7	20 41	1 13	25 52	16 56	21 39	21 37	16 14		n.a.
S 16	22 42	19 30	1 27	21 43	2 1	16 6	1 18	1 1	0 26	12 32	0 48	5 6	2 24	22 48	0 7	20 42	1 13	25 53	16 56	21 39	21 38	16 12		n.a.
M17	22 34	16 55	2 28	22 0	1 45	15 41	1 16	1 17	0 27	12 33	0 48	5 7	2 24	22 48	0 7	20 42	1 13	25 53	16 56	21 39	21 38	16 11		n.a.
T 18	22 26	13 38	3 22	22 16	1 29	15 15	1 14	1 33	0 28	12 34	0 47	5 8	2 24	22 49	0 7	20 42	1 13	25 54	16 57	21 39	21 39	16 9		n.a.
W19	22 18	9 49	4 8	22 32	1 12	14 49	1 12	1 49	0 29	12 35	0 47	5 9	2 24	22 49	0 7	20 42	1 13	25 55	16 57	21 39	21 39	16 7		n.a.
T 20	22 10	5 36	4 44	22 47	0 57	14 23	1 10	2 5	0 30	12 36	0 47	5 10	2 23	22 50	0 7	20 43	1 13	25 55	16 57	21 39	21 40	16 6		n.a.
F 21	22 1	1 8	5 7	23 1	0 41	13 56	1 8	2 21	0 31	12 37	0 47	5 11	2 23	22 50	0 7	20 43	1 13	25 56	16 57	21 39	21 40	16 4		n.a.
S 22	21 51	3s28	5 17	23 14	0 26	13 29	1 5	2 37	0 32	12 38	0 46	5 12	2 23	22 50	0 7	20 43	1 13	25 56	16 58	21 39	21 41	16 3		n.a.
S 23	21 41	8 1	5 13	23 26	0 12	13 2	1 3	2 53	0 33	12 39	0 46	5 13	2 23	22 51	0 7	20 43	1 13	25 57	16 58	21 39	21 41	16 1		n.a.
M24	21 31	12 22	4 52	23 35	0n 2	12 34	1 1	3 10	0 34	12 40	0 46	5 14	2 22	22 51	0 7	20 44	1 13	25 57	16 58	21 39	21 42	16 0		n.a.
T 25	21 21	16 15	4 16	23 43	0 15	12 6	0 58	3 26	0 35	12 41	0 46	5 15	2 22	22 52	0 7	20 44	1 13	25 58	16 58	21 39	21 42	15 58		n.a.
W26	21 10	19 23	3 24	23 49	0 27	11 38	0 56	3 42	0 36	12 43	0 45	5 16	2 22	22 52	0 7	20 44	1 13	25 58	16 59	21 39	21 43	15 57		n.a.
T 27	20 59	21 27	2 17	23 52	0 39	11 9	0 53	3 58	0 37	12 44	0 45	5 18	2 21	22 52	0 8	20 44	1 13	25 59	16 59	21 39	21 44	15 55		n.a.
F 28	20 47	22 8	1 0	23 53	0 49	10 40	0 50	4 15	0 38	12 46	0 45	5 19	2 21	22 53	0 8	20 45	1 13	26 0	16 59	21 39	21 44	15 53		n.a.
S 29	20 35	21 15	0s22	23 51	0 59	10 11	0 47	4 31	0 39	12 47	0 45	5 20	2 21	22 53	0 8	20 45	1 13	26 0	16 59	21 39	21 45	15 52		n.a.
S 30	20 23	18 52	1 44	23 47	1 8	9 42	0 45	4 47	0 40	12 49	0 44	5 22	2 21	22 53	0 8	20 45	1 13	26 1	17 0	21 39	21 45	15 50		n.a.
M31	20n10	15s10	2s59	23n40	1n16	9n12	0n42	5s 4	0s41	12s50	0n44	5s23	2n20	22n54	0n 8	20n45	1s13	26s 1	17s 0	21n39	21n46	15n49		n.a.

Julian Day Number = 1574773.5, Delta T = 04h15m18s
Ecliptic obliquity = 23°44'34, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°37'01, Lahiri = - 9°30'00 Julian Calendar 1 July 402 BCE == Greg. Calendar 26 June 402 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

AUGUST 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 15 23	2♌ 4'28	12♓48	20♋35	9♍29	11♎45	5♏36	19♎ 5	14♊ 3	8♊16	3°R36	23°R37	22♋54	25♌32	n.a.	T 1
W 2	20 19 19	3° 2'36	27°30	22°28	10°40	12°24	5°40	19° 9	14° 6	8°18	3♓35	23♋36	22°51	25°38	n.a.	W 2
T 3	20 23 16	4° 0'46	11♈52	24°23	11°51	13° 4	5°45	19°12	14° 8	8°19	3°34	23°35	22°48	25°45	n.a.	T 3
F 4	20 27 13	4°58'58	25°50	26°19	13° 2	13°43	5°50	19°15	14°11	8°20	3°33	23°34	22°45	25°52	n.a.	F 4
S 5	20 31 9	5°57'12	9♉24	28°15	14°13	14°23	5°55	19°18	14°13	8°22	3°32	23°D34	22°41	25°58	n.a.	S 5
S 6	20 35 6	6°55'28	22°36	0♌11	15°24	15° 3	6° 0	19°22	14°16	8°23	3°31	23°34	22°38	26° 5	n.a.	S 6
M 7	20 39 2	7°53'47	5♊26	2° 7	16°35	15°43	6° 5	19°26	14°18	8°24	3°30	23°35	22°35	26°12	n.a.	M 7
T 8	20 42 59	8°52'08	18° 0	4° 3	17°46	16°23	6°10	19°29	14°21	8°26	3°28	23°37	22°32	26°18	n.a.	T 8
W 9	20 46 55	9°50'31	0♋19	5°59	18°56	17° 4	6°16	19°33	14°23	8°27	3°27	23°38	22°29	26°25	n.a.	W 9
T 10	20 50 52	10°48'56	12°27	7°54	20° 7	17°44	6°22	19°37	14°26	8°28	3°26	23°39	22°26	26°32	n.a.	T 10
F 11	20 54 48	11°47'24	24°26	9°48	21°17	18°25	6°28	19°41	14°28	8°30	3°25	23°R39	22°22	26°38	n.a.	F 11
S 12	20 58 45	12°45'53	6♌20	11°42	22°28	19° 5	6°34	19°45	14°30	8°31	3°24	23°39	22°19	26°45	n.a.	S 12
S 13	21 2 42	13°44'24	18°10	13°35	23°39	19°46	6°40	19°49	14°33	8°32	3°23	23°37	22°16	26°52	n.a.	S 13
M14	21 6 38	14°42'58	29°59	15°27	24°49	20°27	6°46	19°53	14°35	8°33	3°22	23°35	22°13	26°58	n.a.	M14
T 15	21 10 35	15°41'33	11♍48	17°18	25°59	21° 8	6°53	19°57	14°37	8°34	3°21	23°31	22°10	27° 5	n.a.	T 15
W16	21 14 31	16°40'10	23°39	19° 7	27°10	21°49	6°59	20° 1	14°39	8°35	3°20	23°27	22° 6	27°12	n.a.	W16
T 17	21 18 28	17°38'49	5♎36	20°56	28°20	22°31	7° 6	20° 6	14°41	8°36	3°19	23°23	22° 3	27°18	n.a.	T 17
F 18	21 22 24	18°37'30	17°42	22°44	29°30	23°12	7°13	20°10	14°43	8°37	3°17	23°20	22° 0	27°25	n.a.	F 18
S 19	21 26 21	19°36'13	29°59	24°31	0♎40	23°53	7°20	20°14	14°45	8°38	3°16	23°17	21°57	27°32	n.a.	S 19
S 20	21 30 17	20°34'57	12♏31	26°17	1°50	24°35	7°27	20°19	14°47	8°39	3°15	23°16	21°54	27°38	n.a.	S 20
M21	21 34 14	21°33'44	25°22	28° 2	3° 0	25°17	7°35	20°24	14°49	8°40	3°14	23°D16	21°51	27°45	n.a.	M21
T 22	21 38 10	22°32'32	8♐36	29°46	4°10	25°58	7°42	20°28	14°51	8°41	3°13	23°16	21°47	27°52	n.a.	T 22
W23	21 42 7	23°31'22	22°15	1♍29	5°19	26°40	7°50	20°33	14°53	8°42	3°12	23°18	21°44	27°58	n.a.	W23
T 24	21 46 4	24°30'14	6♑21	3°11	6°29	27°22	7°58	20°38	14°54	8°43	3°10	23°19	21°41	28° 5	n.a.	T 24
F 25	21 50 0	25°29'08	20°53	4°52	7°39	28° 4	8° 5	20°43	14°56	8°44	3° 9	23°R20	21°38	28°12	n.a.	F 25
S 26	21 53 57	26°28'04	5♒47	6°32	8°48	28°47	8°14	20°48	14°58	8°44	3° 8	23°20	21°35	28°18	n.a.	S 26
S 27	21 57 53	27°27'02	20°57	8°11	9°58	29°29	8°22	20°53	15° 0	8°45	3° 7	23°17	21°31	28°25	n.a.	S 27
M28	22 1 50	28°26'02	6♓14	9°49	11° 7	0♏11	8°30	20°58	15° 1	8°46	3° 6	23°14	21°28	28°32	n.a.	M28
T 29	22 5 46	29°25'04	21°26	11°26	12°16	0°54	8°38	21° 3	15° 3	8°46	3° 5	23° 9	21°25	28°38	n.a.	T 29
W30	22 9 43	0♍24'08	6♈25	13° 3	13°25	1°36	8°47	21° 8	15° 4	8°47	3° 3	23° 3	21°22	28°45	n.a.	W30
T 31	22 13 39	1♍23'15	21♈ 2	14♍38	14♎34	2♏19	8♏56	21♎13	15♊ 6	8♊48	3♓ 2	22♋58	21♋19	28♌52	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	19n57	10s32	4s 0	23n31	1n23	8n42	0n39	5s20	0s42	12s52	0n44	5s24	2n20	22n54	0n 8	20n45	1s13	26s 2	17s 0	21n39	21n46	15n47		n.a.
W 2	19 43	5 21	4 45	23 18	1 29	8 12	0 36	5 37	0 42	12 54	0 44	5 26	2 20	22 54	0 8	20 46	1 13	26 2	17 0	21 39	21 47	15 45		n.a.
T 3	19 30	0 0	5 11	23 3	1 34	7 42	0 32	5 53	0 43	12 55	0 43	5 27	2 20	22 55	0 8	20 46	1 13	26 3	17 0	21 39	21 47	15 44		n.a.
F 4	19 16	5n11	5 17	22 46	1 38	7 12	0 29	6 9	0 44	12 57	0 43	5 29	2 20	22 55	0 8	20 46	1 13	26 4	17 1	21 39	21 48	15 42		n.a.
S 5	19 1	9 59	5 5	22 26	1 42	6 41	0 26	6 26	0 45	12 59	0 43	5 30	2 19	22 55	0 8	20 46	1 13	26 4	17 1	21 39	21 48	15 41		n.a.
S 6	18 47	14 11	4 37	22 4	1 45	6 10	0 23	6 42	0 46	13 1	0 43	5 32	2 19	22 56	0 8	20 46	1 13	26 5	17 1	21 39	21 49	15 39		n.a.
M 7	18 32	17 36	3 56	21 40	1 47	5 40	0 19	6 59	0 47	13 3	0 43	5 33	2 19	22 56	0 8	20 47	1 13	26 5	17 1	21 39	21 49	15 37		n.a.
T 8	18 16	20 7	3 5	21 14	1 48	5 9	0 16	7 15	0 47	13 5	0 42	5 35	2 19	22 56	0 8	20 47	1 13	26 6	17 1	21 39	21 50	15 36		n.a.
W 9	18 0	21 39	2 6	20 46	1 48	4 37	0 13	7 32	0 48	13 7	0 42	5 37	2 18	22 57	0 8	20 47	1 13	26 6	17 1	21 39	21 51	15 34		n.a.
T 10	17 44	22 8	1 2	20 16	1 48	4 6	0 9	7 48	0 49	13 9	0 42	5 38	2 18	22 57	0 8	20 47	1 14	26 7	17 2	21 39	21 51	15 32		n.a.
F 11	17 28	21 34	0n 4	19 44	1 47	3 35	0 5	8 4	0 50	13 11	0 42	5 40	2 18	22 57	0 8	20 47	1 14	26 7	17 2	21 39	21 52	15 31		n.a.
S 12	17 12	20 3	1 10	19 11	1 46	3 3	0 2	8 21	0 51	13 14	0 41	5 42	2 18	22 57	0 8	20 48	1 14	26 8	17 2	21 39	21 52	15 29		n.a.
S 13	16 55	17 39	2 11	18 37	1 44	2 32	0s 2	8 37	0 51	13 16	0 41	5 44	2 17	22 58	0 8	20 48	1 14	26 9	17 2	21 39	21 53	15 28		n.a.
M14	16 38	14 32	3 7	18 2	1 42	2 0	0 5	8 53	0 52	13 18	0 41	5 45	2 17	22 58	0 8	20 48	1 14	26 9	17 2	21 39	21 53	15 26		n.a.
T 15	16 20	10 50	3 55	17 25	1 39	1 28	0 9	9 10	0 53	13 21	0 41	5 47	2 17	22 58	0 8	20 48	1 14	26 10	17 2	21 40	21 54	15 24		n.a.
W16	16 2	6 43	4 33	16 47	1 36	0 57	0 13	9 26	0 53	13 23	0 40	5 49	2 17	22 59	0 8	20 48	1 14	26 10	17 2	21 41	21 54	15 23		n.a.
T 17	15 44	2 19	4 59	16 9	1 32	0 25	0 17	9 42	0 54	13 25	0 40	5 51	2 16	22 59	0 8	20 48	1 14	26 11	17 3	21 41	21 55	15 21		n.a.
F 18	15 26	2s13	5 12	15 29	1 28	0s 7	0 21	9 58	0 55	13 28	0 40	5 53	2 16	22 59	0 8	20 48	1 14	26 11	17 3	21 42	21 55	15 19		n.a.
S 19	15 8	6 45	5 12	14 49	1 23	0 39	0 25	10 15	0 56	13 30	0 40	5 55	2 16	22 59	0 8	20 49	1 14	26 12	17 3	21 42	21 56	15 18		n.a.
S 20	14 49	11 5	4 57	14 9	1 19	1 10	0 29	10 31	0 56	13 33	0 40	5 57	2 16	23 0	0 8	20 49	1 14	26 12	17 3	21 43	21 56	15 16		n.a.
M21	14 30	15 2	4 26	13 28	1 14	1 42	0 32	10 47	0 57	13 36	0 39	5 58	2 16	23 0	0 8	20 49	1 14	26 13	17 3	21 43	21 57	15 14		n.a.
T 22	14 10	18 23	3 41	12 46	1 8	2 14	0 36	11 3	0 58	13 38	0 39	6 0	2 15	23 0	0 8	20 49	1 14	26 13	17 3	21 42	21 57	15 13		n.a.
W23	13 51	20 49	2 42	12 4	1 3	2 46	0 40	11 19	0 58	13 41	0 39	6 2	2 15	23 0	0 8	20 49	1 14	26 14	17 3	21 42	21 58	15 11		n.a.
T 24	13 31	22 4	1 32	11 21	0 57	3 17	0 45	11 35	0 59	13 44	0 39	6 4	2 15	23 0	0 8	20 49	1 14	26 14	17 3	21 42	21 58	15 9		n.a.
F 25	13 11	21 53	0 13	10 39	0 51	3 49	0 49	11 51	1 0	13 47	0 39	6 6	2 15	23 1	0 8	20 49	1 14	26 15	17 3	21 42	21 59	15 7		n.a.
S 26	12 51	20 9	1s 8	9 56	0 45	4 20	0 53	12 7	1 0	13 49	0 38	6 9	2 15	23 1	0 8	20 49	1 14	26 15	17 3	21 42	21 59	15 6		n.a.
S 27	12 31	16 59	2 25	9 12	0 39	4 52	0 57	12 23	1 1	13 52	0 38	6 11	2 14	23 1	0 8	20 49	1 14	26 16	17 3	21 42	22 0	15 4		n.a.
M28	12 10	12 38	3 33	8 29	0 32	5 23	1 1	12 38	1 1	13 55	0 38	6 13	2 14	23 1	0 8	20 49	1 14	26 16	17 3	21 43	22 0	15 2		n.a.
T 29	11 49	7 29	4 25	7 46	0 26	5 54	1 5	12 54	1 2	13 58	0 38	6 15	2 14	23 1	0 8	20 49	1 14	26 17	17 3	21 44	22 1	15 1		n.a.
W30	11 28	1 58	4 58	7 2	0 19	6 25	1 9	13 10	1 3	14 1	0 37	6 17	2 14	23 2	0 8	20 50	1 14	26 17	17 3	21 45	22 1	14 59		n.a.
T 31	11n 7	3n31	5s11	6n19	0n12	6s56	1s13	13s25	1s 3	14s 4	0n37	6s19	2n14	23n 2	0n 8	20n50	1s14	26s18	17s 3	21n46	22n 2	14n57		n.a.

Julian Day Number = 1574804.5, Delta T = 04h15m17s
Ecliptic obliquity = 23°44'34, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'56, Lahiri = - 9°29'56 Julian Calendar 1 Aug. 402 BCE == Greg. Calendar 27 July 402 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

SEPTEMBER 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	22 17 36	2♍22'24	5♉12	16♍13	15♎43	3♏ 2	9♏ 4	21♎19	15♊ 7	8♊48	3°R 1	22°R54	21♋16	28♌58	n.a.	F 1
S 2	22 21 33	3°21'35	18°52	17°47	16°52	3°45	9°13	21°24	15° 8	8°49	3♓ 0	22♋51	21°12	29° 5	n.a.	S 2
S 3	22 25 29	4°20'49	2♊ 5	19°20	18° 0	4°27	9°22	21°30	15°10	8°49	2°59	22°D50	21° 9	29°12	n.a.	S 3
M 4	22 29 26	5°20'06	14°53	20°52	19° 9	5°10	9°32	21°35	15°11	8°50	2°57	22°50	21° 6	29°18	n.a.	M 4
T 5	22 33 22	6°19'25	27°20	22°24	20°17	5°54	9°41	21°41	15°12	8°50	2°56	22°52	21° 3	29°25	n.a.	T 5
W 6	22 37 19	7°18'46	9♋31	23°54	21°26	6°37	9°50	21°46	15°13	8°51	2°55	22°53	21° 0	29°32	n.a.	W 6
T 7	22 41 15	8°18'10	21°31	25°24	22°34	7°20	10° 0	21°52	15°14	8°51	2°54	22°R54	20°57	29°39	n.a.	T 7
F 8	22 45 12	9°17'36	3♌23	26°53	23°42	8° 3	10° 9	21°58	15°15	8°51	2°53	22°53	20°53	29°45	n.a.	F 8
S 9	22 49 8	10°17'05	15°12	28°22	24°50	8°47	10°19	22° 4	15°16	8°52	2°51	22°51	20°50	29°52	n.a.	S 9
S 10	22 53 5	11°16'35	27° 0	29°49	25°58	9°30	10°29	22° 9	15°17	8°52	2°50	22°46	20°47	29°59	n.a.	S 10
M11	22 57 2	12°16'08	8♍50	1♎16	27° 6	10°14	10°39	22°15	15°18	8°52	2°49	22°38	20°44	0♍ 5	n.a.	M11
T 12	23 0 58	13°15'43	20°43	2°41	28°14	10°58	10°49	22°21	15°19	8°52	2°48	22°29	20°41	0°12	n.a.	T 12
W13	23 4 55	14°15'20	2♎41	4° 6	29°21	11°42	10°59	22°27	15°20	8°52	2°47	22°19	20°37	0°19	n.a.	W13
T 14	23 8 51	15°14'59	14°46	5°30	0♏28	12°26	11° 9	22°33	15°20	8°53	2°46	22° 9	20°34	0°25	n.a.	T 14
F 15	23 12 48	16°14'40	26°59	6°53	1°36	13°10	11°20	22°39	15°21	8°53	2°44	21°59	20°31	0°32	n.a.	F 15
S 16	23 16 44	17°14'23	9♏22	8°15	2°43	13°54	11°30	22°45	15°22	8°53	2°43	21°51	20°28	0°39	n.a.	S 16
S 17	23 20 41	18°14'08	21°57	9°36	3°50	14°38	11°41	22°51	15°22	8°R53	2°42	21°46	20°25	0°45	n.a.	S 17
M18	23 24 37	19°13'55	4♐47	10°56	4°56	15°22	11°51	22°58	15°23	8°53	2°41	21°42	20°22	0°52	n.a.	M18
T 19	23 28 34	20°13'44	17°55	12°15	6° 3	16° 6	12° 2	23° 4	15°23	8°53	2°40	21°D41	20°18	0°59	n.a.	T 19
W20	23 32 30	21°13'34	1♑24	13°33	7° 9	16°51	12°13	23°10	15°23	8°53	2°39	21°42	20°15	1° 5	n.a.	W20
T 21	23 36 27	22°13'27	15°17	14°49	8°16	17°35	12°24	23°17	15°24	8°53	2°38	21°R42	20°12	1°12	n.a.	T 21
F 22	23 40 24	23°13'21	29°33	16° 4	9°22	18°19	12°35	23°23	15°24	8°52	2°37	21°42	20° 9	1°19	n.a.	F 22
S 23	23 44 20	24°13'16	14♒13	17°17	10°27	19° 4	12°46	23°29	15°24	8°52	2°35	21°40	20° 6	1°25	n.a.	S 23
S 24	23 48 17	25°13'14	29°11	18°29	11°33	19°49	12°57	23°36	15°25	8°52	2°34	21°36	20° 3	1°32	n.a.	S 24
M25	23 52 13	26°13'13	14♓21	19°39	12°39	20°33	13° 9	23°42	15°25	8°52	2°33	21°29	19°59	1°39	n.a.	M25
T 26	23 56 10	27°13'15	29°32	20°46	13°44	21°18	13°20	23°49	15°25	8°52	2°32	21°20	19°56	1°45	n.a.	T 26
W27	0 0 6	28°13'18	14♈35	21°52	14°49	22° 3	13°32	23°55	15°R25	8°51	2°31	21° 9	19°53	1°52	n.a.	W27
T 28	0 4 3	29°13'23	29°19	22°55	15°54	22°48	13°43	24° 2	15°25	8°51	2°30	20°59	19°50	1°59	n.a.	T 28
F 29	0 7 59	0♎13'31	13♉37	23°55	16°58	23°33	13°55	24° 8	15°25	8°50	2°29	20°50	19°47	2° 5	n.a.	F 29
S 30	0 11 56	1♎13'41	27♉26	24♎53	18♏ 2	24♏18	14♏ 6	24♎15	15♊24	8♊50	2♓28	20♋43	19♋43	2♍12	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	10n46	8n39	5s 4	5n35	0n 5	7s27	1s18	13s40	1s 4	14s 7	0n37	6s21	2n13	23n 2	0n 8	20n50	1s14	26s18	17s 3	21n46	22n 2	14n56		n.a.
S 2	10 24	13 10	4 40	4 52	0s 2	7 58	1 22	13 56	1 4	14 10	0 37	6 24	2 13	23 2	0 8	20 50	1 14	26 19	17 3	21 47	22 3	14 54		n.a.
S 3	10 2	16 54	4 1	4 8	0 9	8 28	1 26	14 11	1 5	14 13	0 37	6 26	2 13	23 2	0 8	20 50	1 14	26 19	17 3	21 47	22 3	14 52		n.a.
M 4	9 40	19 42	3 12	3 25	0 16	8 59	1 30	14 26	1 5	14 16	0 36	6 28	2 13	23 2	0 8	20 50	1 14	26 20	17 3	21 47	22 4	14 50		n.a.
T 5	9 18	21 29	2 14	2 42	0 23	9 29	1 34	14 41	1 6	14 19	0 36	6 30	2 13	23 3	0 8	20 50	1 14	26 20	17 3	21 47	22 4	14 49		n.a.
W 6	8 56	22 12	1 12	1 59	0 30	9 59	1 38	14 56	1 6	14 23	0 36	6 33	2 13	23 3	0 8	20 50	1 14	26 21	17 3	21 46	22 5	14 47		n.a.
T 7	8 34	21 53	0 7	1 17	0 37	10 28	1 42	15 11	1 7	14 26	0 36	6 35	2 12	23 3	0 8	20 50	1 14	26 21	17 3	21 46	22 5	14 45		n.a.
F 8	8 11	20 34	0n56	0 35	0 44	10 58	1 47	15 26	1 8	14 29	0 36	6 37	2 12	23 3	0 8	20 50	1 14	26 21	17 3	21 46	22 6	14 43		n.a.
S 9	7 48	18 21	1 58	0s 8	0 52	11 27	1 51	15 41	1 8	14 32	0 36	6 39	2 12	23 3	0 8	20 50	1 14	26 22	17 3	21 47	22 6	14 42		n.a.
S 10	7 26	15 23	2 53	0 49	0 59	11 56	1 55	15 55	1 8	14 36	0 35	6 42	2 12	23 3	0 8	20 50	1 14	26 22	17 3	21 48	22 7	14 40		n.a.
M11	7 3	11 47	3 42	1 31	1 6	12 25	1 59	16 10	1 9	14 39	0 35	6 44	2 12	23 3	0 8	20 50	1 14	26 23	17 3	21 49	22 7	14 38		n.a.
T 12	6 40	7 42	4 20	2 12	1 13	12 53	2 3	16 24	1 9	14 42	0 35	6 47	2 12	23 4	0 8	20 50	1 15	26 23	17 3	21 50	22 8	14 36		n.a.
W13	6 16	3 19	4 48	2 52	1 20	13 21	2 7	16 38	1 10	14 46	0 35	6 49	2 11	23 4	0 8	20 50	1 15	26 23	17 3	21 52	22 8	14 35		n.a.
T 14	5 53	1s15	5 3	3 32	1 27	13 49	2 11	16 53	1 10	14 49	0 35	6 51	2 11	23 4	0 8	20 50	1 15	26 24	17 3	21 54	22 9	14 33		n.a.
F 15	5 30	5 48	5 4	4 12	1 34	14 17	2 15	17 7	1 11	14 52	0 34	6 54	2 11	23 4	0 8	20 50	1 15	26 24	17 3	21 55	22 9	14 31		n.a.
S 16	5 6	10 11	4 52	4 51	1 40	14 44	2 19	17 20	1 11	14 56	0 34	6 56	2 11	23 4	0 8	20 50	1 15	26 25	17 3	21 57	22 10	14 29		n.a.
S 17	4 43	14 14	4 25	5 29	1 47	15 11	2 23	17 34	1 12	14 59	0 34	6 59	2 11	23 4	0 8	20 50	1 15	26 25	17 3	21 58	22 10	14 27		n.a.
M18	4 19	17 42	3 44	6 7	1 53	15 38	2 27	17 48	1 12	15 3	0 34	7 1	2 11	23 4	0 8	20 50	1 15	26 25	17 3	21 58	22 11	14 26		n.a.
T 19	3 55	20 21	2 50	6 44	2 0	16 4	2 31	18 1	1 12	15 6	0 34	7 3	2 11	23 4	0 8	20 50	1 15	26 26	17 3	21 58	22 11	14 24		n.a.
W20	3 31	21 58	1 46	7 20	2 6	16 30	2 34	18 15	1 13	15 10	0 34	7 6	2 10	23 4	0 8	20 50	1 15	26 26	17 2	21 58	22 12	14 22		n.a.
T 21	3 7	22 17	0 34	7 56	2 12	16 56	2 38	18 28	1 13	15 13	0 33	7 8	2 10	23 4	0 8	20 50	1 15	26 26	17 2	21 58	22 12	14 20		n.a.
F 22	2 43	21 11	0s42	8 30	2 17	17 21	2 42	18 41	1 14	15 17	0 33	7 11	2 10	23 4	0 8	20 50	1 15	26 27	17 2	21 58	22 13	14 18		n.a.
S 23	2 19	18 38	1 57	9 4	2 23	17 45	2 45	18 54	1 14	15 21	0 33	7 13	2 10	23 4	0 8	20 50	1 15	26 27	17 2	21 58	22 13	14 17		n.a.
S 24	1 55	14 48	3 6	9 36	2 28	18 10	2 49	19 6	1 14	15 24	0 33	7 16	2 10	23 4	0 8	20 50	1 15	26 27	17 2	21 59	22 14	14 15		n.a.
M25	1 31	9 57	4 2	10 8	2 33	18 34	2 52	19 19	1 15	15 28	0 33	7 18	2 10	23 4	0 8	20 49	1 15	26 27	17 2	22 0	22 14	14 13		n.a.
T 26	1 7	4 29	4 41	10 38	2 37	18 57	2 56	19 31	1 15	15 31	0 33	7 21	2 10	23 4	0 8	20 49	1 15	26 28	17 2	22 2	22 14	14 11		n.a.
W27	0 43	1n12	5 1	11 7	2 41	19 20	2 59	19 43	1 15	15 35	0 32	7 23	2 10	23 4	0 9	20 49	1 15	26 28	17 2	22 3	22 15	14 9		n.a.
T 28	0 19	6 42	5 0	11 34	2 45	19 43	3 2	19 55	1 16	15 39	0 32	7 26	2 10	23 4	0 9	20 49	1 15	26 28	17 1	22 5	22 15	14 7		n.a.
F 29	0s 5	11 41	4 39	12 0	2 48	20 5	3 6	20 7	1 16	15 42	0 32	7 29	2 9	23 4	0 9	20 49	1 15	26 28	17 1	22 6	22 16	14 6		n.a.
S 30	0s30	15n53	4s 3	12s24	2s51	20s26	3s 9	20s19	1s16	15s46	0n32	7s31	2n 9	23n 4	0n 9	20n49	1s15	26s29	17s 1	22n 7	22n16	14n 4		n.a.

Julian Day Number = 1574835.5, Delta T = 04h15m16s
Ecliptic obliquity = 23°44'35, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'52, Lahiri = - 9°29'52 Julian Calendar 1 Sept. 402 BCE == Greg. Calendar 27 Aug. 402 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

OCTOBER 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 15 53	2♎13'53	10♊46	25♎46	19♏ 6	25♏ 3	14♏18	24♎22	15°R24	8°R50	2°R27	20°R39	19♋40	2♍19	n.a.	S 1
M 2	0 19 49	3°14'07	23°37	26°37	20°10	25°48	14°30	24°28	15♊24	8♊49	2♓26	20♋37	19°37	2°25	n.a.	M 2
T 3	0 23 46	4°14'23	6♋ 6	27°22	21°14	26°33	14°42	24°35	15°24	8°49	2°25	20°D37	19°34	2°32	n.a.	T 3
W 4	0 27 42	5°14'42	18°16	28° 3	22°17	27°18	14°54	24°42	15°23	8°48	2°24	20°R37	19°31	2°39	n.a.	W 4
T 5	0 31 39	6°15'03	0♌13	28°39	23°20	28° 4	15° 6	24°49	15°23	8°48	2°23	20°36	19°28	2°46	n.a.	T 5
F 6	0 35 35	7°15'25	12° 3	29° 9	24°23	28°49	15°18	24°55	15°22	8°47	2°22	20°34	19°24	2°52	n.a.	F 6
S 7	0 39 32	8°15'50	23°51	29°33	25°25	29°35	15°30	25° 2	15°22	8°46	2°21	20°30	19°21	2°59	n.a.	S 7
S 8	0 43 28	9°16'17	5♍40	29°49	26°27	0♐20	15°43	25° 9	15°21	8°46	2°20	20°23	19°18	3° 6	n.a.	S 8
M 9	0 47 25	10°16'45	17°33	29°58	27°29	1° 6	15°55	25°16	15°21	8°45	2°19	20°12	19°15	3°12	n.a.	M 9
T 10	0 51 21	11°17'16	29°33	29°R58	28°31	1°51	16° 7	25°23	15°20	8°44	2°18	20° 0	19°12	3°19	n.a.	T 10
W11	0 55 18	12°17'48	11♎41	29°49	29°32	2°37	16°20	25°30	15°19	8°43	2°18	19°45	19° 8	3°26	n.a.	W11
T 12	0 59 15	13°18'22	23°59	29°30	0♐33	3°23	16°32	25°37	15°18	8°43	2°17	19°31	19° 5	3°32	n.a.	T 12
F 13	1 3 11	14°18'57	6♏26	29° 1	1°33	4° 8	16°45	25°44	15°18	8°42	2°16	19°17	19° 2	3°39	n.a.	F 13
S 14	1 7 8	15°19'34	19° 3	28°22	2°33	4°54	16°58	25°50	15°17	8°41	2°15	19° 5	18°59	3°46	n.a.	S 14
S 15	1 11 4	16°20'13	1♐51	27°33	3°33	5°40	17°10	25°57	15°16	8°40	2°14	18°57	18°56	3°52	n.a.	S 15
M16	1 15 1	17°20'53	14°50	26°34	4°32	6°26	17°23	26° 4	15°15	8°39	2°13	18°51	18°53	3°59	n.a.	M16
T 17	1 18 57	18°21'34	28° 2	25°27	5°31	7°12	17°36	26°11	15°14	8°38	2°13	18°48	18°49	4° 6	n.a.	T 17
W18	1 22 54	19°22'17	11♑29	24°13	6°29	7°58	17°49	26°18	15°13	8°37	2°12	18°47	18°46	4°12	n.a.	W18
T 19	1 26 50	20°23'01	25°13	22°54	7°27	8°44	18° 2	26°25	15°12	8°36	2°11	18°47	18°43	4°19	n.a.	T 19
F 20	1 30 47	21°23'46	9♒16	21°33	8°25	9°30	18°15	26°32	15°10	8°35	2°10	18°46	18°40	4°26	n.a.	F 20
S 21	1 34 44	22°24'32	23°36	20°12	9°21	10°16	18°28	26°39	15° 9	8°34	2°10	18°44	18°37	4°32	n.a.	S 21
S 22	1 38 40	23°25'20	8♓12	18°53	10°18	11° 2	18°41	26°46	15° 8	8°33	2° 9	18°39	18°34	4°39	n.a.	S 22
M23	1 42 37	24°26'08	23° 0	17°41	11°14	11°48	18°54	26°53	15° 6	8°32	2° 8	18°31	18°30	4°46	n.a.	M23
T 24	1 46 33	25°26'57	7♈52	16°36	12° 9	12°35	19° 7	27° 0	15° 5	8°31	2° 8	18°20	18°27	4°53	n.a.	T 24
W25	1 50 30	26°27'48	22°40	15°41	13° 3	13°21	19°20	27° 7	15° 4	8°30	2° 7	18° 9	18°24	4°59	n.a.	W25
T 26	1 54 26	27°28'40	7♉16	14°56	13°57	14° 7	19°33	27°14	15° 2	8°29	2° 7	17°57	18°21	5° 6	n.a.	T 26
F 27	1 58 23	28°29'34	21°31	14°23	14°51	14°54	19°47	27°21	15° 1	8°27	2° 6	17°46	18°18	5°13	n.a.	F 27
S 28	2 2 19	29°30'29	5♊21	14° 1	15°43	15°40	20° 0	27°28	14°59	8°26	2° 5	17°37	18°14	5°19	n.a.	S 28
S 29	2 6 16	0♏31'25	18°43	13°D51	16°35	16°26	20°13	27°35	14°58	8°25	2° 5	17°32	18°11	5°26	n.a.	S 29
M30	2 10 13	1°32'23	1♋39	13°52	17°27	17°13	20°27	27°43	14°56	8°24	2° 4	17°29	18° 8	5°33	n.a.	M30
T 31	2 14 9	2♏33'22	14♋12	14♎ 3	18♐17	17♐59	20♏40	27♎50	14♊54	8♊22	2♓ 4	17°D28	18♋ 5	5♍39	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
S 1	0s54	19n 7	3s15	12s46	2s53	20s47	3s12	20s30	1s16	15s50	0n32	7s34	2n 9	23n 4	0n 9	20n49	1s15	26s29	17s 1	22n 8	22n17	14n 2			n.a.
M 2	1 18	21 17	2 18	13 5	2 54	21 8	3 15	20 42	1 17	15 53	0 32	7 36	2 9	23 4	0 9	20 49	1 15	26 29	17 1	22 8	22 17	14 0			n.a.
T 3	1 42	22 20	1 16	13 23	2 55	21 28	3 18	20 53	1 17	15 57	0 31	7 39	2 9	23 4	0 9	20 49	1 15	26 29	17 0	22 8	22 18	13 58			n.a.
W 4	2 7	22 16	0 12	13 38	2 55	21 48	3 20	21 4	1 17	16 1	0 31	7 41	2 9	23 4	0 9	20 49	1 15	26 30	17 0	22 8	22 18	13 56			n.a.
T 5	2 31	21 11	0n51	13 50	2 54	22 7	3 23	21 14	1 17	16 4	0 31	7 44	2 9	23 4	0 9	20 49	1 15	26 30	17 0	22 8	22 19	13 55			n.a.
F 6	2 55	19 10	1 51	13 59	2 52	22 25	3 26	21 25	1 18	16 8	0 31	7 47	2 9	23 4	0 9	20 48	1 15	26 30	17 0	22 9	22 19	13 53			n.a.
S 7	3 19	16 21	2 46	14 5	2 49	22 43	3 28	21 35	1 18	16 12	0 31	7 49	2 9	23 4	0 9	20 48	1 15	26 30	17 0	22 9	22 20	13 51			n.a.
S 8	3 43	12 52	3 34	14 7	2 45	23 1	3 31	21 45	1 18	16 16	0 31	7 52	2 9	23 4	0 9	20 48	1 15	26 30	16 59	22 11	22 20	13 49			n.a.
M 9	4 7	8 51	4 13	14 5	2 39	23 18	3 33	21 55	1 18	16 19	0 31	7 54	2 8	23 4	0 9	20 48	1 15	26 30	16 59	22 12	22 21	13 47			n.a.
T 10	4 31	4 28	4 41	13 58	2 32	23 34	3 35	22 5	1 19	16 23	0 30	7 57	2 8	23 4	0 9	20 48	1 15	26 30	16 59	22 14	22 21	13 45			n.a.
W11	4 55	0s 8	4 57	13 47	2 24	23 50	3 37	22 14	1 19	16 27	0 30	7 59	2 8	23 4	0 9	20 48	1 15	26 31	16 59	22 16	22 21	13 43			n.a.
T 12	5 19	4 48	4 59	13 31	2 13	24 5	3 39	22 23	1 19	16 31	0 30	8 2	2 8	23 4	0 9	20 48	1 15	26 31	16 58	22 18	22 22	13 41			n.a.
F 13	5 43	9 20	4 47	13 9	2 1	24 20	3 41	22 32	1 19	16 34	0 30	8 5	2 8	23 4	0 9	20 47	1 15	26 31	16 58	22 20	22 22	13 39			n.a.
S 14	6 7	13 32	4 20	12 42	1 48	24 34	3 42	22 41	1 19	16 38	0 30	8 7	2 8	23 4	0 9	20 47	1 15	26 31	16 58	22 22	22 23	13 38			n.a.
S 15	6 30	17 11	3 41	12 10	1 32	24 47	3 44	22 49	1 19	16 42	0 30	8 10	2 8	23 4	0 9	20 47	1 16	26 31	16 58	22 23	22 23	13 36			n.a.
M16	6 54	20 4	2 49	11 33	1 15	25 0	3 45	22 58	1 20	16 46	0 30	8 12	2 8	23 4	0 9	20 47	1 16	26 31	16 57	22 24	22 24	13 34			n.a.
T 17	7 17	21 56	1 47	10 51	0 57	25 12	3 46	23 6	1 20	16 50	0 29	8 15	2 8	23 4	0 9	20 47	1 16	26 31	16 57	22 24	22 24	13 32			n.a.
W18	7 40	22 36	0 38	10 5	0 37	25 24	3 47	23 14	1 20	16 53	0 29	8 18	2 8	23 3	0 9	20 47	1 16	26 31	16 57	22 24	22 25	13 30			n.a.
T 19	8 4	21 55	0s34	9 17	0 17	25 35	3 48	23 21	1 20	16 57	0 29	8 20	2 8	23 3	0 9	20 46	1 16	26 31	16 57	22 24	22 25	13 28			n.a.
F 20	8 27	19 52	1 46	8 27	0n 4	25 45	3 49	23 28	1 20	17 1	0 29	8 23	2 8	23 3	0 9	20 46	1 16	26 31	16 56	22 25	22 25	13 26			n.a.
S 21	8 50	16 32	2 53	7 37	0 24	25 55	3 50	23 36	1 20	17 5	0 29	8 25	2 8	23 3	0 9	20 46	1 16	26 31	16 56	22 25	22 26	13 24			n.a.
S 22	9 13	12 8	3 49	6 49	0 44	26 4	3 50	23 42	1 20	17 8	0 29	8 28	2 8	23 3	0 9	20 46	1 16	26 31	16 56	22 26	22 26	13 22			n.a.
M23	9 35	6 58	4 31	6 3	1 3	26 12	3 50	23 49	1 20	17 12	0 29	8 31	2 8	23 3	0 9	20 46	1 16	26 31	16 56	22 27	22 27	13 20			n.a.
T 24	9 58	1 21	4 55	5 22	1 21	26 20	3 50	23 55	1 20	17 16	0 29	8 33	2 8	23 3	0 9	20 45	1 16	26 31	16 55	22 28	22 27	13 18			n.a.
W25	10 20	4n18	4 59	4 46	1 36	26 27	3 50	24 1	1 20	17 20	0 28	8 36	2 8	23 3	0 9	20 45	1 16	26 31	16 55	22 30	22 28	13 17			n.a.
T 26	10 42	9 39	4 44	4 16	1 50	26 34	3 50	24 7	1 20	17 23	0 28	8 38	2 8	23 2	0 9	20 45	1 16	26 31	16 55	22 31	22 28	13 15			n.a.
F 27	11 4	14 20	4 10	3 52	2 2	26 40	3 49	24 12	1 20	17 27	0 28	8 41	2 8	23 2	0 9	20 45	1 16	26 31	16 54	22 33	22 29	13 13			n.a.
S 28	11 26	18 8	3 23	3 35	2 11	26 45	3 49	24 18	1 20	17 31	0 28	8 43	2 8	23 2	0 9	20 45	1 16	26 31	16 54	22 34	22 29	13 11			n.a.
S 29	11 48	20 50	2 26	3 24	2 19	26 50	3 48	24 23	1 21	17 35	0 28	8 46	2 8	23 2	0 9	20 44	1 16	26 31	16 54	22 35	22 29	13 9			n.a.
M30	12 10	22 21	1 23	3 19	2 25	26 54	3 46	24 27	1 21	17 38	0 28	8 49	2 7	23 2	0 9	20 44	1 16	26 31	16 53	22 35	22 30	13 7			n.a.
T 31	12s31	22n41	0s17	3s19	2n29	26s57	3s45	24s32	1s21	17s42	0n28	8s51	2n 7	23n 2	0n 9	20n44	1s16	26s31	16s53	22n35	22n30	13n 5			n.a.

Julian Day Number = 1574865.5, Delta T = 04h15m14s
Ecliptic obliquity = 23°44'35, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'48, Lahiri = - 9°29'48 Julian Calendar 1 Oct. 402 BCE == Greg. Calendar 26 Sept. 402 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

NOVEMBER 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	2 18 6	3♏34'22	26♋25	14♎24	19♐ 7	18♐46	20♏54	27♎57	14°R52	8°R21	2°R 3	17♋28	18♋ 2	5♍46	n.a.	W 1
T 2	2 22 2	4°35'24	8♌25	14°53	19°56	19°32	21° 7	28° 4	14♊51	8♊20	2♓ 3	17°R28	17°59	5°53	n.a.	T 2
F 3	2 25 59	5°36'27	20°16	15°30	20°44	20°19	21°21	28°11	14°49	8°18	2° 2	17°27	17°55	5°59	n.a.	F 3
S 4	2 29 55	6°37'31	2♍ 5	16°14	21°31	21° 6	21°34	28°18	14°47	8°17	2° 2	17°23	17°52	6° 6	n.a.	S 4
S 5	2 33 52	7°38'37	13°55	17° 4	22°18	21°52	21°48	28°24	14°45	8°16	2° 2	17°18	17°49	6°13	n.a.	S 5
M 6	2 37 48	8°39'43	25°52	17°59	23° 3	22°39	22° 1	28°31	14°43	8°14	2° 1	17° 9	17°46	6°19	n.a.	M 6
T 7	2 41 45	9°40'51	7♎59	18°59	23°47	23°25	22°15	28°38	14°41	8°13	2° 1	16°58	17°43	6°26	n.a.	T 7
W 8	2 45 42	10°42'00	20°17	20° 3	24°31	24°12	22°29	28°45	14°39	8°11	2° 1	16°46	17°39	6°33	n.a.	W 8
T 9	2 49 38	11°43'09	2♏48	21°11	25°13	24°59	22°42	28°52	14°37	8°10	2° 0	16°33	17°36	6°40	n.a.	T 9
F 10	2 53 35	12°44'20	15°33	22°22	25°54	25°46	22°56	28°59	14°35	8° 8	2° 0	16°21	17°33	6°46	n.a.	F 10
S 11	2 57 31	13°45'31	28°30	23°35	26°34	26°32	23°10	29° 6	14°33	8° 7	2° 0	16°11	17°30	6°53	n.a.	S 11
S 12	3 1 28	14°46'43	11♐39	24°51	27°13	27°19	23°23	29°13	14°31	8° 5	1°59	16° 4	17°27	7° 0	n.a.	S 12
M13	3 5 24	15°47'55	24°58	26° 9	27°50	28° 6	23°37	29°20	14°29	8° 4	1°59	15°59	17°24	7° 6	n.a.	M13
T 14	3 9 21	16°49'08	8♑28	27°28	28°26	28°53	23°51	29°27	14°27	8° 2	1°59	15°57	17°20	7°13	n.a.	T 14
W15	3 13 17	17°50'22	22° 7	28°49	29° 1	29°40	24° 5	29°33	14°24	8° 1	1°59	15°D57	17°17	7°20	n.a.	W15
T 16	3 17 14	18°51'35	5♒56	0♏12	29°35	0♑26	24°19	29°40	14°22	7°59	1°59	15°57	17°14	7°26	n.a.	T 16
F 17	3 21 11	19°52'49	19°55	1°35	0♑ 6	1°13	24°32	29°47	14°20	7°57	1°59	15°R58	17°11	7°33	n.a.	F 17
S 18	3 25 7	20°54'03	4♓ 3	3° 0	0°37	2° 0	24°46	29°54	14°18	7°56	1°59	15°57	17° 8	7°40	n.a.	S 18
S 19	3 29 4	21°55'17	18°19	4°25	1° 5	2°47	25° 0	0♏ 0	14°15	7°54	1°58	15°54	17° 5	7°46	n.a.	S 19
M20	3 33 0	22°56'30	2♈42	5°52	1°32	3°34	25°14	0° 7	14°13	7°53	1°58	15°49	17° 1	7°53	n.a.	M20
T 21	3 36 57	23°57'45	17° 6	7°18	1°57	4°21	25°28	0°14	14°10	7°51	1°58	15°42	16°58	8° 0	n.a.	T 21
W22	3 40 53	24°58'59	1♉26	8°46	2°21	5° 8	25°41	0°20	14° 8	7°49	1°D58	15°33	16°55	8° 7	n.a.	W22
T 23	3 44 50	26° 0'13	15°37	10°14	2°42	5°55	25°55	0°27	14° 6	7°48	1°58	15°25	16°52	8°13	n.a.	T 23
F 24	3 48 47	27° 1'28	29°33	11°43	3° 2	6°42	26° 9	0°33	14° 3	7°46	1°58	15°17	16°49	8°20	n.a.	F 24
S 25	3 52 43	28° 2'43	13♊11	13°12	3°19	7°29	26°23	0°40	14° 1	7°44	1°59	15°11	16°45	8°27	n.a.	S 25
S 26	3 56 40	29° 3'58	26°27	14°41	3°35	8°16	26°37	0°46	13°58	7°43	1°59	15° 7	16°42	8°33	n.a.	S 26
M27	4 0 36	0♐ 5'13	9♋21	16°11	3°48	9° 2	26°51	0°53	13°56	7°41	1°59	15°D 5	16°39	8°40	n.a.	M27
T 28	4 4 33	1° 6'29	21°54	17°42	3°59	9°49	27° 4	0°59	13°53	7°39	1°59	15° 5	16°36	8°47	n.a.	T 28
W29	4 8 29	2° 7'44	4♌10	19°13	4° 8	10°36	27°18	1° 6	13°51	7°37	1°59	15° 6	16°33	8°53	n.a.	W29
T 30	4 12 26	3♐ 9'00	16♌12	20♏44	4♑14	11♑23	27♏32	1♏12	13♊48	7♊36	1♓59	15♋ 8	16♋30	9♍ 0	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	12s52	21n55	0n47	3s25	2n32	27s 0	3s44	24s36	1s21	17s46	0n28	8s54	2n 7	23n 1	0n 9	20n44	1s16	26s31	16s53	22n35	22n31	13n 3		n.a.
T 2	13 13	20 8	1 49	3 35	2 33	27 2	3 42	24 40	1 21	17 49	0 27	8 56	2 7	23 1	0 9	20 43	1 16	26 30	16 52	22 35	22 31	13 1		n.a.
F 3	13 33	17 31	2 45	3 49	2 33	27 4	3 40	24 43	1 20	17 53	0 27	8 59	2 7	23 1	0 9	20 43	1 16	26 30	16 52	22 35	22 32	12 59		n.a.
S 4	13 54	14 11	3 34	4 7	2 32	27 5	3 37	24 47	1 20	17 57	0 27	9 1	2 7	23 1	0 9	20 43	1 16	26 30	16 52	22 36	22 32	12 57		n.a.
S 5	14 14	10 17	4 13	4 28	2 30	27 5	3 35	24 50	1 20	18 1	0 27	9 4	2 7	23 1	0 9	20 43	1 16	26 30	16 51	22 37	22 32	12 55		n.a.
M 6	14 34	5 58	4 42	4 52	2 27	27 5	3 32	24 52	1 20	18 4	0 27	9 6	2 7	23 0	0 9	20 43	1 16	26 30	16 51	22 38	22 33	12 53		n.a.
T 7	14 54	1 22	4 59	5 19	2 24	27 4	3 29	24 55	1 20	18 8	0 27	9 9	2 7	23 0	0 9	20 42	1 16	26 30	16 51	22 39	22 33	12 51		n.a.
W 8	15 13	3s22	5 2	5 47	2 20	27 3	3 25	24 57	1 20	18 11	0 27	9 11	2 7	23 0	0 9	20 42	1 16	26 29	16 50	22 41	22 34	12 49		n.a.
T 9	15 33	8 3	4 50	6 17	2 15	27 1	3 22	24 59	1 20	18 15	0 27	9 14	2 7	23 0	0 9	20 42	1 16	26 29	16 50	22 42	22 34	12 47		n.a.
F 10	15 51	12 29	4 25	6 48	2 10	26 58	3 18	25 0	1 20	18 19	0 27	9 16	2 7	23 0	0 9	20 42	1 16	26 29	16 50	22 44	22 34	12 45		n.a.
S 11	16 10	16 26	3 45	7 21	2 4	26 55	3 14	25 2	1 20	18 22	0 26	9 18	2 8	22 59	0 9	20 41	1 16	26 29	16 49	22 45	22 35	12 43		n.a.
S 12	16 29	19 37	2 52	7 55	1 58	26 52	3 9	25 3	1 20	18 26	0 26	9 21	2 8	22 59	0 9	20 41	1 16	26 29	16 49	22 46	22 35	12 41		n.a.
M13	16 47	21 49	1 50	8 29	1 52	26 48	3 4	25 4	1 20	18 29	0 26	9 23	2 8	22 59	0 9	20 41	1 16	26 28	16 49	22 46	22 36	12 39		n.a.
T 14	17 4	22 48	0 40	9 4	1 45	26 43	2 59	25 4	1 20	18 33	0 26	9 26	2 8	22 59	0 9	20 41	1 16	26 28	16 48	22 47	22 36	12 37		n.a.
W15	17 22	22 27	0s33	9 40	1 39	26 38	2 53	25 4	1 20	18 37	0 26	9 28	2 8	22 58	0 9	20 40	1 16	26 28	16 48	22 47	22 37	12 35		n.a.
T 16	17 39	20 43	1 45	10 15	1 32	26 32	2 48	25 4	1 19	18 40	0 26	9 30	2 8	22 58	0 9	20 40	1 16	26 28	16 48	22 47	22 37	12 33		n.a.
F 17	17 56	17 44	2 52	10 51	1 25	26 26	2 41	25 4	1 19	18 44	0 26	9 33	2 8	22 58	0 9	20 40	1 16	26 27	16 47	22 46	22 37	12 31		n.a.
S 18	18 12	13 41	3 48	11 27	1 18	26 19	2 35	25 3	1 19	18 47	0 26	9 35	2 8	22 58	0 9	20 40	1 16	26 27	16 47	22 47	22 38	12 29		n.a.
S 19	18 29	8 50	4 32	12 3	1 10	26 12	2 28	25 2	1 19	18 51	0 26	9 38	2 8	22 57	0 9	20 39	1 16	26 27	16 47	22 47	22 38	12 27		n.a.
M20	18 45	3 28	4 58	12 39	1 3	26 5	2 21	25 0	1 19	18 54	0 26	9 40	2 8	22 57	0 9	20 39	1 16	26 26	16 46	22 48	22 39	12 25		n.a.
T 21	19 0	2n 5	5 6	13 15	0 56	25 57	2 13	24 59	1 19	18 58	0 25	9 42	2 8	22 57	0 9	20 39	1 16	26 26	16 46	22 48	22 39	12 23		n.a.
W22	19 15	7 31	4 55	13 50	0 49	25 48	2 5	24 57	1 18	19 1	0 25	9 44	2 8	22 57	0 9	20 38	1 16	26 26	16 46	22 49	22 39	12 21		n.a.
T 23	19 30	12 30	4 25	14 25	0 41	25 39	1 56	24 55	1 18	19 4	0 25	9 47	2 8	22 56	0 9	20 38	1 16	26 25	16 45	22 50	22 40	12 19		n.a.
F 24	19 44	16 44	3 40	15 0	0 34	25 30	1 47	24 52	1 18	19 8	0 25	9 49	2 8	22 56	0 9	20 38	1 16	26 25	16 45	22 51	22 40	12 17		n.a.
S 25	19 59	19 58	2 43	15 34	0 27	25 20	1 38	24 49	1 18	19 11	0 25	9 51	2 8	22 56	0 9	20 38	1 16	26 25	16 44	22 52	22 41	12 15		n.a.
S 26	20 12	22 3	1 39	16 8	0 19	25 10	1 28	24 46	1 18	19 14	0 25	9 53	2 8	22 55	0 9	20 37	1 16	26 24	16 44	22 52	22 41	12 13		n.a.
M27	20 26	22 54	0 31	16 42	0 12	24 59	1 18	24 43	1 17	19 18	0 25	9 56	2 8	22 55	0 9	20 37	1 16	26 24	16 44	22 53	22 41	12 11		n.a.
T 28	20 38	22 33	0n37	17 14	0 5	24 48	1 7	24 39	1 17	19 21	0 25	9 58	2 8	22 55	0 9	20 37	1 16	26 24	16 43	22 53	22 42	12 8		n.a.
W29	20 51	21 6	1 42	17 47	0s 2	24 37	0 56	24 36	1 17	19 24	0 25	10 0	2 8	22 55	0 9	20 37	1 16	26 23	16 43	22 53	22 42	12 6		n.a.
T 30	21s 3	18n44	2n41	18s18	0s 9	24s25	0s45	24s31	1s17	19s28	0n25	10s 2	2n 8	22n54	0n10	20n36	1s16	26s23	16s43	22n52	22n43	12n 4		n.a.

Julian Day Number = 1574896.5, Delta T = 04h15m13s
Ecliptic obliquity = 23°44'35, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'44, Lahiri = - 9°29'43 Julian Calendar 1 Nov. 402 BCE == Greg. Calendar 27 Oct. 402 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 402 BCE
geocentric

DECEMBER 402 BCE (-401) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	4 16 22	4♐10'17	28♌ 6	22♏15	4♑18	12♑10	27♏46	1♏18	13°R46	7°R34	1♓59	15♋ 9	16♋26	9♍ 7	n.a.	F 1
S 2	4 20 19	5°11'33	9♍56	23°47	4°R20	12°57	28° 0	1°25	13♊43	7♊32	2° 0	15°R 9	16°23	9°13	n.a.	S 2
S 3	4 24 16	6°12'49	21°48	25°19	4°19	13°44	28°13	1°31	13°41	7°31	2° 0	15° 7	16°20	9°20	n.a.	S 3
M 4	4 28 12	7°14'06	3♎47	26°52	4°16	14°31	28°27	1°37	13°38	7°29	2° 0	15° 4	16°17	9°27	n.a.	M 4
T 5	4 32 9	8°15'22	15°56	28°25	4°10	15°18	28°41	1°43	13°35	7°27	2° 1	14°59	16°14	9°34	n.a.	T 5
W 6	4 36 5	9°16'39	28°20	29°58	4° 2	16° 5	28°55	1°49	13°33	7°26	2° 1	14°53	16°11	9°40	n.a.	W 6
T 7	4 40 2	10°17'55	11♏ 1	1♐32	3°51	16°52	29° 8	1°55	13°30	7°24	2° 1	14°47	16° 7	9°47	n.a.	T 7
F 8	4 43 58	11°19'12	23°59	3° 6	3°38	17°39	29°22	2° 1	13°28	7°22	2° 2	14°41	16° 4	9°54	n.a.	F 8
S 9	4 47 55	12°20'28	7♐15	4°40	3°22	18°26	29°36	2° 7	13°25	7°20	2° 2	14°36	16° 1	10° 0	n.a.	S 9
S 10	4 51 51	13°21'43	20°48	6°15	3° 4	19°13	29°49	2°13	13°22	7°19	2° 2	14°32	15°58	10° 7	n.a.	S 10
M11	4 55 48	14°22'59	4♑34	7°51	2°43	20° 0	0♐ 3	2°19	13°20	7°17	2° 3	14°30	15°55	10°14	n.a.	M11
T 12	4 59 45	15°24'13	18°30	9°27	2°21	20°46	0°17	2°25	13°17	7°15	2° 3	14°D30	15°51	10°20	n.a.	T 12
W13	5 3 41	16°25'27	2♒34	11° 3	1°56	21°33	0°30	2°30	13°15	7°14	2° 4	14°31	15°48	10°27	n.a.	W13
T 14	5 7 38	17°26'40	16°43	12°40	1°28	22°20	0°44	2°36	13°12	7°12	2° 4	14°32	15°45	10°34	n.a.	T 14
F 15	5 11 34	18°27'52	0♓54	14°17	0°59	23° 7	0°57	2°42	13° 9	7°10	2° 5	14°34	15°42	10°41	n.a.	F 15
S 16	5 15 31	19°29'03	15° 4	15°54	0°29	23°54	1°11	2°47	13° 7	7° 9	2° 5	14°R35	15°39	10°47	n.a.	S 16
S 17	5 19 27	20°30'14	29°13	17°33	29♐56	24°41	1°25	2°53	13° 4	7° 7	2° 6	14°34	15°36	10°54	n.a.	S 17
M18	5 23 24	21°31'23	13♈18	19°12	29°23	25°28	1°38	2°58	13° 2	7° 5	2° 7	14°33	15°32	11° 1	n.a.	M18
T 19	5 27 21	22°32'31	27°18	20°51	28°48	26°14	1°51	3° 3	12°59	7° 4	2° 7	14°31	15°29	11° 7	n.a.	T 19
W20	5 31 17	23°33'38	11♉ 9	22°31	28°12	27° 1	2° 5	3° 9	12°57	7° 2	2° 8	14°28	15°26	11°14	n.a.	W20
T 21	5 35 14	24°34'44	24°50	24°11	27°35	27°48	2°18	3°14	12°54	7° 1	2° 9	14°25	15°23	11°21	n.a.	T 21
F 22	5 39 10	25°35'49	8♊19	25°52	26°58	28°35	2°31	3°19	12°51	6°59	2° 9	14°22	15°20	11°27	n.a.	F 22
S 23	5 43 7	26°36'53	21°33	27°34	26°21	29°21	2°45	3°24	12°49	6°57	2°10	14°20	15°17	11°34	n.a.	S 23
S 24	5 47 3	27°37'56	4♋32	29°16	25°44	0♒ 8	2°58	3°29	12°46	6°56	2°11	14°19	15°13	11°41	n.a.	S 24
M25	5 51 0	28°38'58	17°14	0♑59	25° 7	0°55	3°11	3°34	12°44	6°54	2°11	14°D18	15°10	11°48	n.a.	M25
T 26	5 54 56	29°39'59	29°42	2°42	24°31	1°42	3°24	3°39	12°42	6°53	2°12	14°19	15° 7	11°54	n.a.	T 26
W27	5 58 53	0♑40'59	11♌55	4°26	23°56	2°28	3°37	3°44	12°39	6°51	2°13	14°20	15° 4	12° 1	n.a.	W27
T 28	6 2 50	1°41'58	23°58	6°11	23°21	3°15	3°50	3°49	12°37	6°50	2°14	14°21	15° 1	12° 8	n.a.	T 28
F 29	6 6 46	2°42'57	5♍52	7°56	22°49	4° 1	4° 3	3°53	12°34	6°48	2°15	14°23	14°57	12°14	n.a.	F 29
S 30	6 10 43	3°43'54	17°44	9°41	22°17	4°48	4°16	3°58	12°32	6°47	2°16	14°23	14°54	12°21	n.a.	S 30
S 31	6 14 39	4♑44'51	29♍36	11♑27	21♐48	5♒35	4♐29	4♏ 3	12♊30	6♊45	2♓16	14°R24	14♋51	12♍28	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	21 s15	15n36	3n32	18 s49	0 s15	24 s13	0 s33	24 s27	1 s16	19 s31	0n24	10 s 4	2n 8	22n54	0n10	20n36	1 s16	26 s22	16 s42	22n52	22n43	12n 2		n.a.
S 2	21 26	11 51	4 14	19 19	0 22	24 1	0 21	24 22	1 16	19 34	0 24	10 6	2 9	22 54	0 10	20 36	1 16	26 22	16 42	22 52	22 43	12 0		n.a.
S 3	21 37	7 39	4 46	19 48	0 29	23 48	0 8	24 17	1 16	19 37	0 24	10 8	2 9	22 53	0 10	20 35	1 16	26 21	16 42	22 52	22 44	11 58		n.a.
M 4	21 48	3 8	5 5	20 16	0 35	23 35	0n 5	24 12	1 16	19 40	0 24	10 11	2 9	22 53	0 10	20 35	1 16	26 21	16 41	22 53	22 44	11 56		n.a.
T 5	21 58	1 s35	5 11	20 44	0 41	23 22	0 18	24 6	1 15	19 44	0 24	10 13	2 9	22 53	0 10	20 35	1 16	26 21	16 41	22 53	22 45	11 54		n.a.
W 6	22 7	6 19	5 2	21 11	0 48	23 9	0 32	24 0	1 15	19 47	0 24	10 15	2 9	22 52	0 10	20 35	1 16	26 20	16 40	22 54	22 45	11 52		n.a.
T 7	22 17	10 54	4 39	21 36	0 54	22 55	0 46	23 54	1 15	19 50	0 24	10 17	2 9	22 52	0 10	20 34	1 16	26 20	16 40	22 55	22 45	11 50		n.a.
F 8	22 25	15 7	4 1	22 1	0 59	22 41	1 1	23 48	1 15	19 53	0 24	10 19	2 9	22 52	0 10	20 34	1 16	26 19	16 40	22 55	22 46	11 48		n.a.
S 9	22 34	18 41	3 9	22 24	1 5	22 26	1 16	23 41	1 14	19 56	0 24	10 21	2 9	22 51	0 10	20 34	1 16	26 19	16 39	22 56	22 46	11 46		n.a.
S 10	22 42	21 19	2 6	22 47	1 10	22 12	1 31	23 34	1 14	19 59	0 24	10 22	2 9	22 51	0 10	20 34	1 16	26 18	16 39	22 56	22 46	11 43		n.a.
M11	22 49	22 46	0 54	23 8	1 16	21 57	1 46	23 27	1 14	20 2	0 24	10 24	2 9	22 51	0 10	20 33	1 16	26 18	16 39	22 57	22 47	11 41		n.a.
T 12	22 56	22 49	0 s22	23 29	1 21	21 42	2 1	23 19	1 13	20 5	0 24	10 26	2 9	22 51	0 10	20 33	1 16	26 17	16 38	22 57	22 47	11 39		n.a.
W13	23 2	21 25	1 38	23 48	1 26	21 27	2 17	23 12	1 13	20 8	0 23	10 28	2 10	22 50	0 10	20 33	1 16	26 17	16 38	22 56	22 48	11 37		n.a.
T 14	23 9	18 41	2 48	24 6	1 30	21 12	2 32	23 4	1 13	20 11	0 23	10 30	2 10	22 50	0 10	20 33	1 16	26 16	16 38	22 56	22 48	11 35		n.a.
F 15	23 14	14 50	3 48	24 22	1 34	20 57	2 48	22 55	1 12	20 14	0 23	10 32	2 10	22 50	0 10	20 32	1 16	26 16	16 37	22 56	22 48	11 33		n.a.
S 16	23 19	10 9	4 34	24 37	1 39	20 42	3 3	22 47	1 12	20 17	0 23	10 34	2 10	22 49	0 10	20 32	1 16	26 15	16 37	22 56	22 49	11 31		n.a.
S 17	23 24	4 56	5 3	24 51	1 42	20 26	3 18	22 38	1 12	20 20	0 23	10 35	2 10	22 49	0 10	20 32	1 16	26 15	16 37	22 56	22 49	11 29		n.a.
M18	23 28	0n30	5 14	25 3	1 46	20 11	3 33	22 29	1 11	20 22	0 23	10 37	2 10	22 49	0 10	20 31	1 16	26 14	16 36	22 56	22 49	11 27		n.a.
T 19	23 32	5 52	5 7	25 14	1 49	19 56	3 48	22 20	1 11	20 25	0 23	10 39	2 10	22 48	0 10	20 31	1 16	26 14	16 36	22 56	22 50	11 24		n.a.
W20	23 35	10 55	4 41	25 23	1 52	19 41	4 3	22 10	1 10	20 28	0 23	10 41	2 10	22 48	0 10	20 31	1 16	26 13	16 36	22 57	22 50	11 22		n.a.
T 21	23 38	15 20	4 0	25 31	1 55	19 27	4 17	22 1	1 10	20 31	0 23	10 42	2 11	22 48	0 10	20 31	1 16	26 12	16 35	22 57	22 51	11 20		n.a.
F 22	23 40	18 55	3 6	25 37	1 57	19 12	4 30	21 51	1 10	20 34	0 23	10 44	2 11	22 47	0 10	20 30	1 16	26 12	16 35	22 57	22 51	11 18		n.a.
S 23	23 42	21 26	2 2	25 42	1 59	18 58	4 43	21 40	1 9	20 36	0 23	10 46	2 11	22 47	0 10	20 30	1 16	26 11	16 35	22 58	22 51	11 16		n.a.
S 24	23 43	22 46	0 54	25 45	2 0	18 45	4 56	21 30	1 9	20 39	0 23	10 47	2 11	22 47	0 10	20 30	1 16	26 11	16 34	22 58	22 52	11 14		n.a.
M25	23 44	22 53	0n16	25 46	2 1	18 31	5 8	21 19	1 8	20 42	0 22	10 49	2 11	22 46	0 10	20 30	1 16	26 10	16 34	22 58	22 52	11 11		n.a.
T 26	23 45	21 51	1 24	25 45	2 2	18 19	5 19	21 8	1 8	20 44	0 22	10 50	2 11	22 46	0 10	20 30	1 16	26 10	16 34	22 58	22 52	11 9		n.a.
W27	23 44	19 47	2 27	25 42	2 2	18 7	5 30	20 57	1 8	20 47	0 22	10 52	2 11	22 46	0 10	20 29	1 16	26 9	16 33	22 58	22 53	11 7		n.a.
T 28	23 44	16 53	3 22	25 37	2 2	17 55	5 40	20 46	1 7	20 49	0 22	10 53	2 11	22 45	0 10	20 29	1 16	26 8	16 33	22 58	22 53	11 5		n.a.
F 29	23 43	13 19	4 8	25 31	2 1	17 45	5 49	20 35	1 7	20 52	0 22	10 55	2 12	22 45	0 10	20 29	1 15	26 8	16 33	22 57	22 54	11 3		n.a.
S 30	23 41	9 15	4 43	25 23	2 0	17 35	5 57	20 23	1 6	20 54	0 22	10 56	2 12	22 45	0 10	20 29	1 15	26 7	16 32	22 57	22 54	11 1		n.a.
S 31	23 s39	4n50	5n 7	25 s12	1 s58	17 s25	6n 4	20 s11	1 s 6	20 s57	0n22	10 s58	2n12	22n45	0n10	20n28	1 s15	26 s 7	16 s32	22n57	22n54	10n58		n.a.

Julian Day Number = 1574926.5, Delta T = 04h15m12s
Ecliptic obliquity = 23°44'35, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'40, Lahiri = - 9°29'39 Julian Calendar 1 Dec. 402 BCE == Greg. Calendar 26 Nov. 402 BCE

The year -401 astronomical counting style corresponds to year 402 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

JANUARY 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	6 18 36	5♉45'46	11♎34	13♉14	21°R20	6♒21	4♐42	4♏ 7	12°R27	6°R44	2♓17	14°R24	14♋48	12♍34	n.a.	M 1
T 2	6 22 32	6°46'40	23°42	15° 0	20♐54	7° 8	4°55	4°12	12♊25	6♊42	2°18	14♋24	14°45	12°41	n.a.	T 2
W 3	6 26 29	7°47'34	6♏ 6	16°47	20°31	7°54	5° 8	4°16	12°23	6°41	2°19	14°23	14°42	12°48	n.a.	W 3
T 4	6 30 25	8°48'26	18°48	18°34	20°10	8°40	5°21	4°20	12°20	6°39	2°20	14°22	14°38	12°55	n.a.	T 4
F 5	6 34 22	9°49'18	1♐51	20°20	19°51	9°27	5°33	4°24	12°18	6°38	2°21	14°21	14°35	13° 1	n.a.	F 5
S 6	6 38 19	10°50'08	15°18	22° 7	19°34	10°13	5°46	4°28	12°16	6°37	2°22	14°21	14°32	13° 8	n.a.	S 6
S 7	6 42 15	11°50'57	29° 6	23°53	19°20	11° 0	5°58	4°32	12°14	6°35	2°23	14°21	14°29	13°15	n.a.	S 7
M 8	6 46 12	12°51'44	13♉14	25°38	19° 8	11°46	6°11	4°36	12°12	6°34	2°24	14°D21	14°26	13°21	n.a.	M 8
T 9	6 50 8	13°52'31	27°38	27°22	18°59	12°32	6°23	4°40	12° 9	6°33	2°25	14°R21	14°23	13°28	n.a.	T 9
W10	6 54 5	14°53'15	12♒11	29° 4	18°53	13°19	6°36	4°44	12° 7	6°31	2°26	14°21	14°19	13°35	n.a.	W10
T 11	6 58 1	15°53'58	26°49	0♒45	18°49	14° 5	6°48	4°48	12° 5	6°30	2°27	14°21	14°16	13°42	n.a.	T 11
F 12	7 1 58	16°54'39	11♓24	2°24	18°D47	14°51	7° 0	4°51	12° 3	6°29	2°28	14°20	14°13	13°48	n.a.	F 12
S 13	7 5 55	17°55'18	25°52	4° 0	18°48	15°37	7°12	4°55	12° 1	6°28	2°29	14°20	14°10	13°55	n.a.	S 13
S 14	7 9 51	18°55'55	10♈ 8	5°32	18°51	16°23	7°24	4°58	11°59	6°27	2°31	14°20	14° 7	14° 2	n.a.	S 14
M15	7 13 48	19°56'30	24°10	7° 1	18°56	17°10	7°36	5° 2	11°57	6°25	2°32	14°D20	14° 3	14° 8	n.a.	M15
T 16	7 17 44	20°57'03	7♉58	8°25	19° 4	17°56	7°48	5° 5	11°56	6°24	2°33	14°20	14° 0	14°15	n.a.	T 16
W17	7 21 41	21°57'35	21°29	9°45	19°14	18°42	8° 0	5° 8	11°54	6°23	2°34	14°21	13°57	14°22	n.a.	W17
T 18	7 25 37	22°58'04	4♊46	10°58	19°26	19°28	8°12	5°11	11°52	6°22	2°35	14°21	13°54	14°28	n.a.	T 18
F 19	7 29 34	23°58'32	17°49	12° 5	19°40	20°14	8°23	5°14	11°50	6°21	2°36	14°22	13°51	14°35	n.a.	F 19
S 20	7 33 30	24°58'57	0♋39	13° 4	19°56	21° 0	8°35	5°17	11°49	6°20	2°38	14°23	13°48	14°42	n.a.	S 20
S 21	7 37 27	25°59'21	13°16	13°56	20°15	21°46	8°47	5°20	11°47	6°19	2°39	14°R23	13°44	14°49	n.a.	S 21
M22	7 41 24	26°59'43	25°42	14°39	20°35	22°31	8°58	5°23	11°45	6°18	2°40	14°23	13°41	14°55	n.a.	M22
T 23	7 45 20	28° 0'02	7♌58	15°13	20°57	23°17	9° 9	5°25	11°44	6°17	2°41	14°22	13°38	15° 2	n.a.	T 23
W24	7 49 17	29° 0'21	20° 4	15°38	21°21	24° 3	9°21	5°28	11°42	6°16	2°43	14°20	13°35	15° 9	n.a.	W24
T 25	7 53 13	0♒ 0'37	2♍ 3	15°54	21°47	24°49	9°32	5°30	11°41	6°15	2°44	14°18	13°32	15°15	n.a.	T 25
F 26	7 57 10	1° 0'51	13°57	15°R59	22°14	25°34	9°43	5°33	11°39	6°15	2°45	14°15	13°29	15°22	n.a.	F 26
S 27	8 1 6	2° 1'04	25°49	15°55	22°43	26°20	9°54	5°35	11°38	6°14	2°46	14°13	13°25	15°29	n.a.	S 27
S 28	8 5 3	3° 1'15	7♎41	15°41	23°13	27° 6	10° 5	5°37	11°36	6°13	2°48	14°10	13°22	15°36	n.a.	S 28
M29	8 8 59	4° 1'24	19°38	15°18	23°46	27°51	10°16	5°39	11°35	6°12	2°49	14° 9	13°19	15°42	n.a.	M29
T 30	8 12 56	5° 1'32	1♏44	14°47	24°19	28°37	10°26	5°41	11°34	6°11	2°50	14°D 8	13°16	15°49	n.a.	T 30
W31	8 16 52	6♒ 1'38	14♏ 3	14♒ 8	24♐54	29♒22	10♐37	5♏43	11♊33	6♊11	2♓52	14♋ 8	13♋13	15♍56	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23s37	0n13	5n17	25s 0	1s56	17s17	6n11	19s59	1s 6	20s59	0n22	10s59	2n12	22n44	0n10	20n28	1s15	26s 6	16s32	22n57	22n55	10n56		n.a.
T 2	23 34	4s28	5 13	24 45	1 53	17 9	6 17	19 46	1 5	21 2	0 22	11 0	2 12	22 44	0 10	20 28	1 15	26 5	16 32	22 57	22 55	10 54		n.a.
W 3	23 31	9 5	4 55	24 29	1 49	17 2	6 22	19 34	1 5	21 4	0 22	11 2	2 12	22 44	0 10	20 28	1 15	26 5	16 31	22 57	22 55	10 52		n.a.
T 4	23 27	13 26	4 22	24 10	1 45	16 57	6 27	19 21	1 4	21 6	0 22	11 3	2 13	22 43	0 10	20 28	1 15	26 4	16 31	22 57	22 56	10 50		n.a.
F 5	23 22	17 18	3 35	23 50	1 40	16 51	6 31	19 8	1 4	21 9	0 22	11 4	2 13	22 43	0 10	20 27	1 15	26 3	16 31	22 57	22 56	10 48		n.a.
S 6	23 18	20 22	2 34	23 28	1 35	16 47	6 34	18 55	1 3	21 11	0 22	11 6	2 13	22 43	0 10	20 27	1 15	26 3	16 30	22 58	22 56	10 45		n.a.
S 7	23 12	22 21	1 24	23 3	1 29	16 44	6 36	18 42	1 3	21 13	0 22	11 7	2 13	22 43	0 10	20 27	1 15	26 2	16 30	22 58	22 57	10 43		n.a.
M 8	23 7	22 58	0 6	22 37	1 22	16 41	6 38	18 28	1 2	21 16	0 21	11 8	2 13	22 42	0 10	20 27	1 15	26 2	16 30	22 58	22 57	10 41		n.a.
T 9	23 1	22 6	1s13	22 9	1 14	16 39	6 39	18 15	1 2	21 18	0 21	11 9	2 13	22 42	0 10	20 27	1 15	26 1	16 30	22 58	22 57	10 39		n.a.
W10	22 54	19 44	2 29	21 40	1 5	16 38	6 40	18 1	1 1	21 20	0 21	11 10	2 13	22 42	0 10	20 26	1 15	26 0	16 29	22 58	22 58	10 37		n.a.
T 11	22 47	16 5	3 35	21 9	0 56	16 38	6 40	17 47	1 1	21 22	0 21	11 11	2 14	22 41	0 10	20 26	1 15	26 0	16 29	22 58	22 58	10 34		n.a.
F 12	22 39	11 28	4 27	20 37	0 46	16 38	6 39	17 33	1 0	21 24	0 21	11 12	2 14	22 41	0 10	20 26	1 15	25 59	16 29	22 58	22 58	10 32		n.a.
S 13	22 32	6 15	5 1	20 4	0 35	16 39	6 38	17 18	1 0	21 27	0 21	11 13	2 14	22 41	0 10	20 26	1 15	25 58	16 29	22 58	22 59	10 30		n.a.
S 14	22 23	0 47	5 16	19 30	0 23	16 41	6 36	17 4	0 59	21 29	0 21	11 14	2 14	22 41	0 10	20 26	1 15	25 58	16 28	22 58	22 59	10 28		n.a.
M15	22 14	4n39	5 13	18 55	0 10	16 43	6 35	16 49	0 59	21 31	0 21	11 15	2 14	22 40	0 10	20 26	1 15	25 57	16 28	22 58	22 59	10 25		n.a.
T 16	22 5	9 45	4 51	18 20	0n 3	16 46	6 32	16 35	0 58	21 33	0 21	11 16	2 15	22 40	0 10	20 25	1 15	25 56	16 28	22 58	23 0	10 23		n.a.
W17	21 56	14 18	4 13	17 46	0 17	16 50	6 29	16 20	0 58	21 35	0 21	11 17	2 15	22 40	0 10	20 25	1 15	25 56	16 28	22 58	23 0	10 21		n.a.
T 18	21 46	18 3	3 22	17 12	0 31	16 54	6 26	16 5	0 57	21 37	0 21	11 18	2 15	22 40	0 10	20 25	1 15	25 55	16 27	22 58	23 0	10 19		n.a.
F 19	21 35	20 49	2 22	16 39	0 47	16 58	6 23	15 49	0 57	21 39	0 21	11 19	2 15	22 39	0 10	20 25	1 15	25 54	16 27	22 57	23 1	10 17		n.a.
S 20	21 24	22 29	1 15	16 7	1 2	17 3	6 19	15 34	0 56	21 40	0 21	11 20	2 15	22 39	0 10	20 25	1 15	25 54	16 27	22 57	23 1	10 14		n.a.
S 21	21 13	22 58	0 6	15 37	1 18	17 8	6 15	15 19	0 56	21 42	0 21	11 20	2 15	22 39	0 10	20 25	1 15	25 53	16 27	22 57	23 1	10 12		n.a.
M22	21 1	22 17	1n 2	15 9	1 34	17 14	6 11	15 3	0 55	21 44	0 20	11 21	2 16	22 39	0 10	20 25	1 15	25 52	16 27	22 57	23 2	10 10		n.a.
T 23	20 49	20 33	2 7	14 43	1 50	17 20	6 7	14 47	0 55	21 46	0 20	11 22	2 16	22 39	0 10	20 25	1 15	25 52	16 26	22 57	23 2	10 8		n.a.
W24	20 37	17 54	3 5	14 21	2 6	17 26	6 2	14 31	0 54	21 48	0 20	11 23	2 16	22 38	0 10	20 24	1 14	25 51	16 26	22 58	23 2	10 5		n.a.
T 25	20 24	14 30	3 54	14 1	2 22	17 33	5 57	14 15	0 54	21 50	0 20	11 23	2 16	22 38	0 10	20 24	1 14	25 50	16 26	22 58	23 3	10 3		n.a.
F 26	20 11	10 34	4 32	13 45	2 37	17 40	5 52	13 59	0 53	21 51	0 20	11 24	2 16	22 38	0 10	20 24	1 14	25 50	16 26	22 58	23 3	10 1		n.a.
S 27	19 58	6 15	4 59	13 33	2 51	17 46	5 46	13 43	0 53	21 53	0 20	11 24	2 17	22 38	0 10	20 24	1 14	25 49	16 26	22 58	23 3	9 58		n.a.
S 28	19 44	1 42	5 13	13 25	3 4	17 53	5 41	13 27	0 52	21 55	0 20	11 25	2 17	22 38	0 10	20 24	1 14	25 49	16 25	22 59	23 4	9 56		n.a.
M29	19 30	2s56	5 14	13 20	3 16	18 1	5 35	13 10	0 51	21 56	0 20	11 25	2 17	22 37	0 10	20 24	1 14	25 48	16 25	22 59	23 4	9 54		n.a.
T 30	19 15	7 32	5 1	13 19	3 27	18 8	5 30	12 54	0 51	21 58	0 20	11 26	2 17	22 37	0 10	20 24	1 14	25 47	16 25	22 59	23 4	9 52		n.a.
W31	19s 0	11s55	4n33	13s22	3n35	18s15	5n24	12s37	0s50	22s 0	0n20	11s26	2n17	22n37	0n10	20n24	1s14	25s47	16s25	22n59	23n 5	9n49		n.a.

Julian Day Number = 1574957.5, Delta T = 04h15m11s
Ecliptic obliquity = 23°44'35, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'36, Lahiri = - 9°29'35 Julian Calendar 1 Jan. 401 BCE == Greg. Calendar 27 Dec. 402 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

FEBRUARY 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 20 49	7♒ 1'42	26♏41	13°R22	25♐30	0♓ 8	10♐48	5♏45	11°R31	6°R10	2♓53	14♋ 9	13♋ 9	16♍ 2	n.a.	T 1
F 2	8 24 46	8° 1'45	9♐41	12♒30	26° 7	0°53	10°58	5°47	11♊30	6♊ 9	2°54	14°11	13° 6	16° 9	n.a.	F 2
S 3	8 28 42	9° 1'46	23° 6	11°34	26°46	1°39	11° 8	5°48	11°29	6° 9	2°56	14°12	13° 3	16°16	n.a.	S 3
S 4	8 32 39	10° 1'45	6♑58	10°36	27°26	2°24	11°19	5°50	11°28	6° 8	2°57	14°13	13° 0	16°22	n.a.	S 4
M 5	8 36 35	11° 1'42	21°15	9°35	28° 7	3° 9	11°29	5°51	11°27	6° 8	2°59	14°R13	12°57	16°29	n.a.	M 5
T 6	8 40 32	12° 1'38	5♒55	8°35	28°49	3°54	11°39	5°53	11°26	6° 7	3° 0	14°12	12°54	16°36	n.a.	T 6
W 7	8 44 28	13° 1'31	20°51	7°36	29°32	4°40	11°49	5°54	11°25	6° 7	3° 1	14° 9	12°50	16°43	n.a.	W 7
T 8	8 48 25	14° 1'22	5♓54	6°40	0♑16	5°25	11°58	5°55	11°25	6° 6	3° 3	14° 5	12°47	16°49	n.a.	T 8
F 9	8 52 21	15° 1'11	20°56	5°47	1° 1	6°10	12° 8	5°56	11°24	6° 6	3° 4	14° 1	12°44	16°56	n.a.	F 9
S 10	8 56 18	16° 0'57	5♈47	4°58	1°47	6°55	12°18	5°57	11°23	6° 6	3° 6	13°56	12°41	17° 3	n.a.	S 10
S 11	9 0 15	17° 0'41	20°21	4°14	2°34	7°40	12°27	5°58	11°23	6° 5	3° 7	13°53	12°38	17° 9	n.a.	S 11
M12	9 4 11	18° 0'23	4♉33	3°36	3°21	8°25	12°36	5°58	11°22	6° 5	3° 8	13°50	12°35	17°16	n.a.	M12
T 13	9 8 8	19° 0'02	18°21	3° 4	4° 9	9°10	12°46	5°59	11°21	6° 5	3°10	13°D50	12°31	17°23	n.a.	T 13
W14	9 12 4	19°59'39	1♊47	2°38	4°59	9°55	12°55	5°59	11°21	6° 4	3°11	13°50	12°28	17°30	n.a.	W14
T 15	9 16 1	20°59'14	14°51	2°19	5°49	10°40	13° 4	6° 0	11°20	6° 4	3°13	13°52	12°25	17°36	n.a.	T 15
F 16	9 19 57	21°58'46	27°38	2° 6	6°39	11°24	13°12	6° 0	11°20	6° 4	3°14	13°53	12°22	17°43	n.a.	F 16
S 17	9 23 54	22°58'16	10♋10	1°58	7°30	12° 9	13°21	6° 0	11°20	6° 4	3°16	13°R54	12°19	17°50	n.a.	S 17
S 18	9 27 50	23°57'43	22°30	1°D57	8°22	12°54	13°30	6° 0	11°19	6° 4	3°17	13°54	12°15	17°56	n.a.	S 18
M19	9 31 47	24°57'08	4♌40	2° 2	9°15	13°39	13°38	6°R 1	11°19	6° 4	3°19	13°52	12°12	18° 3	n.a.	M19
T 20	9 35 44	25°56'31	16°44	2°12	10° 8	14°23	13°47	6° 0	11°19	6° 4	3°20	13°47	12° 9	18°10	n.a.	T 20
W21	9 39 40	26°55'52	28°42	2°28	11° 2	15° 8	13°55	6° 0	11°19	6°D 4	3°22	13°41	12° 6	18°17	n.a.	W21
T 22	9 43 37	27°55'10	10♍37	2°49	11°56	15°52	14° 3	6° 0	11°19	6° 4	3°23	13°33	12° 3	18°23	n.a.	T 22
F 23	9 47 33	28°54'26	22°29	3°14	12°51	16°37	14°11	6° 0	11°D19	6° 4	3°25	13°25	12° 0	18°30	n.a.	F 23
S 24	9 51 30	29°53'41	4♎21	3°45	13°47	17°21	14°19	5°59	11°19	6° 4	3°26	13°16	11°56	18°37	n.a.	S 24
S 25	9 55 26	0♓52'53	16°15	4°19	14°43	18° 5	14°26	5°59	11°19	6° 4	3°28	13° 7	11°53	18°43	n.a.	S 25
M26	9 59 23	1°52'03	28°13	4°58	15°39	18°50	14°34	5°58	11°19	6° 4	3°29	13° 1	11°50	18°50	n.a.	M26
T 27	10 3 19	2°51'12	10♏19	5°40	16°36	19°34	14°41	5°57	11°19	6° 4	3°30	12°56	11°47	18°57	n.a.	T 27
W28	10 7 16	3°50'18	22°36	6°26	17°33	20°18	14°48	5°56	11°19	6° 5	3°32	12°53	11°44	19° 4	n.a.	W28
T 29	10 11 12	4♓49'23	5♐ 9	7♒15	18♑31	21♓ 2	14♐56	5♏55	11♊20	6♊ 5	3♓33	12°D52	11♋40	19♍10	n.a.	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	18s45	15s54	3n53	13s28	3n42	18s22	5n18	12s21	0s50	22s 1	0n20	11s27	2n17	22n37	0n10	20n24	1s14	25s46	16s25	22n59	23n 5	9n47		n.a.
F 2	18 29	19 14	2 59	13 38	3 48	18 29	5 12	12 4	0 49	22 3	0 20	11 27	2 18	22 37	0 10	20 24	1 14	25 45	16 25	22 59	23 5	9 45		n.a.
S 3	18 14	21 40	1 54	13 50	3 50	18 37	5 6	11 47	0 49	22 4	0 20	11 28	2 18	22 37	0 10	20 24	1 14	25 45	16 24	22 59	23 6	9 43		n.a.
S 4	17 57	22 54	0 40	14 6	3 51	18 44	4 59	11 30	0 48	22 6	0 20	11 28	2 18	22 36	0 10	20 24	1 14	25 44	16 24	22 58	23 6	9 40		n.a.
M 5	17 41	22 40	0s39	14 23	3 50	18 51	4 53	11 13	0 47	22 7	0 20	11 28	2 18	22 36	0 10	20 23	1 14	25 43	16 24	22 58	23 6	9 38		n.a.
T 6	17 24	20 54	1 56	14 42	3 47	18 58	4 47	10 56	0 47	22 9	0 20	11 28	2 18	22 36	0 10	20 23	1 14	25 43	16 24	22 59	23 7	9 36		n.a.
W 7	17 7	17 41	3 7	15 2	3 42	19 4	4 40	10 38	0 46	22 10	0 19	11 29	2 19	22 36	0 10	20 23	1 14	25 42	16 24	22 59	23 7	9 33		n.a.
T 8	16 50	13 16	4 6	15 23	3 35	19 11	4 34	10 21	0 46	22 12	0 19	11 29	2 19	22 36	0 10	20 23	1 14	25 41	16 24	22 59	23 7	9 31		n.a.
F 9	16 32	8 2	4 47	15 44	3 26	19 17	4 27	10 4	0 45	22 13	0 19	11 29	2 19	22 36	0 10	20 23	1 14	25 41	16 24	23 0	23 7	9 29		n.a.
S 10	16 14	2 24	5 9	16 6	3 16	19 23	4 21	9 46	0 45	22 14	0 19	11 29	2 19	22 36	0 10	20 23	1 14	25 40	16 24	23 0	23 8	9 26		n.a.
S 11	15 56	3n16	5 10	16 27	3 5	19 29	4 14	9 29	0 44	22 16	0 19	11 29	2 19	22 36	0 10	20 23	1 14	25 39	16 24	23 1	23 8	9 24		n.a.
M12	15 38	8 37	4 52	16 48	2 53	19 34	4 8	9 11	0 43	22 17	0 19	11 29	2 20	22 36	0 10	20 23	1 14	25 39	16 23	23 1	23 8	9 22		n.a.
T 13	15 19	13 23	4 18	17 8	2 40	19 40	4 1	8 54	0 43	22 18	0 19	11 29	2 20	22 35	0 10	20 23	1 14	25 38	16 23	23 1	23 9	9 20		n.a.
W14	15 0	17 22	3 30	17 27	2 26	19 45	3 54	8 36	0 42	22 19	0 19	11 29	2 20	22 35	0 10	20 23	1 13	25 38	16 23	23 1	23 9	9 17		n.a.
T 15	14 41	20 22	2 32	17 45	2 12	19 49	3 48	8 18	0 42	22 20	0 19	11 29	2 20	22 35	0 10	20 23	1 13	25 37	16 23	23 1	23 9	9 15		n.a.
F 16	14 22	22 16	1 27	18 2	1 58	19 54	3 41	8 0	0 41	22 22	0 19	11 29	2 20	22 35	0 10	20 23	1 13	25 36	16 23	23 1	23 10	9 13		n.a.
S 17	14 2	23 1	0 20	18 17	1 44	19 58	3 34	7 43	0 40	22 23	0 19	11 29	2 21	22 35	0 10	20 23	1 13	25 36	16 23	23 0	23 10	9 10		n.a.
S 18	13 42	22 36	0n47	18 31	1 30	20 1	3 28	7 25	0 40	22 24	0 19	11 29	2 21	22 35	0 10	20 23	1 13	25 35	16 23	23 0	23 10	9 8		n.a.
M19	13 22	21 7	1 50	18 44	1 15	20 4	3 21	7 7	0 39	22 25	0 19	11 29	2 21	22 35	0 10	20 23	1 13	25 34	16 23	23 1	23 10	9 6		n.a.
T 20	13 2	18 41	2 48	18 55	1 2	20 7	3 15	6 49	0 39	22 26	0 19	11 28	2 21	22 35	0 10	20 24	1 13	25 34	16 23	23 1	23 11	9 3		n.a.
W21	12 41	15 29	3 38	19 5	0 48	20 9	3 8	6 31	0 38	22 27	0 19	11 28	2 21	22 35	0 10	20 24	1 13	25 33	16 23	23 2	23 11	9 1		n.a.
T 22	12 21	11 39	4 19	19 13	0 34	20 11	3 1	6 13	0 37	22 28	0 18	11 28	2 22	22 35	0 10	20 24	1 13	25 33	16 23	23 3	23 11	8 59		n.a.
F 23	12 0	7 24	4 47	19 20	0 21	20 13	2 55	5 55	0 37	22 29	0 18	11 28	2 22	22 35	0 10	20 24	1 13	25 32	16 23	23 3	23 12	8 56		n.a.
S 24	11 39	2 53	5 4	19 25	0 9	20 14	2 48	5 37	0 36	22 30	0 18	11 27	2 22	22 35	0 10	20 24	1 13	25 32	16 23	23 4	23 12	8 54		n.a.
S 25	11 18	1s45	5 7	19 29	0s 3	20 14	2 42	5 19	0 36	22 31	0 18	11 27	2 22	22 35	0 10	20 24	1 13	25 31	16 23	23 5	23 12	8 51		n.a.
M26	10 57	6 22	4 57	19 31	0 15	20 15	2 35	5 1	0 35	22 32	0 18	11 27	2 22	22 35	0 10	20 24	1 13	25 30	16 23	23 6	23 13	8 49		n.a.
T 27	10 35	10 47	4 33	19 31	0 27	20 14	2 29	4 43	0 34	22 33	0 18	11 26	2 22	22 35	0 10	20 24	1 13	25 30	16 23	23 6	23 13	8 47		n.a.
W28	10 14	14 50	3 57	19 30	0 37	20 13	2 22	4 24	0 34	22 34	0 18	11 26	2 23	22 35	0 10	20 24	1 13	25 29	16 23	23 7	23 13	8 44		n.a.
T 29	9s52	18s20	3n 9	19s28	0s48	20s12	2n16	4s 6	0s33	22s35	0n18	11s25	2n23	22n35	0n10	20n24	1s13	25s29	16s23	23n 7	23n13	8n42		n.a.

Julian Day Number = 1574988.5, Delta T = 04h15m10s
Ecliptic obliquity = 23°44'36, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'31, Lahiri = - 9°29'31 Julian Calendar 1 Feb. 401 BCE == Greg. Calendar 27 Jan. 401 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

MARCH 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	10 15 9	5♓48'25	18♐ 3	8♒ 8	19♉29	21♓46	15♐ 2	5°R54	11♊20	6♊ 5	3♓35	12♋53	11♋37	19♍17	n.a.	F 1
S 2	10 19 6	6°47'26	1♉20	9° 4	20°28	22°31	15° 9	5♏53	11°20	6° 5	3°36	12°54	11°34	19°24	n.a.	S 2
S 3	10 23 2	7°46'26	15° 5	10° 2	21°27	23°15	15°16	5°52	11°21	6° 6	3°38	12°R54	11°31	19°30	n.a.	S 3
M 4	10 26 59	8°45'23	29°19	11° 4	22°27	23°59	15°22	5°51	11°21	6° 6	3°39	12°53	11°28	19°37	n.a.	M 4
T 5	10 30 55	9°44'18	13♒59	12° 8	23°26	24°42	15°29	5°49	11°22	6° 7	3°41	12°50	11°25	19°44	n.a.	T 5
W 6	10 34 52	10°43'11	29° 1	13°14	24°27	25°26	15°35	5°48	11°22	6° 7	3°42	12°44	11°21	19°51	n.a.	W 6
T 7	10 38 48	11°42'03	14♓16	14°23	25°27	26°10	15°41	5°46	11°23	6° 8	3°44	12°36	11°18	19°57	n.a.	T 7
F 8	10 42 45	12°40'52	29°34	15°34	26°28	26°54	15°47	5°44	11°24	6° 8	3°45	12°27	11°15	20° 4	n.a.	F 8
S 9	10 46 41	13°39'38	14♈43	16°48	27°29	27°38	15°53	5°42	11°25	6° 9	3°47	12°18	11°12	20°11	n.a.	S 9
S 10	10 50 38	14°38'23	29°34	18° 3	28°30	28°21	15°58	5°41	11°25	6° 9	3°48	12°10	11° 9	20°17	n.a.	S 10
M11	10 54 35	15°37'05	14♉ 0	19°21	29°32	29° 5	16° 4	5°39	11°26	6°10	3°50	12° 4	11° 6	20°24	n.a.	M11
T 12	10 58 31	16°35'45	27°58	20°41	0♒34	29°49	16° 9	5°37	11°27	6°11	3°51	12° 1	11° 2	20°31	n.a.	T 12
W13	11 2 28	17°34'23	11♊27	22° 2	1°36	0♈32	16°14	5°34	11°28	6°11	3°53	11°59	10°59	20°38	n.a.	W13
T 14	11 6 24	18°32'58	24°31	23°26	2°39	1°16	16°19	5°32	11°29	6°12	3°54	11°D59	10°56	20°44	n.a.	T 14
F 15	11 10 21	19°31'31	7♋12	24°51	3°41	1°59	16°24	5°30	11°30	6°13	3°55	12°R 0	10°53	20°51	n.a.	F 15
S 16	11 14 17	20°30'02	19°36	26°18	4°44	2°42	16°28	5°27	11°31	6°14	3°57	11°59	10°50	20°58	n.a.	S 16
S 17	11 18 14	21°28'31	1♌46	27°47	5°48	3°26	16°32	5°25	11°33	6°14	3°58	11°58	10°46	21° 4	n.a.	S 17
M18	11 22 10	22°26'57	13°48	29°18	6°51	4° 9	16°37	5°22	11°34	6°15	4° 0	11°53	10°43	21°11	n.a.	M18
T 19	11 26 7	23°25'21	25°44	0♓50	7°55	4°52	16°41	5°20	11°35	6°16	4° 1	11°46	10°40	21°18	n.a.	T 19
W20	11 30 3	24°23'43	7♍36	2°24	8°59	5°35	16°45	5°17	11°36	6°17	4° 3	11°37	10°37	21°25	n.a.	W20
T 21	11 34 0	25°22'03	19°28	4° 0	10° 3	6°18	16°48	5°14	11°38	6°18	4° 4	11°25	10°34	21°31	n.a.	T 21
F 22	11 37 57	26°20'21	1♎20	5°38	11° 7	7° 2	16°52	5°11	11°39	6°19	4° 5	11°12	10°31	21°38	n.a.	F 22
S 23	11 41 53	27°18'37	13°15	7°18	12°12	7°45	16°55	5° 8	11°41	6°20	4° 7	10°58	10°27	21°45	n.a.	S 23
S 24	11 45 50	28°16'51	25°13	8°59	13°16	8°28	16°58	5° 5	11°42	6°21	4° 8	10°45	10°24	21°51	n.a.	S 24
M25	11 49 46	29°15'03	7♏17	10°42	14°21	9°10	17° 1	5° 2	11°44	6°22	4° 9	10°34	10°21	21°58	n.a.	M25
T 26	11 53 43	0♈13'14	19°27	12°26	15°26	9°53	17° 4	4°59	11°45	6°23	4°11	10°26	10°18	22° 5	n.a.	T 26
W27	11 57 39	1°11'23	1♐48	14°13	16°32	10°36	17° 7	4°56	11°47	6°24	4°12	10°21	10°15	22°12	n.a.	W27
T 28	12 1 36	2° 9'31	14°22	16° 1	17°37	11°19	17° 9	4°53	11°49	6°25	4°14	10°18	10°11	22°18	n.a.	T 28
F 29	12 5 32	3° 7'37	27°13	17°51	18°43	12° 2	17°12	4°49	11°51	6°27	4°15	10°17	10° 8	22°25	n.a.	F 29
S 30	12 9 29	4° 5'42	10♉25	19°42	19°49	12°44	17°14	4°46	11°52	6°28	4°16	10°17	10° 5	22°32	n.a.	S 30
S 31	12 13 26	5♈ 3'45	24♉ 2	21♓36	20♒55	13♈27	17♐16	4♏42	11♊54	6♊29	4♓17	10♋16	10♋ 2	22♍38	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	9s30	21s 3	2n 9	19s23	0s58	20s10	2n10	3s48	0s33	22s36	0n18	11s25	2n23	22n35	0n10	20n24	1s13	25s28	16s23	23n 7	23n14	8n40		n.a.
S 2	9 8	22 42	1 2	19 18	1 7	20 8	2 3	3 30	0 32	22 37	0 18	11 24	2 23	22 35	0 10	20 24	1 13	25 28	16 23	23 7	23 14	8 37		n.a.
S 3	8 46	23 4	0s12	19 10	1 16	20 5	1 57	3 12	0 31	22 37	0 18	11 24	2 23	22 35	0 10	20 24	1 13	25 27	16 23	23 6	23 14	8 35		n.a.
M 4	8 23	21 58	1 27	19 1	1 24	20 1	1 51	2 54	0 31	22 38	0 18	11 23	2 24	22 36	0 10	20 25	1 13	25 26	16 23	23 7	23 15	8 33		n.a.
T 5	8 1	19 22	2 38	18 51	1 32	19 57	1 45	2 35	0 30	22 39	0 18	11 22	2 24	22 36	0 10	20 25	1 12	25 26	16 23	23 7	23 15	8 30		n.a.
W 6	7 38	15 24	3 41	18 39	1 39	19 53	1 39	2 17	0 30	22 40	0 18	11 22	2 24	22 36	0 10	20 25	1 12	25 25	16 23	23 7	23 15	8 28		n.a.
T 7	7 16	10 23	4 28	18 25	1 46	19 48	1 33	1 59	0 29	22 40	0 18	11 21	2 24	22 36	0 10	20 25	1 12	25 25	16 23	23 8	23 15	8 25		n.a.
F 8	6 53	4 42	4 56	18 10	1 53	19 42	1 27	1 41	0 28	22 41	0 17	11 20	2 24	22 36	0 10	20 25	1 12	25 24	16 23	23 9	23 16	8 23		n.a.
S 9	6 30	1n13	5 4	17 53	1 58	19 36	1 21	1 23	0 28	22 42	0 17	11 19	2 24	22 36	0 10	20 25	1 12	25 24	16 23	23 10	23 16	8 21		n.a.
S 10	6 7	6 56	4 50	17 34	2 4	19 30	1 15	1 4	0 27	22 42	0 17	11 19	2 25	22 36	0 10	20 25	1 12	25 23	16 23	23 11	23 16	8 18		n.a.
M11	5 44	12 8	4 19	17 14	2 9	19 23	1 9	0 46	0 26	22 43	0 17	11 18	2 25	22 36	0 10	20 26	1 12	25 23	16 23	23 11	23 16	8 16		n.a.
T 12	5 21	16 31	3 32	16 53	2 13	19 15	1 4	0 28	0 26	22 44	0 17	11 17	2 25	22 36	0 10	20 26	1 12	25 22	16 23	23 12	23 17	8 13		n.a.
W13	4 58	19 53	2 35	16 29	2 17	19 7	0 58	0 10	0 25	22 44	0 17	11 16	2 25	22 36	0 10	20 26	1 12	25 22	16 23	23 12	23 17	8 11		n.a.
T 14	4 35	22 6	1 32	16 5	2 20	18 58	0 52	0n 8	0 25	22 45	0 17	11 15	2 25	22 37	0 10	20 26	1 12	25 21	16 24	23 12	23 17	8 9		n.a.
F 15	4 12	23 7	0 25	15 38	2 22	18 49	0 47	0 26	0 24	22 45	0 17	11 14	2 25	22 37	0 10	20 26	1 12	25 21	16 24	23 12	23 17	8 6		n.a.
S 16	3 49	22 57	0n40	15 10	2 25	18 39	0 42	0 44	0 23	22 46	0 17	11 13	2 25	22 37	0 10	20 26	1 12	25 21	16 24	23 12	23 18	8 4		n.a.
S 17	3 25	21 41	1 43	14 41	2 26	18 29	0 36	1 2	0 23	22 46	0 17	11 13	2 26	22 37	0 10	20 27	1 12	25 20	16 24	23 12	23 18	8 1		n.a.
M18	3 2	19 27	2 40	14 10	2 27	18 18	0 31	1 20	0 22	22 47	0 17	11 12	2 26	22 37	0 10	20 27	1 12	25 20	16 24	23 12	23 18	7 59		n.a.
T 19	2 39	16 23	3 30	13 37	2 28	18 6	0 26	1 38	0 21	22 47	0 17	11 11	2 26	22 37	0 10	20 27	1 12	25 19	16 24	23 13	23 19	7 57		n.a.
W20	2 15	12 41	4 10	13 3	2 28	17 55	0 21	1 56	0 21	22 48	0 17	11 9	2 26	22 38	0 10	20 27	1 12	25 19	16 24	23 14	23 19	7 54		n.a.
T 21	1 52	8 29	4 39	12 27	2 27	17 42	0 16	2 14	0 20	22 48	0 16	11 8	2 26	22 38	0 10	20 27	1 12	25 18	16 24	23 15	23 19	7 52		n.a.
F 22	1 28	3 59	4 56	11 50	2 26	17 29	0 11	2 31	0 20	22 49	0 16	11 7	2 26	22 38	0 10	20 28	1 12	25 18	16 24	23 16	23 19	7 49		n.a.
S 23	1 5	0s42	5 0	11 11	2 25	17 16	0 6	2 49	0 19	22 49	0 16	11 6	2 26	22 38	0 10	20 28	1 12	25 18	16 25	23 17	23 20	7 47		n.a.
S 24	0 42	5 22	4 51	10 30	2 23	17 2	0 1	3 7	0 18	22 50	0 16	11 5	2 26	22 38	0 10	20 28	1 12	25 17	16 25	23 18	23 20	7 44		n.a.
M25	0 18	9 53	4 29	9 48	2 20	16 47	0s 4	3 25	0 18	22 50	0 16	11 4	2 27	22 39	0 10	20 28	1 11	25 17	16 25	23 19	23 20	7 42		n.a.
T 26	0n 5	14 4	3 54	9 5	2 17	16 32	0 8	3 42	0 17	22 50	0 16	11 3	2 27	22 39	0 10	20 29	1 11	25 16	16 25	23 20	23 20	7 40		n.a.
W27	0 29	17 43	3 8	8 20	2 13	16 17	0 13	4 0	0 16	22 51	0 16	11 2	2 27	22 39	0 10	20 29	1 11	25 16	16 25	23 20	23 21	7 37		n.a.
T 28	0 52	20 37	2 12	7 34	2 9	16 1	0 17	4 17	0 16	22 51	0 16	11 0	2 27	22 39	0 10	20 29	1 11	25 16	16 25	23 20	23 21	7 35		n.a.
F 29	1 16	22 34	1 8	6 46	2 4	15 45	0 22	4 35	0 15	22 51	0 16	10 59	2 27	22 40	0 10	20 29	1 11	25 15	16 26	23 20	23 21	7 32		n.a.
S 30	1 39	23 20	0s 1	5 57	1 59	15 28	0 26	4 52	0 15	22 52	0 16	10 58	2 27	22 40	0 10	20 30	1 11	25 15	16 26	23 20	23 21	7 30		n.a.
S 31	2n 2	22s45	1s12	5s 6	1s53	15s11	0s30	5n10	0s14	22s52	0n16	10s57	2n27	22n40	0n10	20n30	1s11	25s15	16s26	23n20	23n22	7n27		n.a.

Julian Day Number = 1575017.5, Delta T = 04h15m09s
Ecliptic obliquity = 23°44'36, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'27, Lahiri = - 9°29'27 Julian Calendar 1 March 401 BCE == Greg. Calendar 25 Feb. 401 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

APRIL 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	12 17 22	6♈ 1'47	8♒ 5	23♓31	22♒ 1	14♈10	17♐17	4°R39	11♊56	6♊30	4♓19	10°R14	9♋59	22♍45	n.a.	M 1
T 2	12 21 19	6°59'47	22°34	25°28	23° 7	14°52	17°19	4♏35	11°58	6°32	4°20	10♋10	9°56	22°52	n.a.	T 2
W 3	12 25 15	7°57'45	7♓27	27°26	24°14	15°35	17°20	4°32	12° 0	6°33	4°21	10° 3	9°52	22°59	n.a.	W 3
T 4	12 29 12	8°55'43	22°36	29°27	25°20	16°17	17°21	4°28	12° 2	6°34	4°23	9°54	9°49	23° 5	n.a.	T 4
F 5	12 33 8	9°53'38	7♈53	1♈29	26°27	16°59	17°22	4°24	12° 4	6°36	4°24	9°43	9°46	23°12	n.a.	F 5
S 6	12 37 5	10°51'32	23° 6	3°32	27°34	17°42	17°23	4°20	12° 6	6°37	4°25	9°32	9°43	23°19	n.a.	S 6
S 7	12 41 1	11°49'24	8♉ 3	5°37	28°41	18°24	17°24	4°16	12° 8	6°38	4°26	9°22	9°40	23°25	n.a.	S 7
M 8	12 44 58	12°47'15	22°38	7°43	29°48	19° 6	17°24	4°13	12°11	6°40	4°28	9°14	9°37	23°32	n.a.	M 8
T 9	12 48 54	13°45'03	6♊44	9°51	0♓55	19°48	17°24	4° 9	12°13	6°41	4°29	9° 9	9°33	23°39	n.a.	T 9
W10	12 52 51	14°42'50	20°20	12° 0	2° 2	20°31	17°R24	4° 5	12°15	6°43	4°30	9° 6	9°30	23°46	n.a.	W10
T 11	12 56 48	15°40'36	3♋28	14° 9	3°10	21°13	17°24	4° 1	12°17	6°44	4°31	9° 5	9°27	23°52	n.a.	T 11
F 12	13 0 44	16°38'19	16°12	16°19	4°17	21°55	17°24	3°56	12°20	6°46	4°32	9° 5	9°24	23°59	n.a.	F 12
S 13	13 4 41	17°36'01	28°35	18°30	5°25	22°37	17°23	3°52	12°22	6°48	4°33	9° 5	9°21	24° 6	n.a.	S 13
S 14	13 8 37	18°33'41	10♌44	20°41	6°33	23°19	17°23	3°48	12°25	6°49	4°35	9° 3	9°17	24°12	n.a.	S 14
M15	13 12 34	19°31'19	22°42	22°52	7°40	24° 1	17°22	3°44	12°27	6°51	4°36	8°59	9°14	24°19	n.a.	M15
T 16	13 16 30	20°28'55	4♍35	25° 2	8°48	24°43	17°21	3°40	12°30	6°52	4°37	8°53	9°11	24°26	n.a.	T 16
W17	13 20 27	21°26'30	16°26	27°12	9°56	25°24	17°19	3°36	12°32	6°54	4°38	8°44	9° 8	24°33	n.a.	W17
T 18	13 24 23	22°24'04	28°18	29°21	11° 5	26° 6	17°18	3°31	12°35	6°56	4°39	8°32	9° 5	24°39	n.a.	T 18
F 19	13 28 20	23°21'36	10♎13	1♉29	12°13	26°48	17°16	3°27	12°37	6°57	4°40	8°19	9° 2	24°46	n.a.	F 19
S 20	13 32 17	24°19'07	22°13	3°36	13°21	27°29	17°14	3°23	12°40	6°59	4°41	8° 6	8°58	24°53	n.a.	S 20
S 21	13 36 13	25°16'36	4♏19	5°40	14°30	28°11	17°12	3°18	12°43	7° 1	4°42	7°54	8°55	25° 0	n.a.	S 21
M22	13 40 10	26°14'04	16°32	7°43	15°38	28°53	17°10	3°14	12°45	7° 3	4°43	7°43	8°52	25° 6	n.a.	M22
T 23	13 44 6	27°11'32	28°54	9°44	16°47	29°34	17° 8	3°10	12°48	7° 4	4°44	7°35	8°49	25°13	n.a.	T 23
W24	13 48 3	28° 8'58	11♐26	11°43	17°56	0♉16	17° 5	3° 5	12°51	7° 6	4°45	7°30	8°46	25°20	n.a.	W24
T 25	13 51 59	29° 6'23	24° 9	13°39	19° 4	0°57	17° 2	3° 1	12°54	7° 8	4°46	7°27	8°43	25°26	n.a.	T 25
F 26	13 55 56	0♉ 3'48	7♑ 6	15°33	20°13	1°38	16°59	2°57	12°57	7°10	4°47	7°D27	8°39	25°33	n.a.	F 26
S 27	13 59 52	1° 1'11	20°20	17°25	21°22	2°20	16°56	2°52	13° 0	7°12	4°48	7°27	8°36	25°40	n.a.	S 27
S 28	14 3 49	1°58'34	3♒54	19°13	22°31	3° 1	16°53	2°48	13° 2	7°14	4°49	7°R27	8°33	25°47	n.a.	S 28
M29	14 7 46	2°55'56	17°49	21° 0	23°40	3°42	16°49	2°43	13° 5	7°16	4°50	7°26	8°30	25°53	n.a.	M29
T 30	14 11 42	3♉53'18	2♓ 6	22♉43	24♓50	4♉24	16♐46	2♏39	13♊ 8	7♊17	4♓51	7♋23	8♋27	26♍ 0	n.a.	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	2n25	20s45	2s21	4s14	1s47	14s53	0s34	5n27	0s13	22s52	0n16	10s55	2n27	22n40	0n10	20n30	1s11	25s14	16s26	23n21	23n22	7n25		n.a.
T 2	2 49	17 22	3 23	3 21	1 40	14 35	0 38	5 44	0 13	22 52	0 15	10 54	2 27	22 41	0 10	20 30	1 11	25 14	16 26	23 21	23 22	7 22		n.a.
W 3	3 12	12 48	4 14	2 26	1 32	14 16	0 42	6 1	0 12	22 53	0 15	10 53	2 27	22 41	0 10	20 31	1 11	25 14	16 27	23 21	23 22	7 20		n.a.
T 4	3 35	7 21	4 47	1 31	1 24	13 57	0 46	6 18	0 12	22 53	0 15	10 52	2 28	22 41	0 10	20 31	1 11	25 13	16 27	23 22	23 22	7 17		n.a.
F 5	3 58	1 25	5 0	0 34	1 16	13 38	0 49	6 35	0 11	22 53	0 15	10 50	2 28	22 41	0 10	20 31	1 11	25 13	16 27	23 23	23 23	7 15		n.a.
S 6	4 21	4n34	4 52	0n24	1 7	13 18	0 53	6 52	0 10	22 53	0 15	10 49	2 28	22 42	0 10	20 31	1 11	25 13	16 27	23 24	23 23	7 13		n.a.
S 7	4 44	10 13	4 24	1 22	0 58	12 58	0 56	7 9	0 10	22 53	0 15	10 47	2 28	22 42	0 10	20 32	1 11	25 13	16 27	23 24	23 23	7 10		n.a.
M 8	5 7	15 8	3 39	2 21	0 49	12 37	1 0	7 26	0 9	22 53	0 15	10 46	2 28	22 42	0 10	20 32	1 11	25 12	16 28	23 25	23 23	7 8		n.a.
T 9	5 30	19 3	2 42	3 21	0 39	12 16	1 3	7 43	0 8	22 54	0 15	10 45	2 28	22 43	0 10	20 32	1 11	25 12	16 28	23 25	23 24	7 5		n.a.
W10	5 52	21 46	1 37	4 21	0 29	11 55	1 6	7 59	0 8	22 54	0 15	10 43	2 28	22 43	0 10	20 33	1 11	25 12	16 28	23 26	23 24	7 3		n.a.
T 11	6 15	23 12	0 30	5 22	0 19	11 33	1 10	8 16	0 7	22 54	0 15	10 42	2 28	22 43	0 10	20 33	1 11	25 12	16 28	23 26	23 24	7 0		n.a.
F 12	6 37	23 22	0n38	6 22	0 8	11 11	1 13	8 32	0 7	22 54	0 15	10 40	2 28	22 44	0 10	20 33	1 11	25 11	16 29	23 26	23 24	6 58		n.a.
S 13	7 0	22 21	1 41	7 23	0n 3	10 49	1 15	8 49	0 6	22 54	0 14	10 39	2 28	22 44	0 10	20 34	1 11	25 11	16 29	23 26	23 25	6 55		n.a.
S 14	7 22	20 19	2 39	8 23	0 13	10 26	1 18	9 5	0 5	22 54	0 14	10 38	2 28	22 44	0 10	20 34	1 11	25 11	16 29	23 26	23 25	6 53		n.a.
M15	7 44	17 24	3 29	9 22	0 24	10 3	1 21	9 21	0 5	22 54	0 14	10 36	2 28	22 44	0 10	20 34	1 11	25 11	16 29	23 26	23 25	6 50		n.a.
T 16	8 6	13 48	4 9	10 20	0 34	9 40	1 24	9 38	0 4	22 54	0 14	10 35	2 28	22 45	0 10	20 34	1 11	25 11	16 30	23 27	23 25	6 48		n.a.
W17	8 28	9 41	4 38	11 18	0 44	9 16	1 26	9 54	0 3	22 54	0 14	10 33	2 28	22 45	0 10	20 35	1 10	25 10	16 30	23 27	23 25	6 45		n.a.
T 18	8 50	5 12	4 56	12 14	0 54	8 52	1 29	10 10	0 3	22 54	0 14	10 32	2 28	22 46	0 10	20 35	1 10	25 10	16 30	23 28	23 26	6 43		n.a.
F 19	9 11	0 30	5 0	13 8	1 4	8 28	1 31	10 25	0 2	22 54	0 14	10 30	2 28	22 46	0 10	20 35	1 10	25 10	16 30	23 29	23 26	6 40		n.a.
S 20	9 33	4s15	4 52	14 1	1 13	8 3	1 33	10 41	0 2	22 54	0 14	10 29	2 28	22 46	0 10	20 36	1 10	25 10	16 31	23 30	23 26	6 38		n.a.
S 21	9 54	8 53	4 30	14 52	1 22	7 38	1 35	10 57	0 1	22 54	0 14	10 27	2 28	22 47	0 10	20 36	1 10	25 10	16 31	23 30	23 26	6 35		n.a.
M22	10 15	13 14	3 55	15 41	1 30	7 13	1 37	11 12	0 0	22 53	0 14	10 26	2 28	22 47	0 10	20 36	1 10	25 10	16 31	23 31	23 27	6 33		n.a.
T 23	10 36	17 5	3 9	16 28	1 38	6 48	1 39	11 28	0n 0	22 53	0 13	10 24	2 28	22 47	0 10	20 37	1 10	25 9	16 31	23 31	23 27	6 30		n.a.
W24	10 57	20 14	2 13	17 12	1 45	6 23	1 41	11 43	0 1	22 53	0 13	10 23	2 28	22 48	0 10	20 37	1 10	25 9	16 32	23 32	23 27	6 28		n.a.
T 25	11 18	22 27	1 10	17 55	1 52	5 57	1 43	11 58	0 1	22 53	0 13	10 21	2 28	22 48	0 10	20 37	1 10	25 9	16 32	23 32	23 27	6 25		n.a.
F 26	11 38	23 31	0 2	18 34	1 57	5 31	1 44	12 14	0 2	22 53	0 13	10 20	2 28	22 48	0 10	20 38	1 10	25 9	16 32	23 32	23 27	6 23		n.a.
S 27	11 59	23 18	1s 8	19 12	2 2	5 5	1 46	12 29	0 3	22 53	0 13	10 18	2 28	22 49	0 10	20 38	1 10	25 9	16 33	23 32	23 28	6 20		n.a.
S 28	12 19	21 43	2 16	19 47	2 7	4 39	1 47	12 43	0 3	22 52	0 13	10 17	2 28	22 49	0 10	20 38	1 10	25 9	16 33	23 32	23 28	6 18		n.a.
M29	12 39	18 49	3 18	20 20	2 10	4 12	1 49	12 58	0 4	22 52	0 13	10 15	2 28	22 49	0 10	20 39	1 10	25 9	16 33	23 32	23 28	6 15		n.a.
T 30	12n58	14s43	4s 9	20n50	2n13	3s46	1s50	13n13	0n 4	22s52	0n13	10s14	2n28	22n50	0n10	20n39	1s10	25s 9	16s34	23n32	23n28	6n13		n.a.

Julian Day Number = 1575048.5, Delta T = 04h15m07s
Ecliptic obliquity = 23°44'37, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'23, Lahiri = - 9°29'23 Julian Calendar 1 Apr. 401 BCE == Greg. Calendar 27 March 401 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

MAY 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	14 15 39	4♉50'38	16♓42	24♉23	25♓59	5♉ 5	16°R42	2°R35	13♊11	7♊19	4♓51	7°R18	8♋23	26♍ 7	n.a.	W 1
T 2	14 19 35	5°47'58	1♈34	26° 1	27° 8	5°46	16♐38	2♏30	13°14	7°21	4°52	7♋11	8°20	26°13	n.a.	T 2
F 3	14 23 32	6°45'17	16°34	27°36	28°18	6°27	16°34	2°26	13°17	7°23	4°53	7° 2	8°17	26°20	n.a.	F 3
S 4	14 27 28	7°42'36	1♉33	29° 8	29°27	7° 8	16°30	2°21	13°21	7°25	4°54	6°53	8°14	26°27	n.a.	S 4
S 5	14 31 25	8°39'53	16°21	0♊37	0♈37	7°49	16°25	2°17	13°24	7°27	4°55	6°45	8°11	26°34	n.a.	S 5
M 6	14 35 21	9°37'10	0♊51	2° 4	1°46	8°30	16°20	2°13	13°27	7°29	4°55	6°39	8° 8	26°40	n.a.	M 6
T 7	14 39 18	10°34'26	14°57	3°27	2°56	9°11	16°16	2° 8	13°30	7°31	4°56	6°35	8° 4	26°47	n.a.	T 7
W 8	14 43 15	11°31'41	28°36	4°47	4° 6	9°52	16°11	2° 4	13°33	7°33	4°57	6°33	8° 1	26°54	n.a.	W 8
T 9	14 47 11	12°28'56	11♋47	6° 4	5°16	10°33	16° 6	2° 0	13°36	7°35	4°57	6°D33	7°58	27° 0	n.a.	T 9
F 10	14 51 8	13°26'09	24°35	7°19	6°26	11°13	16° 0	1°55	13°40	7°38	4°58	6°33	7°55	27° 7	n.a.	F 10
S 11	14 55 4	14°23'21	7♌ 1	8°30	7°36	11°54	15°55	1°51	13°43	7°40	4°59	6°34	7°52	27°14	n.a.	S 11
S 12	14 59 1	15°20'33	19°12	9°38	8°46	12°35	15°49	1°47	13°46	7°42	4°59	6°R34	7°48	27°21	n.a.	S 12
M13	15 2 57	16°17'43	1♍12	10°42	9°56	13°16	15°44	1°43	13°49	7°44	5° 0	6°33	7°45	27°27	n.a.	M13
T 14	15 6 54	17°14'53	13° 5	11°44	11° 6	13°56	15°38	1°39	13°53	7°46	5° 1	6°30	7°42	27°34	n.a.	T 14
W15	15 10 50	18°12'02	24°57	12°41	12°16	14°37	15°32	1°34	13°56	7°48	5° 1	6°25	7°39	27°41	n.a.	W15
T 16	15 14 47	19° 9'10	6♎51	13°36	13°26	15°17	15°26	1°30	13°59	7°50	5° 2	6°18	7°36	27°48	n.a.	T 16
F 17	15 18 44	20° 6'18	18°50	14°27	14°37	15°58	15°20	1°26	14° 3	7°52	5° 2	6°10	7°33	27°54	n.a.	F 17
S 18	15 22 40	21° 3'25	0♏57	15°14	15°47	16°38	15°13	1°22	14° 6	7°54	5° 3	6° 2	7°29	28° 1	n.a.	S 18
S 19	15 26 37	22° 0'31	13°13	15°57	16°57	17°19	15° 7	1°18	14°10	7°57	5° 3	5°54	7°26	28° 8	n.a.	S 19
M20	15 30 33	22°57'37	25°39	16°36	18° 8	17°59	15° 1	1°14	14°13	7°59	5° 4	5°47	7°23	28°14	n.a.	M20
T 21	15 34 30	23°54'43	8♐16	17°12	19°18	18°39	14°54	1°10	14°17	8° 1	5° 4	5°42	7°20	28°21	n.a.	T 21
W22	15 38 26	24°51'49	21° 5	17°43	20°29	19°20	14°47	1° 7	14°20	8° 3	5° 5	5°40	7°17	28°28	n.a.	W22
T 23	15 42 23	25°48'55	4♑ 6	18°10	21°40	20° 0	14°40	1° 3	14°24	8° 5	5° 5	5°D39	7°14	28°35	n.a.	T 23
F 24	15 46 20	26°46'01	17°19	18°33	22°50	20°40	14°33	0°59	14°27	8° 7	5° 5	5°39	7°10	28°41	n.a.	F 24
S 25	15 50 16	27°43'06	0♒46	18°51	24° 1	21°20	14°26	0°55	14°31	8°10	5° 6	5°40	7° 7	28°48	n.a.	S 25
S 26	15 54 13	28°40'12	14°27	19° 5	25°12	22° 0	14°19	0°52	14°34	8°12	5° 6	5°42	7° 4	28°55	n.a.	S 26
M27	15 58 9	29°37'18	28°22	19°14	26°23	22°40	14°12	0°48	14°38	8°14	5° 7	5°R42	7° 1	29° 2	n.a.	M27
T 28	16 2 6	0♊34'24	12♓32	19°19	27°34	23°20	14° 5	0°44	14°41	8°16	5° 7	5°42	6°58	29° 8	n.a.	T 28
W29	16 6 2	1°31'30	26°53	19°R19	28°45	24° 0	13°58	0°41	14°45	8°18	5° 7	5°40	6°54	29°15	n.a.	W29
T 30	16 9 59	2°28'37	11♈25	19°14	29°56	24°40	13°50	0°38	14°48	8°21	5° 7	5°36	6°51	29°22	n.a.	T 30
F 31	16 13 55	3♊25'44	26♈ 0	19♊ 5	1♉ 7	25♉20	13♐43	0♏34	14♊52	8♊23	5♓ 8	5♋32	6♋48	29♍28	n.a.	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
W 1	13n18	9s40	4s45	21n18	2n16	3s19	1s51	13n28	0n 5	22s52	0n13	10s13	2n28	22n50	0n10	20n40	1s10	25s 9	16s34	23n32	23n28	6n10			n.a.
T 2	13 37	3 59	5 2	21 43	2 17	2 52	1 52	13 42	0 6	22 51	0 12	10 11	2 28	22 51	0 10	20 40	1 10	25 9	16 34	23 33	23 29	6 7			n.a.
F 3	13 57	1n59	5 0	22 6	2 18	2 25	1 53	13 56	0 6	22 51	0 12	10 10	2 28	22 51	0 10	20 40	1 10	25 9	16 35	23 33	23 29	6 5			n.a.
S 4	14 15	7 50	4 37	22 27	2 17	1 58	1 54	14 10	0 7	22 51	0 12	10 8	2 28	22 51	0 10	20 41	1 10	25 9	16 35	23 34	23 29	6 2			n.a.
S 5	14 34	13 11	3 55	22 46	2 17	1 30	1 55	14 25	0 7	22 50	0 12	10 7	2 28	22 52	0 10	20 41	1 10	25 9	16 35	23 34	23 29	6 0			n.a.
M 6	14 53	17 40	2 59	23 2	2 15	1 3	1 56	14 39	0 8	22 50	0 12	10 5	2 28	22 52	0 10	20 41	1 10	25 9	16 36	23 34	23 29	5 57			n.a.
T 7	15 11	21 1	1 53	23 17	2 12	0 35	1 56	14 52	0 9	22 50	0 12	10 4	2 27	22 53	0 10	20 42	1 10	25 9	16 36	23 35	23 30	5 55			n.a.
W 8	15 29	23 2	0 43	23 29	2 9	0 8	1 57	15 6	0 9	22 49	0 12	10 2	2 27	22 53	0 10	20 42	1 10	25 9	16 36	23 35	23 30	5 52			n.a.
T 9	15 47	23 41	0n28	23 39	2 5	0n20	1 57	15 20	0 10	22 49	0 12	10 1	2 27	22 53	0 10	20 42	1 10	25 9	16 37	23 35	23 30	5 50			n.a.
F 10	16 4	23 3	1 35	23 47	2 1	0 48	1 57	15 33	0 10	22 48	0 11	10 0	2 27	22 54	0 10	20 43	1 10	25 9	16 37	23 35	23 30	5 47			n.a.
S 11	16 22	21 16	2 36	23 54	1 55	1 15	1 58	15 46	0 11	22 48	0 11	9 58	2 27	22 54	0 10	20 43	1 10	25 9	16 37	23 35	23 30	5 45			n.a.
S 12	16 39	18 33	3 29	23 59	1 49	1 43	1 58	16 0	0 12	22 48	0 11	9 57	2 27	22 55	0 10	20 43	1 10	25 9	16 38	23 35	23 31	5 42			n.a.
M13	16 55	15 5	4 11	24 1	1 42	2 11	1 58	16 13	0 12	22 47	0 11	9 56	2 27	22 55	0 10	20 44	1 10	25 9	16 38	23 35	23 31	5 39			n.a.
T 14	17 12	11 3	4 42	24 3	1 35	2 39	1 58	16 26	0 13	22 47	0 11	9 54	2 27	22 55	0 10	20 44	1 10	25 9	16 38	23 35	23 31	5 37			n.a.
W15	17 28	6 38	5 1	24 2	1 26	3 6	1 58	16 38	0 13	22 46	0 11	9 53	2 27	22 56	0 10	20 45	1 10	25 9	16 39	23 35	23 31	5 34			n.a.
T 16	17 44	1 56	5 7	24 0	1 17	3 34	1 57	16 51	0 14	22 46	0 11	9 52	2 27	22 56	0 10	20 45	1 10	25 9	16 39	23 35	23 31	5 32			n.a.
F 17	18 0	2s51	5 0	23 57	1 8	4 2	1 57	17 3	0 14	22 45	0 11	9 50	2 26	22 57	0 10	20 45	1 10	25 10	16 39	23 36	23 32	5 29			n.a.
S 18	18 15	7 36	4 39	23 52	0 57	4 30	1 57	17 16	0 15	22 44	0 10	9 49	2 26	22 57	0 10	20 46	1 10	25 10	16 40	23 36	23 32	5 27			n.a.
S 19	18 30	12 7	4 5	23 45	0 46	4 58	1 56	17 28	0 16	22 44	0 10	9 48	2 26	22 58	0 10	20 46	1 10	25 10	16 40	23 37	23 32	5 24			n.a.
M20	18 45	16 12	3 19	23 38	0 34	5 25	1 56	17 40	0 16	22 43	0 10	9 46	2 26	22 58	0 10	20 46	1 10	25 10	16 40	23 37	23 32	5 21			n.a.
T 21	18 59	19 37	2 23	23 29	0 22	5 53	1 55	17 52	0 17	22 43	0 10	9 45	2 26	22 58	0 10	20 47	1 9	25 10	16 41	23 37	23 32	5 19			n.a.
W22	19 13	22 8	1 18	23 19	0 9	6 20	1 54	18 4	0 17	22 42	0 10	9 44	2 26	22 59	0 10	20 47	1 9	25 10	16 41	23 37	23 32	5 16			n.a.
T 23	19 27	23 32	0 8	23 8	0s 4	6 48	1 54	18 15	0 18	22 41	0 10	9 43	2 26	22 59	0 10	20 48	1 9	25 11	16 42	23 37	23 33	5 14			n.a.
F 24	19 41	23 39	1s 3	22 56	0 18	7 15	1 53	18 27	0 19	22 41	0 10	9 42	2 25	23 0	0 10	20 48	1 9	25 11	16 42	23 37	23 33	5 11			n.a.
S 25	19 54	22 23	2 12	22 43	0 33	7 42	1 52	18 38	0 19	22 40	0 9	9 40	2 25	23 0	0 10	20 48	1 9	25 11	16 42	23 37	23 33	5 9			n.a.
S 26	20 7	19 49	3 15	22 30	0 48	8 9	1 51	18 49	0 20	22 39	0 9	9 39	2 25	23 0	0 10	20 49	1 9	25 11	16 43	23 37	23 33	5 6			n.a.
M27	20 20	16 3	4 8	22 15	1 3	8 36	1 50	19 0	0 20	22 39	0 9	9 38	2 25	23 1	0 10	20 49	1 9	25 11	16 43	23 37	23 33	5 3			n.a.
T 28	20 32	11 21	4 47	22 0	1 19	9 3	1 49	19 11	0 21	22 38	0 9	9 37	2 25	23 1	0 10	20 49	1 9	25 12	16 43	23 37	23 33	5 1			n.a.
W29	20 44	5 57	5 8	21 44	1 35	9 30	1 47	19 21	0 21	22 37	0 9	9 36	2 25	23 2	0 10	20 50	1 9	25 12	16 44	23 37	23 34	4 58			n.a.
T 30	20 55	0 11	5 10	21 28	1 50	9 56	1 46	19 32	0 22	22 37	0 9	9 35	2 24	23 2	0 10	20 50	1 9	25 12	16 44	23 37	23 34	4 56			n.a.
F 31	21n 6	5n38	4s52	21n11	2s 6	10n23	1s45	19n42	0n23	22s36	0n 8	9s34	2n24	23n 2	0n10	20n50	1s 9	25s12	16s44	23n38	23n34	4n53			n.a.

Julian Day Number = 1575078.5, Delta T = 04h15m06s
Ecliptic obliquity = 23°44'37, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'19, Lahiri = - 9°29'19 Julian Calendar 1 May 401 BCE == Greg. Calendar 26 Apr. 401 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

JUNE 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 17 52	4♊22'51	10♉35	18°R51	2♉18	26♉ 0	13°R35	0°R31	14♊55	8♊25	5♓ 8	5°R28	6♋45	29♍35	n.a.	S 1
S 2	16 21 49	5°19'58	25° 1	18♊34	3°29	26°40	13♐28	0♏28	14°59	8°27	5° 8	5♋24	6°42	29°42	n.a.	S 2
M 3	16 25 45	6°17'06	9♊13	18°12	4°41	27°20	13°20	0°25	15° 3	8°30	5° 8	5°20	6°39	29°49	n.a.	M 3
T 4	16 29 42	7°14'14	23° 6	17°46	5°52	28° 0	13°13	0°21	15° 6	8°32	5° 8	5°19	6°35	29°55	n.a.	T 4
W 5	16 33 38	8°11'22	6♋38	17°17	7° 3	28°40	13° 5	0°18	15°10	8°34	5° 8	5°D18	6°32	0♎ 2	n.a.	W 5
T 6	16 37 35	9° 8'30	19°47	16°45	8°15	29°19	12°57	0°15	15°13	8°36	5° 9	5°19	6°29	0° 9	n.a.	T 6
F 7	16 41 31	10° 5'38	2♌35	16°11	9°26	29°59	12°50	0°13	15°17	8°39	5° 9	5°20	6°26	0°15	n.a.	F 7
S 8	16 45 28	11° 2'46	15° 3	15°34	10°38	0♊39	12°42	0°10	15°21	8°41	5° 9	5°22	6°23	0°22	n.a.	S 8
S 9	16 49 25	11°59'54	27°16	14°56	11°49	1°18	12°34	0° 7	15°24	8°43	5° 9	5°23	6°20	0°29	n.a.	S 9
M10	16 53 21	12°57'02	9♍18	14°17	13° 1	1°58	12°26	0° 4	15°28	8°45	5°R 9	5°R24	6°16	0°36	n.a.	M10
T 11	16 57 18	13°54'10	21°13	13°39	14°12	2°37	12°19	0° 2	15°32	8°47	5° 9	5°24	6°13	0°42	n.a.	T 11
W12	17 1 14	14°51'19	3♎ 6	13° 0	15°24	3°17	12°11	29♎59	15°35	8°50	5° 9	5°22	6°10	0°49	n.a.	W12
T 13	17 5 11	15°48'27	15° 2	12°23	16°36	3°56	12° 3	29°57	15°39	8°52	5° 9	5°21	6° 7	0°56	n.a.	T 13
F 14	17 9 7	16°45'36	27° 4	11°48	17°47	4°36	11°56	29°55	15°42	8°54	5° 9	5°18	6° 4	1° 3	n.a.	F 14
S 15	17 13 4	17°42'45	9♏16	11°15	18°59	5°15	11°48	29°52	15°46	8°56	5° 8	5°15	6° 0	1° 9	n.a.	S 15
S 16	17 17 0	18°39'55	21°41	10°46	20°11	5°55	11°40	29°50	15°50	8°59	5° 8	5°13	5°57	1°16	n.a.	S 16
M17	17 20 57	19°37'05	4♐20	10°20	21°23	6°34	11°33	29°48	15°53	9° 1	5° 8	5°11	5°54	1°23	n.a.	M17
T 18	17 24 54	20°34'16	17°15	9°58	22°35	7°13	11°25	29°46	15°57	9° 3	5° 8	5°10	5°51	1°29	n.a.	T 18
W19	17 28 50	21°31'27	0♑24	9°41	23°47	7°53	11°18	29°44	16° 1	9° 5	5° 8	5°D 9	5°48	1°36	n.a.	W19
T 20	17 32 47	22°28'39	13°48	9°29	24°59	8°32	11°10	29°42	16° 4	9° 7	5° 8	5° 9	5°45	1°43	n.a.	T 20
F 21	17 36 43	23°25'52	27°25	9°22	26°11	9°11	11° 3	29°41	16° 8	9°10	5° 7	5°10	5°41	1°50	n.a.	F 21
S 22	17 40 40	24°23'06	11♒14	9°D21	27°23	9°50	10°56	29°39	16°11	9°12	5° 7	5°11	5°38	1°56	n.a.	S 22
S 23	17 44 36	25°20'21	25°13	9°26	28°35	10°29	10°48	29°37	16°15	9°14	5° 7	5°11	5°35	2° 3	n.a.	S 23
M24	17 48 33	26°17'37	9♓19	9°36	29°48	11° 8	10°41	29°36	16°19	9°16	5° 7	5°12	5°32	2°10	n.a.	M24
T 25	17 52 29	27°14'54	23°31	9°53	1♊ 0	11°47	10°34	29°35	16°22	9°18	5° 6	5°R12	5°29	2°17	n.a.	T 25
W26	17 56 26	28°12'12	7♈46	10°15	2°12	12°26	10°27	29°33	16°26	9°20	5° 6	5°12	5°26	2°23	n.a.	W26
T 27	18 0 23	29° 9'31	22° 1	10°44	3°25	13° 5	10°20	29°32	16°29	9°22	5° 6	5°12	5°22	2°30	n.a.	T 27
F 28	18 4 19	0♋ 6'52	6♉14	11°19	4°37	13°44	10°13	29°31	16°33	9°25	5° 5	5°11	5°19	2°37	n.a.	F 28
S 29	18 8 16	1° 4'14	20°21	11°59	5°50	14°23	10° 6	29°30	16°37	9°27	5° 5	5°11	5°16	2°43	n.a.	S 29
S 30	18 12 12	2♋ 1'37	4♊20	12♊46	7♊ 2	15♊ 2	10♐ 0	29♎29	16♊40	9♊29	5♓ 4	5♋11	5♋13	2♎50	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	21n17	11n 9	4s15	20n55	2s22	10n49	1s43	19n52	0n23	22s35	0n 8	9s33	2n24	23n 3	0n10	20n51	1s 9	25s13	16s45	23n38	23n34	4n50		n.a.
S 2	21 28	15 59	3 23	20 38	2 38	11 15	1 42	20 3	0 24	22 34	0 8	9 32	2 24	23 3	0 10	20 51	1 9	25 13	16 45	23 38	23 34	4 48		n.a.
M 3	21 38	19 51	2 18	20 21	2 53	11 40	1 40	20 12	0 24	22 33	0 8	9 31	2 24	23 4	0 10	20 52	1 9	25 13	16 46	23 38	23 34	4 45		n.a.
T 4	21 48	22 27	1 6	20 4	3 8	12 6	1 39	20 22	0 25	22 33	0 8	9 30	2 23	23 4	0 10	20 52	1 9	25 13	16 46	23 38	23 35	4 43		n.a.
W 5	21 57	23 42	0n 7	19 47	3 22	12 31	1 37	20 32	0 25	22 32	0 8	9 29	2 23	23 5	0 10	20 52	1 9	25 14	16 46	23 38	23 35	4 40		n.a.
T 6	22 6	23 34	1 19	19 31	3 35	12 56	1 35	20 41	0 26	22 31	0 8	9 29	2 23	23 5	0 10	20 53	1 9	25 14	16 47	23 38	23 35	4 37		n.a.
F 7	22 15	22 10	2 24	19 15	3 47	13 21	1 33	20 50	0 26	22 30	0 7	9 28	2 23	23 5	0 10	20 53	1 9	25 14	16 47	23 38	23 35	4 35		n.a.
S 8	22 23	19 43	3 21	19 0	3 58	13 45	1 32	20 59	0 27	22 29	0 7	9 27	2 23	23 6	0 10	20 53	1 9	25 15	16 47	23 38	23 35	4 32		n.a.
S 9	22 31	16 27	4 8	18 47	4 8	14 9	1 30	21 8	0 28	22 28	0 7	9 26	2 22	23 6	0 10	20 54	1 9	25 15	16 48	23 38	23 35	4 29		n.a.
M10	22 38	12 32	4 43	18 34	4 16	14 33	1 28	21 17	0 28	22 28	0 7	9 25	2 22	23 7	0 10	20 54	1 9	25 15	16 48	23 38	23 36	4 27		n.a.
T 11	22 46	8 11	5 5	18 22	4 23	14 56	1 26	21 25	0 29	22 27	0 7	9 25	2 22	23 7	0 10	20 54	1 9	25 16	16 49	23 38	23 36	4 24		n.a.
W12	22 52	3 33	5 14	18 12	4 29	15 20	1 24	21 33	0 29	22 26	0 7	9 24	2 22	23 7	0 10	20 55	1 9	25 16	16 49	23 38	23 36	4 22		n.a.
T 13	22 59	1s14	5 10	18 3	4 33	15 42	1 22	21 42	0 30	22 25	0 6	9 23	2 22	23 8	0 10	20 55	1 9	25 16	16 49	23 38	23 36	4 19		n.a.
F 14	23 5	6 1	4 52	17 56	4 35	16 5	1 20	21 50	0 30	22 24	0 6	9 23	2 21	23 8	0 10	20 56	1 9	25 17	16 50	23 38	23 36	4 16		n.a.
S 15	23 10	10 38	4 21	17 51	4 36	16 27	1 17	21 57	0 31	22 23	0 6	9 22	2 21	23 9	0 10	20 56	1 9	25 17	16 50	23 38	23 36	4 14		n.a.
S 16	23 15	14 55	3 37	17 48	4 35	16 49	1 15	22 5	0 31	22 22	0 6	9 22	2 21	23 9	0 10	20 56	1 9	25 17	16 50	23 38	23 36	4 11		n.a.
M17	23 20	18 38	2 42	17 47	4 33	17 10	1 13	22 12	0 32	22 21	0 6	9 21	2 21	23 9	0 10	20 57	1 9	25 18	16 51	23 38	23 37	4 8		n.a.
T 18	23 24	21 30	1 37	17 48	4 29	17 31	1 11	22 20	0 33	22 21	0 6	9 21	2 20	23 10	0 10	20 57	1 9	25 18	16 51	23 38	23 37	4 6		n.a.
W19	23 28	23 18	0 26	17 51	4 23	17 51	1 8	22 27	0 33	22 20	0 5	9 20	2 20	23 10	0 10	20 57	1 9	25 19	16 52	23 38	23 37	4 3		n.a.
T 20	23 32	23 48	0s48	17 55	4 17	18 11	1 6	22 34	0 34	22 19	0 5	9 20	2 20	23 11	0 10	20 58	1 9	25 19	16 52	23 38	23 37	4 0		n.a.
F 21	23 35	22 54	2 0	18 2	4 9	18 31	1 4	22 40	0 34	22 18	0 5	9 19	2 20	23 11	0 10	20 58	1 9	25 19	16 52	23 38	23 37	3 58		n.a.
S 22	23 37	20 37	3 7	18 11	4 0	18 50	1 1	22 47	0 35	22 17	0 5	9 19	2 19	23 11	0 10	20 58	1 9	25 20	16 53	23 38	23 37	3 55		n.a.
S 23	23 40	17 5	4 3	18 22	3 50	19 9	0 59	22 53	0 35	22 16	0 5	9 19	2 19	23 12	0 10	20 59	1 9	25 20	16 53	23 38	23 37	3 53		n.a.
M24	23 41	12 34	4 45	18 34	3 39	19 27	0 56	22 59	0 36	22 15	0 5	9 18	2 19	23 12	0 10	20 59	1 9	25 21	16 53	23 38	23 38	3 50		n.a.
T 25	23 43	7 20	5 10	18 48	3 27	19 45	0 54	23 5	0 36	22 14	0 5	9 18	2 19	23 13	0 10	20 59	1 9	25 21	16 54	23 38	23 38	3 47		n.a.
W26	23 44	1 43	5 16	19 4	3 14	20 2	0 51	23 11	0 37	22 14	0 4	9 18	2 18	23 13	0 10	21 0	1 9	25 22	16 54	23 38	23 38	3 45		n.a.
T 27	23 44	4n 0	5 3	19 21	3 1	20 19	0 49	23 17	0 37	22 13	0 4	9 18	2 18	23 13	0 11	21 0	1 9	25 22	16 54	23 38	23 38	3 42		n.a.
F 28	23 45	9 30	4 31	19 40	2 47	20 35	0 46	23 22	0 38	22 12	0 4	9 18	2 18	23 14	0 11	21 0	1 9	25 23	16 55	23 38	23 38	3 39		n.a.
S 29	23 44	14 28	3 44	19 59	2 33	20 50	0 43	23 27	0 38	22 11	0 4	9 17	2 18	23 14	0 11	21 0	1 9	25 23	16 55	23 38	23 38	3 37		n.a.
S 30	23n44	18n37	2s43	20n19	2s19	21n 5	0s41	23n32	0n39	22s10	0n 4	9s17	2n17	23n14	0n11	21n 1	1s 9	25s24	16s55	23n38	23n38	3n34		n.a.

Julian Day Number = 1575109.5, Delta T = 04h15m05s
Ecliptic obliquity = 23°44'36, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'15, Lahiri = - 9°29'14 Julian Calendar 1 June 401 BCE == Greg. Calendar 27 May 401 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

JULY 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	18 16 9	2♋59'01	18♊ 6	13♊39	8♊15	15♊41	9°R53	29°R28	16♊44	9♊31	5°R 4	5°R10	5♋10	2♎57	n.a.	M 1
T 2	18 20 5	3°56'27	1♋38	14°38	9°28	16°20	9♐47	29♎27	16°47	9°33	5♓ 3	5°D10	5° 6	3° 4	n.a.	T 2
W 3	18 24 2	4°53'53	14°54	15°42	10°40	16°59	9°40	29°27	16°51	9°35	5° 3	5°R10	5° 3	3°10	n.a.	W 3
T 4	18 27 58	5°51'21	27°52	16°52	11°53	17°38	9°34	29°26	16°54	9°37	5° 2	5♋10	5° 0	3°17	n.a.	T 4
F 5	18 31 55	6°48'49	10♌34	18° 7	13° 6	18°17	9°28	29°26	16°58	9°39	5° 2	5°10	4°57	3°24	n.a.	F 5
S 6	18 35 52	7°46'19	22°59	19°28	14°19	18°55	9°22	29°25	17° 1	9°41	5° 1	5°10	4°54	3°30	n.a.	S 6
S 7	18 39 48	8°43'49	5♍12	20°53	15°31	19°34	9°16	29°25	17° 5	9°43	5° 1	5°10	4°51	3°37	n.a.	S 7
M 8	18 43 45	9°41'21	17°13	22°24	16°44	20°13	9°10	29°25	17° 8	9°45	5° 0	5° 9	4°47	3°44	n.a.	M 8
T 9	18 47 41	10°38'54	29° 9	23°59	17°57	20°51	9° 5	29°D25	17°11	9°47	5° 0	5° 9	4°44	3°51	n.a.	T 9
W10	18 51 38	11°36'27	11♎ 2	25°38	19°10	21°30	8°59	29°25	17°15	9°49	4°59	5°D 9	4°41	3°57	n.a.	W10
T 11	18 55 34	12°34'02	22°58	27°20	20°23	22° 8	8°54	29°25	17°18	9°51	4°58	5° 9	4°38	4° 4	n.a.	T 11
F 12	18 59 31	13°31'38	5♏ 1	29° 7	21°36	22°47	8°49	29°25	17°22	9°53	4°58	5° 9	4°35	4°11	n.a.	F 12
S 13	19 3 27	14°29'14	17°15	0♋56	22°50	23°26	8°44	29°26	17°25	9°55	4°57	5°10	4°32	4°18	n.a.	S 13
S 14	19 7 24	15°26'53	29°44	2°48	24° 3	24° 4	8°39	29°26	17°28	9°57	4°56	5°11	4°28	4°24	n.a.	S 14
M15	19 11 21	16°24'32	12♐31	4°43	25°16	24°43	8°35	29°26	17°32	9°59	4°56	5°12	4°25	4°31	n.a.	M15
T 16	19 15 17	17°22'13	25°39	6°39	26°29	25°21	8°30	29°27	17°35	10° 1	4°55	5°12	4°22	4°38	n.a.	T 16
W17	19 19 14	18°19'55	9♑ 7	8°37	27°43	25°59	8°26	29°28	17°38	10° 2	4°54	5°R13	4°19	4°44	n.a.	W17
T 18	19 23 10	19°17'38	22°54	10°36	28°56	26°38	8°22	29°29	17°41	10° 4	4°53	5°12	4°16	4°51	n.a.	T 18
F 19	19 27 7	20°15'23	6♒58	12°36	0♌ 9	27°16	8°18	29°29	17°45	10° 6	4°53	5°11	4°12	4°58	n.a.	F 19
S 20	19 31 3	21°13'10	21°15	14°37	1°23	27°54	8°14	29°30	17°48	10° 8	4°52	5° 9	4° 9	5° 5	n.a.	S 20
S 21	19 35 0	22°10'58	5♓40	16°37	2°36	28°33	8°10	29°32	17°51	10°10	4°51	5° 7	4° 6	5°11	n.a.	S 21
M22	19 38 57	23° 8'48	20° 7	18°38	3°50	29°11	8° 6	29°33	17°54	10°11	4°50	5° 5	4° 3	5°18	n.a.	M22
T 23	19 42 53	24° 6'40	4♈31	20°38	5° 3	29°49	8° 3	29°34	17°57	10°13	4°49	5° 3	4° 0	5°25	n.a.	T 23
W24	19 46 50	25° 4'34	18°49	22°38	6°17	0♋27	8° 0	29°35	18° 0	10°15	4°49	5°D 2	3°57	5°32	n.a.	W24
T 25	19 50 46	26° 2'30	2♉58	24°37	7°31	1° 6	7°57	29°37	18° 3	10°16	4°48	5° 2	3°53	5°38	n.a.	T 25
F 26	19 54 43	27° 0'28	16°56	26°36	8°44	1°44	7°54	29°38	18° 6	10°18	4°47	5° 3	3°50	5°45	n.a.	F 26
S 27	19 58 39	27°58'28	0♊42	28°33	9°58	2°22	7°52	29°40	18° 9	10°20	4°46	5° 5	3°47	5°52	n.a.	S 27
S 28	20 2 36	28°56'30	14°15	0♌30	11°12	3° 0	7°49	29°42	18°12	10°21	4°45	5° 6	3°44	5°58	n.a.	S 28
M29	20 6 32	29°54'34	27°36	2°25	12°26	3°38	7°47	29°44	18°15	10°23	4°44	5° 7	3°41	6° 5	n.a.	M29
T 30	20 10 29	0♌52'40	10♋44	4°19	13°40	4°16	7°45	29°45	18°18	10°25	4°43	5°R 7	3°38	6°12	n.a.	T 30
W31	20 14 26	1♌50'47	23♋39	6♌13	14♋54	4♋54	7♐43	29♎47	18♊21	10♊26	4♓42	5♋ 6	3♋34	6♎19	n.a.	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n43	21n39	1s33	20n41	2s 4	21n20	0s38	23n37	0n40	22s 9	0n 4	9s17	2n17	23n15	0n11	21n 1	1s 9	25s24	16s56	23n38	23n38	3n31		n.a.
T 2	23 41	23 24	0 20	21 2	1 49	21 34	0 35	23 42	0 40	22 9	0 3	9 17	2 17	23 15	0 11	21 1	1 9	25 25	16 56	23 38	23 39	3 29		n.a.
W 3	23 39	23 47	0n54	21 24	1 34	21 47	0 33	23 46	0 41	22 8	0 3	9 17	2 17	23 16	0 11	21 2	1 9	25 25	16 56	23 38	23 39	3 26		n.a.
T 4	23 37	22 51	2 3	21 46	1 20	22 0	0 30	23 51	0 41	22 7	0 3	9 17	2 16	23 16	0 11	21 2	1 9	25 25	16 57	23 38	23 39	3 23		n.a.
F 5	23 34	20 45	3 4	22 7	1 5	22 12	0 28	23 55	0 42	22 6	0 3	9 17	2 16	23 16	0 11	21 2	1 9	25 26	16 57	23 38	23 39	3 21		n.a.
S 6	23 31	17 43	3 55	22 29	0 51	22 24	0 25	23 58	0 42	22 5	0 3	9 17	2 16	23 17	0 11	21 3	1 9	25 27	16 57	23 38	23 39	3 18		n.a.
S 7	23 27	13 58	4 35	22 49	0 36	22 35	0 22	24 2	0 43	22 5	0 3	9 18	2 16	23 17	0 11	21 3	1 9	25 27	16 58	23 38	23 39	3 15		n.a.
M 8	23 23	9 43	5 1	23 9	0 23	22 45	0 20	24 6	0 43	22 4	0 2	9 18	2 15	23 17	0 11	21 3	1 9	25 28	16 58	23 39	23 39	3 13		n.a.
T 9	23 19	5 9	5 15	23 27	0 9	22 55	0 17	24 9	0 44	22 3	0 2	9 18	2 15	23 18	0 11	21 4	1 9	25 28	16 58	23 39	23 39	3 10		n.a.
W10	23 14	0 24	5 15	23 44	0n 3	23 4	0 14	24 12	0 44	22 3	0 2	9 18	2 15	23 18	0 11	21 4	1 9	25 29	16 59	23 39	23 40	3 7		n.a.
T 11	23 8	4s23	5 2	23 59	0 16	23 12	0 11	24 15	0 45	22 2	0 2	9 19	2 15	23 18	0 11	21 4	1 9	25 29	16 59	23 39	23 40	3 4		n.a.
F 12	23 3	9 3	4 35	24 12	0 27	23 20	0 9	24 18	0 45	22 1	0 2	9 19	2 14	23 19	0 11	21 4	1 9	25 30	16 59	23 38	23 40	3 2		n.a.
S 13	22 57	13 26	3 55	24 23	0 38	23 27	0 6	24 20	0 46	22 1	0 2	9 19	2 14	23 19	0 11	21 5	1 9	25 30	17 0	23 38	23 40	2 59		n.a.
S 14	22 50	17 21	3 4	24 31	0 48	23 33	0 4	24 23	0 46	22 0	0 2	9 20	2 14	23 19	0 11	21 5	1 9	25 31	17 0	23 38	23 40	2 56		n.a.
M15	22 43	20 34	2 2	24 37	0 58	23 39	0 1	24 25	0 47	21 59	0 1	9 20	2 14	23 20	0 11	21 5	1 9	25 31	17 0	23 38	23 40	2 54		n.a.
T 16	22 36	22 48	0 53	24 41	1 6	23 44	0n 2	24 27	0 47	21 59	0 1	9 21	2 13	23 20	0 11	21 5	1 9	25 32	17 0	23 38	23 40	2 51		n.a.
W17	22 28	23 47	0s22	24 41	1 14	23 48	0 4	24 29	0 48	21 58	0 1	9 21	2 13	23 20	0 11	21 6	1 9	25 32	17 1	23 38	23 40	2 48		n.a.
T 18	22 20	23 21	1 36	24 39	1 21	23 51	0 7	24 30	0 48	21 58	0 1	9 22	2 13	23 21	0 11	21 6	1 9	25 33	17 1	23 38	23 40	2 46		n.a.
F 19	22 12	21 27	2 46	24 35	1 27	23 54	0 10	24 32	0 49	21 57	0 1	9 22	2 13	23 21	0 11	21 6	1 9	25 33	17 1	23 38	23 41	2 43		n.a.
S 20	22 3	18 11	3 47	24 27	1 32	23 56	0 12	24 33	0 49	21 57	0 1	9 23	2 12	23 21	0 11	21 6	1 9	25 34	17 2	23 39	23 41	2 40		n.a.
S 21	21 53	13 48	4 34	24 17	1 37	23 58	0 15	24 34	0 50	21 56	0 0	9 23	2 12	23 22	0 11	21 7	1 9	25 35	17 2	23 39	23 41	2 38		n.a.
M22	21 44	8 37	5 4	24 5	1 40	23 58	0 17	24 35	0 50	21 56	0 0	9 24	2 12	23 22	0 11	21 7	1 9	25 35	17 2	23 39	23 41	2 35		n.a.
T 23	21 34	2 59	5 15	23 50	1 43	23 58	0 20	24 36	0 51	21 56	0 0	9 25	2 12	23 22	0 11	21 7	1 9	25 36	17 2	23 39	23 41	2 32		n.a.
W24	21 23	2n45	5 6	23 33	1 45	23 58	0 22	24 36	0 51	21 55	0s 0	9 25	2 11	23 22	0 11	21 7	1 9	25 36	17 3	23 39	23 41	2 29		n.a.
T 25	21 13	8 18	4 38	23 13	1 47	23 56	0 25	24 36	0 52	21 55	0 0	9 26	2 11	23 23	0 11	21 8	1 10	25 37	17 3	23 39	23 41	2 27		n.a.
F 26	21 1	13 21	3 55	22 51	1 47	23 54	0 27	24 36	0 52	21 55	0 0	9 27	2 11	23 23	0 11	21 8	1 10	25 37	17 3	23 39	23 41	2 24		n.a.
S 27	20 50	17 39	2 58	22 28	1 47	23 51	0 29	24 36	0 53	21 54	0 0	9 28	2 10	23 23	0 11	21 8	1 10	25 38	17 3	23 39	23 41	2 21		n.a.
S 28	20 38	20 57	1 52	22 2	1 47	23 47	0 32	24 36	0 53	21 54	0 1	9 29	2 10	23 24	0 11	21 8	1 10	25 38	17 4	23 39	23 41	2 19		n.a.
M29	20 26	23 2	0 41	21 35	1 46	23 43	0 34	24 36	0 54	21 54	0 1	9 30	2 10	23 24	0 11	21 8	1 10	25 39	17 4	23 39	23 41	2 16		n.a.
T 30	20 13	23 49	0n31	21 6	1 44	23 38	0 36	24 35	0 54	21 54	0 1	9 30	2 10	23 24	0 11	21 9	1 10	25 40	17 4	23 39	23 42	2 13		n.a.
W31	20n 0	23n17	1n40	20n36	1n42	23n32	0n38	24n34	0n55	21s53	0s 1	9s31	2n 9	23n24	0n11	21n 9	1s10	25s40	17s 4	23n39	23n42	2n10		n.a.

Julian Day Number = 1575139.5, Delta T = 04h15m04s
Ecliptic obliquity = 23°44'36, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'11, Lahiri = - 9°29'10 Julian Calendar 1 July 401 BCE == Greg. Calendar 26 June 401 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

AUGUST 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	20 18 22	2♌48'57	6♌21	8♌ 5	16♋ 8	5♋32	7°R41	29♎50	18♊24	10♊28	4°R41	5°R 3	3♋31	6♎25	n.a.	T 1
F 2	20 22 19	3°47'08	18°51	9°56	17°22	6°10	7♐40	29°52	18°27	10°29	4♓40	4♋59	3°28	6°32	n.a.	F 2
S 3	20 26 15	4°45'22	1♍ 9	11°45	18°36	6°48	7°39	29°54	18°29	10°31	4°39	4°54	3°25	6°39	n.a.	S 3
S 4	20 30 12	5°43'36	13°17	13°34	19°50	7°26	7°37	29°56	18°32	10°32	4°38	4°49	3°22	6°46	n.a.	S 4
M 5	20 34 8	6°41'53	25°17	15°21	21° 4	8° 4	7°36	29°59	18°35	10°34	4°37	4°44	3°18	6°52	n.a.	M 5
T 6	20 38 5	7°40'11	7♎10	17° 7	22°18	8°42	7°36	0♏ 1	18°38	10°35	4°36	4°39	3°15	6°59	n.a.	T 6
W 7	20 42 1	8°38'31	19° 2	18°52	23°32	9°20	7°35	0° 4	18°40	10°36	4°35	4°36	3°12	7° 6	n.a.	W 7
T 8	20 45 58	9°36'53	0♏56	20°36	24°46	9°57	7°35	0° 7	18°43	10°38	4°34	4°34	3° 9	7°12	n.a.	T 8
F 9	20 49 54	10°35'16	12°56	22°18	26° 1	10°35	7°D35	0°10	18°45	10°39	4°33	4°D34	3° 6	7°19	n.a.	F 9
S 10	20 53 51	11°33'41	25° 8	24° 0	27°15	11°13	7°35	0°13	18°48	10°40	4°32	4°35	3° 3	7°26	n.a.	S 10
S 11	20 57 48	12°32'08	7♐36	25°40	28°29	11°51	7°35	0°16	18°50	10°42	4°31	4°36	2°59	7°33	n.a.	S 11
M12	21 1 44	13°30'37	20°24	27°19	29°44	12°28	7°36	0°19	18°53	10°43	4°30	4°38	2°56	7°39	n.a.	M12
T 13	21 5 41	14°29'07	3♑36	28°57	0♌58	13° 6	7°36	0°22	18°55	10°44	4°29	4°R38	2°53	7°46	n.a.	T 13
W14	21 9 37	15°27'39	17°14	0♍34	2°13	13°44	7°37	0°25	18°58	10°45	4°28	4°38	2°50	7°53	n.a.	W14
T 15	21 13 34	16°26'13	1♒18	2°10	3°27	14°21	7°38	0°28	19° 0	10°46	4°26	4°35	2°47	7°59	n.a.	T 15
F 16	21 17 30	17°24'49	15°43	3°45	4°42	14°59	7°39	0°32	19° 2	10°47	4°25	4°31	2°44	8° 6	n.a.	F 16
S 17	21 21 27	18°23'27	0♓26	5°19	5°56	15°36	7°41	0°35	19° 5	10°48	4°24	4°25	2°40	8°13	n.a.	S 17
S 18	21 25 23	19°22'08	15°19	6°52	7°11	16°14	7°42	0°39	19° 7	10°50	4°23	4°18	2°37	8°20	n.a.	S 18
M19	21 29 20	20°20'50	0♈12	8°24	8°25	16°52	7°44	0°43	19° 9	10°51	4°22	4°11	2°34	8°26	n.a.	M19
T 20	21 33 17	21°19'34	14°58	9°55	9°40	17°29	7°46	0°46	19°11	10°52	4°21	4° 5	2°31	8°33	n.a.	T 20
W21	21 37 13	22°18'21	29°29	11°25	10°55	18° 6	7°48	0°50	19°13	10°53	4°20	4° 1	2°28	8°40	n.a.	W21
T 22	21 41 10	23°17'11	13♉43	12°53	12° 9	18°44	7°50	0°54	19°15	10°53	4°18	3°59	2°24	8°47	n.a.	T 22
F 23	21 45 6	24°16'03	27°37	14°21	13°24	19°21	7°53	0°58	19°17	10°54	4°17	3°D59	2°21	8°53	n.a.	F 23
S 24	21 49 3	25°14'57	11♊12	15°48	14°39	19°59	7°56	1° 2	19°19	10°55	4°16	3°59	2°18	9° 0	n.a.	S 24
S 25	21 52 59	26°13'54	24°29	17°13	15°54	20°36	7°59	1° 6	19°21	10°56	4°15	4° 0	2°15	9° 7	n.a.	S 25
M26	21 56 56	27°12'53	7♋30	18°38	17° 9	21°13	8° 2	1°10	19°23	10°57	4°14	4°R 1	2°12	9°13	n.a.	M26
T 27	22 0 52	28°11'54	20°17	20° 1	18°23	21°51	8° 5	1°15	19°25	10°58	4°13	3°59	2° 9	9°20	n.a.	T 27
W28	22 4 49	29°10'58	2♌52	21°24	19°38	22°28	8° 8	1°19	19°27	10°58	4°11	3°56	2° 5	9°27	n.a.	W28
T 29	22 8 46	0♍10'04	15°18	22°45	20°53	23° 5	8°12	1°23	19°28	10°59	4°10	3°49	2° 2	9°34	n.a.	T 29
F 30	22 12 42	1° 9'12	27°34	24° 5	22° 8	23°42	8°16	1°28	19°30	11° 0	4° 9	3°41	1°59	9°40	n.a.	F 30
S 31	22 16 39	2♍ 8'23	9♍43	25♍24	23♌23	24♋20	8♐20	1♏33	19♊32	11♊ 1	4♓ 8	3♋30	1♋56	9♎47	n.a.	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl		decl	lat
T 1	19n47	21n33	2n43	20n 4	1n39	23n26	0n41	24n33	0n55	21s53	0s 1	9s32	2n 9	23n25	0n11	21n 9	1s10	25s41	17s 4	23n39	23n42	2n 8			n.a.
F 2	19 33	18 47	3 37	19 32	1 36	23 19	0 43	24 32	0 56	21 53	0 1	9 33	2 9	23 25	0 11	21 9	1 10	25 41	17 5	23 39	23 42	2 5			n.a.
S 3	19 19	15 14	4 19	18 58	1 33	23 11	0 45	24 30	0 56	21 53	0 1	9 34	2 9	23 25	0 11	21 9	1 10	25 42	17 5	23 39	23 42	2 2			n.a.
S 4	19 5	11 6	4 50	18 23	1 29	23 2	0 47	24 29	0 57	21 53	0 2	9 35	2 8	23 25	0 11	21 10	1 10	25 42	17 5	23 39	23 42	1 59			n.a.
M 5	18 50	6 35	5 7	17 47	1 24	22 53	0 49	24 27	0 57	21 53	0 2	9 37	2 8	23 26	0 11	21 10	1 10	25 43	17 5	23 39	23 42	1 57			n.a.
T 6	18 35	1 52	5 11	17 10	1 20	22 43	0 51	24 25	0 58	21 53	0 2	9 38	2 8	23 26	0 11	21 10	1 10	25 44	17 5	23 40	23 42	1 54			n.a.
W 7	18 20	2s54	5 2	16 32	1 15	22 32	0 53	24 23	0 58	21 53	0 2	9 39	2 8	23 26	0 11	21 10	1 10	25 44	17 6	23 40	23 42	1 51			n.a.
T 8	18 4	7 35	4 39	15 54	1 9	22 21	0 55	24 21	0 59	21 53	0 2	9 40	2 7	23 26	0 11	21 10	1 10	25 45	17 6	23 40	23 42	1 49			n.a.
F 9	17 48	12 2	4 5	15 16	1 4	22 9	0 57	24 18	0 59	21 53	0 2	9 41	2 7	23 27	0 11	21 11	1 10	25 45	17 6	23 40	23 42	1 46			n.a.
S 10	17 32	16 5	3 18	14 36	0 58	21 56	0 59	24 16	1 0	21 54	0 2	9 43	2 7	23 27	0 11	21 11	1 10	25 46	17 6	23 40	23 42	1 43			n.a.
S 11	17 16	19 32	2 22	13 57	0 52	21 43	1 0	24 13	1 0	21 54	0 3	9 44	2 7	23 27	0 11	21 11	1 10	25 46	17 6	23 40	23 43	1 40			n.a.
M12	16 59	22 7	1 17	13 16	0 46	21 29	1 2	24 10	1 1	21 54	0 3	9 45	2 7	23 27	0 11	21 11	1 10	25 47	17 6	23 40	23 43	1 38			n.a.
T 13	16 42	23 36	0 6	12 36	0 39	21 14	1 4	24 6	1 1	21 54	0 3	9 47	2 6	23 28	0 11	21 11	1 10	25 47	17 7	23 40	23 43	1 35			n.a.
W14	16 24	23 44	1s 8	11 55	0 33	20 59	1 5	24 3	1 2	21 54	0 3	9 48	2 6	23 28	0 11	21 11	1 10	25 48	17 7	23 40	23 43	1 32			n.a.
T 15	16 7	22 23	2 19	11 14	0 26	20 43	1 7	24 0	1 2	21 55	0 3	9 49	2 6	23 28	0 11	21 11	1 10	25 49	17 7	23 40	23 43	1 29			n.a.
F 16	15 49	19 34	3 24	10 33	0 19	20 26	1 8	23 56	1 3	21 55	0 3	9 51	2 6	23 28	0 11	21 12	1 10	25 49	17 7	23 40	23 43	1 27			n.a.
S 17	15 30	15 26	4 16	9 52	0 12	20 9	1 10	23 52	1 3	21 55	0 3	9 52	2 5	23 28	0 11	21 12	1 10	25 50	17 7	23 40	23 43	1 24			n.a.
S 18	15 12	10 19	4 51	9 10	0 5	19 51	1 11	23 48	1 4	21 56	0 3	9 54	2 5	23 29	0 11	21 12	1 10	25 50	17 7	23 40	23 43	1 21			n.a.
M19	14 53	4 36	5 7	8 29	0s 3	19 33	1 12	23 44	1 4	21 56	0 4	9 55	2 5	23 29	0 11	21 12	1 10	25 51	17 7	23 41	23 43	1 18			n.a.
T 20	14 34	1n20	5 2	7 48	0 10	19 14	1 14	23 39	1 5	21 57	0 4	9 57	2 5	23 29	0 11	21 12	1 10	25 51	17 7	23 41	23 43	1 16			n.a.
W21	14 15	7 6	4 38	7 6	0 17	18 55	1 15	23 35	1 5	21 57	0 4	9 58	2 4	23 29	0 11	21 12	1 10	25 52	17 7	23 41	23 43	1 13			n.a.
T 22	13 56	12 23	3 57	6 25	0 25	18 35	1 16	23 30	1 6	21 58	0 4	10 0	2 4	23 29	0 11	21 12	1 10	25 52	17 8	23 41	23 43	1 10			n.a.
F 23	13 36	16 55	3 3	5 44	0 33	18 14	1 17	23 25	1 6	21 58	0 4	10 1	2 4	23 30	0 11	21 12	1 10	25 53	17 8	23 41	23 43	1 7			n.a.
S 24	13 16	20 26	2 0	5 3	0 40	17 53	1 18	23 20	1 7	21 59	0 4	10 3	2 4	23 30	0 11	21 12	1 10	25 53	17 8	23 41	23 43	1 5			n.a.
S 25	12 56	22 47	0 51	4 22	0 48	17 32	1 19	23 15	1 7	21 59	0 4	10 5	2 4	23 30	0 11	21 13	1 10	25 54	17 8	23 41	23 43	1 2			n.a.
M26	12 36	23 50	0n19	3 42	0 56	17 10	1 20	23 10	1 8	22 0	0 4	10 6	2 3	23 30	0 11	21 13	1 10	25 54	17 8	23 41	23 44	0 59			n.a.
T 27	12 15	23 37	1 26	3 2	1 3	16 47	1 21	23 4	1 8	22 1	0 5	10 8	2 3	23 30	0 11	21 13	1 10	25 55	17 8	23 41	23 44	0 56			n.a.
W28	11 54	22 10	2 28	2 22	1 11	16 24	1 21	22 58	1 9	22 1	0 5	10 10	2 3	23 30	0 11	21 13	1 10	25 55	17 8	23 41	23 44	0 54			n.a.
T 29	11 33	19 40	3 22	1 43	1 19	16 1	1 22	22 53	1 9	22 2	0 5	10 11	2 3	23 31	0 11	21 13	1 10	25 56	17 8	23 41	23 44	0 51			n.a.
F 30	11 12	16 18	4 6	1 4	1 26	15 37	1 23	22 47	1 10	22 3	0 5	10 13	2 2	23 31	0 11	21 13	1 10	25 56	17 8	23 42	23 44	0 48			n.a.
S 31	10n51	12n18	4n38	0n25	1s34	15n12	1n23	22n41	1n10	22s 3	0s 5	10s15	2n 2	23n31	0n12	21n13	1s10	25s57	17s 8	23n42	23n44	0n45			n.a.

Julian Day Number = 1575170.5, Delta T = 04h15m03s
Ecliptic obliquity = 23°44'37, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'06, Lahiri = - 9°29'06 Julian Calendar 1 Aug. 401 BCE == Greg. Calendar 27 July 401 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

SEPTEMBER 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	22 20 35	3♍ 7'35	21♍45	26♍41	24♌38	24♋57	8♐24	1♏37	19♊33	11♊ 1	4°R 7	3°R18	1♋53	9♎54	n.a.	S 1
M 2	22 24 32	4° 6'50	3♎40	27°57	25°53	25°34	8°28	1°42	19°35	11° 2	4♓ 6	3♋ 7	1°49	10° 1	n.a.	M 2
T 3	22 28 28	5° 6'06	15°32	29°11	27° 8	26°11	8°33	1°47	19°36	11° 2	4° 4	2°56	1°46	10° 7	n.a.	T 3
W 4	22 32 25	6° 5'25	27°22	0♎24	28°23	26°48	8°38	1°51	19°38	11° 3	4° 3	2°47	1°43	10°14	n.a.	W 4
T 5	22 36 21	7° 4'45	9♏14	1°36	29°38	27°25	8°42	1°56	19°39	11° 3	4° 2	2°41	1°40	10°21	n.a.	T 5
F 6	22 40 18	8° 4'08	21°12	2°45	0♍54	28° 2	8°47	2° 1	19°40	11° 4	4° 1	2°37	1°37	10°27	n.a.	F 6
S 7	22 44 14	9° 3'32	3♐19	3°53	2° 9	28°39	8°53	2° 6	19°42	11° 4	4° 0	2°36	1°34	10°34	n.a.	S 7
S 8	22 48 11	10° 2'58	15°42	4°58	3°24	29°16	8°58	2°12	19°43	11° 5	3°58	2°D36	1°30	10°41	n.a.	S 8
M 9	22 52 8	11° 2'27	28°26	6° 1	4°39	29°53	9° 4	2°17	19°44	11° 5	3°57	2°R36	1°27	10°48	n.a.	M 9
T 10	22 56 4	12° 1'57	11♑34	7° 2	5°54	0♌30	9° 9	2°22	19°45	11° 5	3°56	2°36	1°24	10°54	n.a.	T 10
W11	23 0 1	13° 1'29	25°10	8° 0	7° 9	1° 7	9°15	2°27	19°46	11° 6	3°55	2°34	1°21	11° 1	n.a.	W11
T 12	23 3 57	14° 1'02	9♒17	8°55	8°25	1°44	9°21	2°33	19°47	11° 6	3°54	2°30	1°18	11° 8	n.a.	T 12
F 13	23 7 54	15° 0'38	23°51	9°47	9°40	2°20	9°27	2°38	19°48	11° 6	3°53	2°23	1°15	11°14	n.a.	F 13
S 14	23 11 50	16° 0'16	8♓48	10°35	10°55	2°57	9°34	2°43	19°49	11° 6	3°51	2°13	1°11	11°21	n.a.	S 14
S 15	23 15 47	16°59'56	24° 0	11°20	12°10	3°34	9°40	2°49	19°50	11° 6	3°50	2° 3	1° 8	11°28	n.a.	S 15
M16	23 19 43	17°59'37	9♈15	12° 0	13°26	4°11	9°47	2°55	19°51	11° 6	3°49	1°52	1° 5	11°35	n.a.	M16
T 17	23 23 40	18°59'22	24°23	12°35	14°41	4°47	9°54	3° 0	19°52	11° 7	3°48	1°42	1° 2	11°41	n.a.	T 17
W18	23 27 36	19°59'08	9♉14	13° 5	15°56	5°24	10° 1	3° 6	19°52	11° 7	3°47	1°35	0°59	11°48	n.a.	W18
T 19	23 31 33	20°58'57	23°42	13°30	17°11	6° 1	10° 8	3°12	19°53	11°R 7	3°46	1°30	0°55	11°55	n.a.	T 19
F 20	23 35 30	21°58'48	7♊43	13°48	18°27	6°37	10°15	3°17	19°54	11° 7	3°45	1°28	0°52	12° 2	n.a.	F 20
S 21	23 39 26	22°58'42	21°19	13°59	19°42	7°14	10°23	3°23	19°54	11° 7	3°43	1°D27	0°49	12° 8	n.a.	S 21
S 22	23 43 23	23°58'38	4♋31	14°R 3	20°57	7°50	10°30	3°29	19°55	11° 6	3°42	1°R27	0°46	12°15	n.a.	S 22
M23	23 47 19	24°58'36	17°22	13°59	22°13	8°27	10°38	3°35	19°55	11° 6	3°41	1°26	0°43	12°22	n.a.	M23
T 24	23 51 16	25°58'36	29°57	13°46	23°28	9° 3	10°46	3°41	19°56	11° 6	3°40	1°24	0°40	12°28	n.a.	T 24
W25	23 55 12	26°58'39	12♌19	13°25	24°44	9°40	10°54	3°47	19°56	11° 6	3°39	1°19	0°36	12°35	n.a.	W25
T 26	23 59 9	27°58'44	24°32	12°54	25°59	10°16	11° 2	3°53	19°56	11° 6	3°38	1°10	0°33	12°42	n.a.	T 26
F 27	0 3 5	28°58'51	6♍37	12°15	27°14	10°52	11°10	3°59	19°56	11° 5	3°37	0°59	0°30	12°49	n.a.	F 27
S 28	0 7 2	29°59'00	18°36	11°26	28°30	11°29	11°19	4° 5	19°57	11° 5	3°36	0°45	0°27	12°55	n.a.	S 28
S 29	0 10 59	0♎59'11	0♎32	10°28	29°45	12° 5	11°27	4°12	19°57	11° 5	3°35	0°30	0°24	13° 2	n.a.	S 29
M30	0 14 55	1♎59'24	12♎25	9♎23	1♎ 1	12♌41	11♐36	4♏18	19♊57	11♊ 4	3♓34	0♋15	0♋20	13♎ 9	n.a.	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	10n29	7n51	4n57	0s13	1s41	14n47	1n24	22n34	1n11	22s 4	0s 5	10s17	2n 2	23n31	0n12	21n13	1s10	25s57	17s 8	23n42	23n44	0n43		n.a.
M 2	10 7	3 9	5 3	0 50	1 49	14 22	1 24	22 28	1 11	22 5	0 5	10 19	2 2	23 31	0 12	21 13	1 10	25 58	17 8	23 42	23 44	0 40		n.a.
T 3	9 46	1s39	4 56	1 27	1 56	13 57	1 25	22 21	1 12	22 6	0 5	10 21	2 2	23 31	0 12	21 13	1 11	25 58	17 8	23 43	23 44	0 37		n.a.
W 4	9 24	6 23	4 36	2 2	2 3	13 31	1 25	22 15	1 12	22 7	0 6	10 22	2 1	23 32	0 12	21 13	1 11	25 59	17 8	23 43	23 44	0 34		n.a.
T 5	9 1	10 54	4 4	2 38	2 10	13 4	1 25	22 8	1 13	22 8	0 6	10 24	2 1	23 32	0 12	21 13	1 11	25 59	17 8	23 43	23 44	0 31		n.a.
F 6	8 39	15 3	3 21	3 12	2 17	12 37	1 25	22 1	1 13	22 9	0 6	10 26	2 1	23 32	0 12	21 13	1 11	26 0	17 8	23 43	23 44	0 29		n.a.
S 7	8 16	18 39	2 29	3 45	2 23	12 10	1 25	21 53	1 14	22 9	0 6	10 28	2 1	23 32	0 12	21 13	1 11	26 0	17 8	23 43	23 44	0 26		n.a.
S 8	7 54	21 30	1 29	4 17	2 30	11 43	1 26	21 46	1 14	22 10	0 6	10 30	2 1	23 32	0 12	21 13	1 11	26 0	17 8	23 43	23 44	0 23		n.a.
M 9	7 31	23 22	0 22	4 48	2 36	11 15	1 25	21 39	1 15	22 11	0 6	10 32	2 0	23 32	0 12	21 13	1 11	26 1	17 8	23 43	23 44	0 20		n.a.
T 10	7 8	24 1	0s47	5 18	2 42	10 47	1 25	21 31	1 15	22 12	0 6	10 34	2 0	23 32	0 12	21 13	1 11	26 1	17 8	23 43	23 44	0 18		n.a.
W11	6 45	23 17	1 57	5 46	2 47	10 19	1 25	21 24	1 15	22 13	0 6	10 36	2 0	23 32	0 12	21 13	1 11	26 2	17 8	23 43	23 44	0 15		n.a.
T 12	6 22	21 4	3 1	6 13	2 53	9 50	1 25	21 16	1 16	22 14	0 6	10 38	2 0	23 32	0 12	21 13	1 11	26 2	17 8	23 43	23 44	0 12		n.a.
F 13	5 59	17 27	3 56	6 38	2 57	9 21	1 25	21 8	1 16	22 16	0 7	10 40	2 0	23 33	0 12	21 13	1 11	26 2	17 8	23 43	23 44	0 9		n.a.
S 14	5 35	12 38	4 36	7 1	3 2	8 52	1 24	21 0	1 17	22 17	0 7	10 42	2 0	23 33	0 12	21 13	1 11	26 3	17 8	23 43	23 44	0 6		n.a.
S 15	5 12	6 58	4 58	7 22	3 5	8 22	1 24	20 51	1 17	22 18	0 7	10 44	1 59	23 33	0 12	21 13	1 11	26 3	17 8	23 44	23 44	0 4		n.a.
M16	4 48	0 51	4 58	7 41	3 8	7 53	1 23	20 43	1 18	22 19	0 7	10 46	1 59	23 33	0 12	21 13	1 11	26 4	17 7	23 44	23 44	0 1		n.a.
T 17	4 25	5n16	4 38	7 57	3 11	7 23	1 23	20 35	1 18	22 20	0 7	10 48	1 59	23 33	0 12	21 13	1 11	26 4	17 7	23 44	23 44	0s 2		n.a.
W18	4 1	10 59	3 59	8 11	3 12	6 53	1 22	20 26	1 19	22 21	0 7	10 50	1 59	23 33	0 12	21 13	1 11	26 4	17 7	23 44	23 44	0 5		n.a.
T 19	3 37	15 57	3 5	8 21	3 13	6 22	1 22	20 17	1 19	22 22	0 7	10 53	1 59	23 33	0 12	21 13	1 11	26 5	17 7	23 44	23 44	0 8		n.a.
F 20	3 13	19 52	2 2	8 28	3 13	5 52	1 21	20 8	1 20	22 23	0 7	10 55	1 59	23 33	0 12	21 13	1 11	26 5	17 7	23 44	23 44	0 10		n.a.
S 21	2 49	22 34	0 53	8 31	3 12	5 21	1 20	20 0	1 20	22 25	0 7	10 57	1 58	23 33	0 12	21 13	1 11	26 5	17 7	23 44	23 44	0 13		n.a.
S 22	2 25	23 56	0n16	8 31	3 9	4 50	1 19	19 50	1 21	22 26	0 7	10 59	1 58	23 33	0 12	21 13	1 11	26 6	17 7	23 44	23 44	0 16		n.a.
M23	2 1	23 58	1 23	8 25	3 5	4 19	1 18	19 41	1 21	22 27	0 8	11 1	1 58	23 33	0 12	21 13	1 11	26 6	17 7	23 44	23 45	0 19		n.a.
T 24	1 37	22 46	2 24	8 16	3 0	3 48	1 17	19 32	1 22	22 28	0 8	11 3	1 58	23 33	0 12	21 13	1 11	26 6	17 7	23 44	23 45	0 22		n.a.
W25	1 13	20 29	3 18	8 1	2 53	3 17	1 16	19 23	1 22	22 30	0 8	11 6	1 58	23 33	0 12	21 13	1 11	26 6	17 6	23 44	23 45	0 24		n.a.
T 26	0 49	17 17	4 1	7 41	2 45	2 46	1 15	19 13	1 23	22 31	0 8	11 8	1 58	23 33	0 12	21 13	1 11	26 7	17 6	23 44	23 45	0 27		n.a.
F 27	0 25	13 25	4 33	7 15	2 34	2 15	1 14	19 3	1 23	22 32	0 8	11 10	1 58	23 33	0 12	21 13	1 11	26 7	17 6	23 44	23 45	0 30		n.a.
S 28	0 0	9 2	4 52	6 45	2 22	1 43	1 13	18 54	1 24	22 33	0 8	11 12	1 57	23 33	0 12	21 13	1 11	26 7	17 6	23 45	23 45	0 33		n.a.
S 29	0s24	4 21	4 59	6 9	2 8	1 12	1 12	18 44	1 24	22 35	0 8	11 14	1 57	23 34	0 12	21 13	1 11	26 8	17 6	23 45	23 45	0 36		n.a.
M30	0s48	0s29	4n52	5s28	1s52	0n40	1n10	18n34	1n25	22s36	0s 8	11s17	1n57	23n34	0n12	21n13	1s11	26s 8	17s 6	23n45	23n45	0s38		n.a.

Julian Day Number = 1575201.5, Delta T = 04h15m02s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°36'02, Lahiri = - 9°29'02 Julian Calendar 1 Sept. 401 BCE == Greg. Calendar 27 Aug. 401 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

OCTOBER 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	0 18 52	2♎59'39	24♎16	8°R11	2♎16	13♌17	11♐45	4♏24	19°R57	11°R 4	3°R33	0°R 1	0♋17	13♎15	n.a.	T 1
W 2	0 22 48	3°59'56	6♏ 7	6♎55	3°32	13°53	11°54	4°31	19♊57	11♊ 4	3♓32	29♊50	0°14	13°22	n.a.	W 2
T 3	0 26 45	5° 0'14	18° 0	5°37	4°47	14°30	12° 3	4°37	19°57	11° 3	3°31	29°41	0°11	13°29	n.a.	T 3
F 4	0 30 41	6° 0'34	29°59	4°19	6° 3	15° 6	12°12	4°43	19°56	11° 3	3°30	29°35	0° 8	13°36	n.a.	F 4
S 5	0 34 38	7° 0'56	12♐ 6	3° 3	7°18	15°42	12°21	4°50	19°56	11° 2	3°29	29°32	0° 5	13°42	n.a.	S 5
S 6	0 38 34	8° 1'20	24°26	1°52	8°34	16°18	12°31	4°56	19°56	11° 2	3°28	29°31	0° 1	13°49	n.a.	S 6
M 7	0 42 31	9° 1'45	7♑ 4	0°49	9°49	16°54	12°41	5° 3	19°56	11° 1	3°27	29°31	29♊58	13°56	n.a.	M 7
T 8	0 46 28	10° 2'11	20° 5	29♍54	11° 5	17°30	12°50	5° 9	19°55	11° 0	3°26	29°31	29°55	14° 2	n.a.	T 8
W 9	0 50 24	11° 2'39	3♒33	29°10	12°20	18° 5	13° 0	5°16	19°55	11° 0	3°25	29°29	29°52	14° 9	n.a.	W 9
T 10	0 54 21	12° 3'09	17°30	28°37	13°36	18°41	13°10	5°22	19°54	10°59	3°24	29°25	29°49	14°16	n.a.	T 10
F 11	0 58 17	13° 3'39	1♓57	28°16	14°51	19°17	13°20	5°29	19°54	10°58	3°23	29°18	29°46	14°23	n.a.	F 11
S 12	1 2 14	14° 4'12	16°51	28°D 6	16° 6	19°53	13°30	5°36	19°53	10°58	3°23	29° 9	29°42	14°29	n.a.	S 12
S 13	1 6 10	15° 4'45	2♈ 4	28° 8	17°22	20°28	13°41	5°42	19°53	10°57	3°22	28°59	29°39	14°36	n.a.	S 13
M14	1 10 7	16° 5'20	17°26	28°20	18°37	21° 4	13°51	5°49	19°52	10°56	3°21	28°48	29°36	14°43	n.a.	M14
T 15	1 14 3	17° 5'57	2♉45	28°43	19°53	21°40	14° 1	5°56	19°51	10°55	3°20	28°38	29°33	14°50	n.a.	T 15
W16	1 18 0	18° 6'36	17°51	29°15	21° 8	22°15	14°12	6° 3	19°50	10°54	3°19	28°30	29°30	14°56	n.a.	W16
T 17	1 21 56	19° 7'16	2♊33	29°54	22°24	22°51	14°23	6° 9	19°49	10°53	3°18	28°25	29°26	15° 3	n.a.	T 17
F 18	1 25 53	20° 7'58	16°48	0♎42	23°39	23°26	14°34	6°16	19°49	10°53	3°18	28°22	29°23	15°10	n.a.	F 18
S 19	1 29 50	21° 8'42	0♋34	1°36	24°55	24° 2	14°44	6°23	19°48	10°52	3°17	28°D22	29°20	15°16	n.a.	S 19
S 20	1 33 46	22° 9'28	13°51	2°35	26°10	24°37	14°55	6°30	19°47	10°51	3°16	28°22	29°17	15°23	n.a.	S 20
M21	1 37 43	23°10'15	26°45	3°40	27°26	25°13	15° 7	6°37	19°46	10°50	3°16	28°R23	29°14	15°30	n.a.	M21
T 22	1 41 39	24°11'04	9♌17	4°48	28°41	25°48	15°18	6°44	19°44	10°49	3°15	28°21	29°11	15°37	n.a.	T 22
W23	1 45 36	25°11'55	21°35	6° 1	29°57	26°23	15°29	6°51	19°43	10°47	3°14	28°18	29° 7	15°43	n.a.	W23
T 24	1 49 32	26°12'47	3♍41	7°17	1♏12	26°58	15°40	6°58	19°42	10°46	3°14	28°12	29° 4	15°50	n.a.	T 24
F 25	1 53 29	27°13'41	15°39	8°35	2°28	27°33	15°52	7° 4	19°41	10°45	3°13	28° 3	29° 1	15°57	n.a.	F 25
S 26	1 57 25	28°14'36	27°33	9°56	3°43	28° 8	16° 3	7°11	19°40	10°44	3°12	27°52	28°58	16° 3	n.a.	S 26
S 27	2 1 22	29°15'33	9♎24	11°18	4°59	28°43	16°15	7°18	19°38	10°43	3°12	27°40	28°55	16°10	n.a.	S 27
M28	2 5 19	0♏16'31	21°16	12°42	6°14	29°18	16°27	7°25	19°37	10°42	3°11	27°28	28°52	16°17	n.a.	M28
T 29	2 9 15	1°17'30	3♏ 9	14° 8	7°30	29°53	16°39	7°32	19°35	10°41	3°11	27°17	28°48	16°24	n.a.	T 29
W30	2 13 12	2°18'30	15° 5	15°35	8°45	0♍28	16°51	7°39	19°34	10°39	3°10	27° 8	28°45	16°30	n.a.	W30
T 31	2 17 8	3♏19'32	27♏ 5	17♎ 3	10♏ 1	1♍ 3	17♐ 3	7♏46	19♊32	10♊38	3♓ 9	27♊ 1	28♊42	16♎37	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	1s12	5s18	4n33	4s44	1s34	0n 8	1n 9	18n24	1n25	22s37	0s 8	11s19	1n57	23n34	0n12	21n13	1s11	26s 8	17s 5	23n45	23n45	0s41		n.a.
W 2	1 37	9 55	4 2	3 56	1 15	0s23	1 8	18 14	1 26	22 39	0 8	11 21	1 57	23 34	0 12	21 13	1 11	26 8	17 5	23 45	23 45	0 44		n.a.
T 3	2 1	14 12	3 20	3 6	0 56	0 55	1 6	18 4	1 26	22 40	0 9	11 24	1 57	23 34	0 12	21 12	1 11	26 8	17 5	23 45	23 45	0 47		n.a.
F 4	2 25	17 58	2 29	2 16	0 35	1 27	1 5	17 53	1 27	22 41	0 9	11 26	1 57	23 34	0 12	21 12	1 11	26 9	17 5	23 45	23 45	0 50		n.a.
S 5	2 49	21 2	1 31	1 27	0 14	1 58	1 3	17 43	1 27	22 43	0 9	11 28	1 56	23 34	0 12	21 12	1 11	26 9	17 5	23 45	23 45	0 52		n.a.
S 6	3 13	23 11	0 27	0 40	0n 6	2 30	1 1	17 33	1 27	22 44	0 9	11 30	1 56	23 34	0 12	21 12	1 11	26 9	17 4	23 45	23 45	0 55		n.a.
M 7	3 37	24 13	0s40	0n 4	0 26	3 1	1 0	17 22	1 28	22 45	0 9	11 33	1 56	23 34	0 12	21 12	1 12	26 9	17 4	23 45	23 45	0 58		n.a.
T 8	4 1	23 59	1 47	0 43	0 44	3 33	0 58	17 11	1 28	22 47	0 9	11 35	1 56	23 34	0 12	21 12	1 12	26 9	17 4	23 45	23 45	1 1		n.a.
W 9	4 25	22 21	2 50	1 17	1 2	4 4	0 56	17 1	1 29	22 48	0 9	11 37	1 56	23 34	0 12	21 12	1 12	26 9	17 4	23 45	23 45	1 4		n.a.
T 10	4 49	19 21	3 45	1 44	1 17	4 36	0 55	16 50	1 29	22 49	0 9	11 40	1 56	23 34	0 12	21 12	1 12	26 10	17 4	23 45	23 45	1 6		n.a.
F 11	5 13	15 4	4 28	2 5	1 31	5 7	0 53	16 39	1 30	22 51	0 9	11 42	1 56	23 34	0 12	21 12	1 12	26 10	17 3	23 45	23 45	1 9		n.a.
S 12	5 37	9 46	4 54	2 20	1 43	5 38	0 51	16 28	1 30	22 52	0 9	11 44	1 56	23 34	0 12	21 11	1 12	26 10	17 3	23 44	23 45	1 12		n.a.
S 13	6 1	3 45	5 1	2 29	1 53	6 9	0 49	16 17	1 31	22 53	0 10	11 47	1 56	23 33	0 12	21 11	1 12	26 10	17 3	23 44	23 45	1 15		n.a.
M14	6 24	2n32	4 46	2 31	2 2	6 40	0 47	16 6	1 31	22 55	0 10	11 49	1 55	23 33	0 12	21 11	1 12	26 10	17 3	23 44	23 45	1 18		n.a.
T 15	6 48	8 40	4 10	2 28	2 8	7 11	0 45	15 55	1 32	22 56	0 10	11 51	1 55	23 33	0 12	21 11	1 12	26 10	17 2	23 44	23 45	1 21		n.a.
W16	7 11	14 13	3 17	2 20	2 13	7 41	0 43	15 43	1 32	22 57	0 10	11 54	1 55	23 33	0 12	21 11	1 12	26 10	17 2	23 44	23 45	1 23		n.a.
T 17	7 35	18 46	2 12	2 8	2 17	8 12	0 41	15 32	1 33	22 59	0 10	11 56	1 55	23 33	0 12	21 11	1 12	26 10	17 2	23 44	23 45	1 26		n.a.
F 18	7 58	22 4	1 1	1 51	2 19	8 42	0 39	15 21	1 33	23 0	0 10	11 58	1 55	23 33	0 12	21 11	1 12	26 10	17 2	23 44	23 45	1 29		n.a.
S 19	8 21	23 56	0n12	1 30	2 21	9 12	0 37	15 9	1 34	23 2	0 10	12 1	1 55	23 33	0 13	21 10	1 12	26 10	17 1	23 44	23 45	1 32		n.a.
S 20	8 44	24 22	1 21	1 6	2 21	9 42	0 35	14 58	1 34	23 3	0 10	12 3	1 55	23 33	0 13	21 10	1 12	26 10	17 1	23 44	23 45	1 35		n.a.
M21	9 7	23 27	2 25	0 40	2 20	10 11	0 32	14 46	1 35	23 4	0 10	12 5	1 55	23 33	0 13	21 10	1 12	26 10	17 1	23 44	23 44	1 37		n.a.
T 22	9 30	21 22	3 20	0 11	2 18	10 41	0 30	14 34	1 35	23 6	0 10	12 8	1 55	23 33	0 13	21 10	1 12	26 10	17 0	23 44	23 44	1 40		n.a.
W23	9 52	18 20	4 4	0s21	2 16	11 10	0 28	14 23	1 36	23 7	0 10	12 10	1 55	23 33	0 13	21 10	1 12	26 10	17 0	23 44	23 44	1 43		n.a.
T 24	10 15	14 34	4 36	0 54	2 13	11 38	0 26	14 11	1 36	23 8	0 11	12 12	1 55	23 33	0 13	21 10	1 12	26 10	17 0	23 44	23 44	1 46		n.a.
F 25	10 37	10 16	4 56	1 28	2 9	12 7	0 23	13 59	1 37	23 10	0 11	12 15	1 55	23 33	0 13	21 9	1 12	26 10	17 0	23 44	23 44	1 49		n.a.
S 26	10 59	5 37	5 3	2 4	2 5	12 35	0 21	13 47	1 37	23 11	0 11	12 17	1 54	23 33	0 13	21 9	1 12	26 10	16 59	23 44	23 44	1 52		n.a.
S 27	11 21	0 46	4 57	2 41	2 0	13 3	0 19	13 35	1 38	23 12	0 11	12 19	1 54	23 33	0 13	21 9	1 12	26 10	16 59	23 43	23 44	1 54		n.a.
M28	11 43	4s 6	4 38	3 19	1 55	13 31	0 16	13 23	1 38	23 14	0 11	12 22	1 54	23 33	0 13	21 9	1 12	26 10	16 59	23 43	23 44	1 57		n.a.
T 29	12 4	8 51	4 7	3 57	1 50	13 58	0 14	13 11	1 39	23 15	0 11	12 24	1 54	23 32	0 13	21 9	1 12	26 10	16 58	23 43	23 44	2 0		n.a.
W30	12 26	13 18	3 25	4 37	1 44	14 25	0 12	12 59	1 39	23 16	0 11	12 26	1 54	23 32	0 13	21 8	1 12	26 10	16 58	23 43	23 44	2 3		n.a.
T 31	12s47	17s16	2n33	5s16	1n38	14s51	0n 9	12n47	1n40	23s17	0s11	12s29	1n54	23n32	0n13	21n 8	1s12	26s10	16s58	23n43	23n44	2s 6		n.a.

Julian Day Number = 1575231.5, Delta T = 04h15m00s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°35'58, Lahiri = - 9°28'58 Julian Calendar 1 Oct. 401 BCE == Greg. Calendar 26 Sept. 401 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

NOVEMBER 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	2 21 5	4♏20'34	9♐11	18♎31	11♏16	1♍38	17♐15	7♏53	19°R31	10°R37	3°R 9	26°R57	28♊39	16♎44	n.a.	F 1
S 2	2 25 1	5°21'37	21°25	20° 1	12°32	2°12	17°27	8° 0	19♊29	10♊35	3♓ 9	26°D55	28°36	16°50	n.a.	S 2
S 3	2 28 58	6°22'42	3♑51	21°31	13°47	2°47	17°39	8° 7	19°27	10°34	3° 8	26♊55	28°32	16°57	n.a.	S 3
M 4	2 32 54	7°23'47	16°31	23° 1	15° 3	3°22	17°51	8°14	19°26	10°33	3° 8	26°56	28°29	17° 4	n.a.	M 4
T 5	2 36 51	8°24'52	29°30	24°32	16°18	3°56	18° 4	8°21	19°24	10°31	3° 7	26°57	28°26	17°11	n.a.	T 5
W 6	2 40 48	9°25'58	12♒51	26° 3	17°33	4°30	18°16	8°28	19°22	10°30	3° 7	26°R57	28°23	17°17	n.a.	W 6
T 7	2 44 44	10°27'05	26°37	27°35	18°49	5° 5	18°29	8°35	19°20	10°29	3° 7	26°56	28°20	17°24	n.a.	T 7
F 8	2 48 41	11°28'12	10♓48	29° 7	20° 4	5°39	18°41	8°42	19°19	10°27	3° 6	26°53	28°17	17°31	n.a.	F 8
S 9	2 52 37	12°29'20	25°24	0♏39	21°20	6°13	18°54	8°49	19°17	10°26	3° 6	26°48	28°13	17°37	n.a.	S 9
S 10	2 56 34	13°30'28	10♈20	2°11	22°35	6°47	19° 7	8°56	19°15	10°24	3° 6	26°41	28°10	17°44	n.a.	S 10
M11	3 0 30	14°31'37	25°29	3°43	23°50	7°22	19°20	9° 3	19°13	10°23	3° 5	26°34	28° 7	17°51	n.a.	M11
T 12	3 4 27	15°32'46	10♉40	5°16	25° 6	7°56	19°33	9°10	19°11	10°21	3° 5	26°28	28° 4	17°58	n.a.	T 12
W13	3 8 24	16°33'56	25°44	6°48	26°21	8°29	19°45	9°17	19° 9	10°20	3° 5	26°23	28° 1	18° 4	n.a.	W13
T 14	3 12 20	17°35'07	10♊31	8°21	27°37	9° 3	19°58	9°24	19° 7	10°18	3° 5	26°20	27°57	18°11	n.a.	T 14
F 15	3 16 17	18°36'19	24°54	9°54	28°52	9°37	20°11	9°31	19° 5	10°17	3° 5	26°D19	27°54	18°18	n.a.	F 15
S 16	3 20 13	19°37'31	8♋50	11°27	0♐ 7	10°11	20°25	9°38	19° 2	10°15	3° 4	26°20	27°51	18°24	n.a.	S 16
S 17	3 24 10	20°38'44	22°17	13° 0	1°23	10°45	20°38	9°45	19° 0	10°14	3° 4	26°21	27°48	18°31	n.a.	S 17
M18	3 28 6	21°39'57	5♌18	14°34	2°38	11°18	20°51	9°52	18°58	10°12	3° 4	26°23	27°45	18°38	n.a.	M18
T 19	3 32 3	22°41'12	17°57	16° 7	3°53	11°52	21° 4	9°59	18°56	10°10	3° 4	26°R24	27°42	18°45	n.a.	T 19
W20	3 35 59	23°42'26	0♍17	17°41	5° 9	12°25	21°17	10° 6	18°54	10° 9	3° 4	26°24	27°38	18°51	n.a.	W20
T 21	3 39 56	24°43'42	12°23	19°15	6°24	12°58	21°31	10°13	18°51	10° 7	3° 4	26°22	27°35	18°58	n.a.	T 21
F 22	3 43 53	25°44'58	24°20	20°49	7°39	13°32	21°44	10°20	18°49	10° 5	3°D 4	26°19	27°32	19° 5	n.a.	F 22
S 23	3 47 49	26°46'14	6♎11	22°24	8°55	14° 5	21°58	10°26	18°47	10° 4	3° 4	26°15	27°29	19°11	n.a.	S 23
S 24	3 51 46	27°47'31	18° 2	23°58	10°10	14°38	22°11	10°33	18°44	10° 2	3° 4	26°10	27°26	19°18	n.a.	S 24
M25	3 55 42	28°48'48	29°54	25°33	11°25	15°11	22°25	10°40	18°42	10° 0	3° 4	26° 5	27°23	19°25	n.a.	M25
T 26	3 59 39	29°50'06	11♏51	27° 8	12°40	15°44	22°38	10°47	18°39	9°59	3° 4	26° 0	27°19	19°32	n.a.	T 26
W27	4 3 35	0♐51'24	23°54	28°43	13°56	16°16	22°52	10°54	18°37	9°57	3° 4	25°56	27°16	19°38	n.a.	W27
T 28	4 7 32	1°52'41	6♐ 5	0♐19	15°11	16°49	23° 6	11° 0	18°34	9°55	3° 4	25°53	27°13	19°45	n.a.	T 28
F 29	4 11 28	2°53'59	18°25	1°55	16°26	17°22	23°19	11° 7	18°32	9°54	3° 5	25°52	27°10	19°52	n.a.	F 29
S 30	4 15 25	3♐55'17	0♑55	3♐31	17♐42	17♍54	23♐33	11♏14	18♊30	9♊52	3♓ 5	25°D51	27♊ 7	19♎58	n.a.	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	13s 8	20s34	1n34	5s56	1n32	15s17	0n 7	12n35	1n40	23s19	0s11	12s31	1n54	23n32	0n13	21n 8	1s12	26s10	16s57	23n42	23n44	2s 9		n.a.
S 2	13 28	22 58	0 30	6 36	1 26	15 43	0 5	12 23	1 41	23 20	0 11	12 33	1 54	23 32	0 13	21 8	1 12	26 10	16 57	23 42	23 44	2 11		n.a.
S 3	13 49	24 19	0s37	7 16	1 19	16 9	0 2	12 11	1 41	23 21	0 11	12 36	1 54	23 32	0 13	21 8	1 12	26 9	16 57	23 42	23 44	2 14		n.a.
M 4	14 9	24 25	1 44	7 56	1 13	16 33	0s 0	11 59	1 42	23 22	0 12	12 38	1 54	23 32	0 13	21 7	1 12	26 9	16 56	23 42	23 44	2 17		n.a.
T 5	14 29	23 13	2 47	8 36	1 6	16 58	0 3	11 46	1 42	23 24	0 12	12 40	1 54	23 32	0 13	21 7	1 12	26 9	16 56	23 42	23 44	2 20		n.a.
W 6	14 49	20 43	3 42	9 16	0 59	17 22	0 5	11 34	1 43	23 25	0 12	12 43	1 54	23 32	0 13	21 7	1 12	26 9	16 56	23 42	23 44	2 23		n.a.
T 7	15 9	16 58	4 27	9 56	0 52	17 45	0 7	11 22	1 43	23 26	0 12	12 45	1 54	23 31	0 13	21 7	1 12	26 9	16 55	23 42	23 44	2 26		n.a.
F 8	15 28	12 10	4 57	10 35	0 46	18 9	0 10	11 9	1 44	23 27	0 12	12 47	1 54	23 31	0 13	21 7	1 12	26 9	16 55	23 42	23 44	2 28		n.a.
S 9	15 47	6 33	5 9	11 14	0 39	18 31	0 12	10 57	1 44	23 28	0 12	12 50	1 54	23 31	0 13	21 6	1 12	26 8	16 55	23 42	23 44	2 31		n.a.
S 10	16 6	0 27	5 0	11 53	0 32	18 53	0 15	10 45	1 45	23 30	0 12	12 52	1 54	23 31	0 13	21 6	1 12	26 8	16 54	23 42	23 44	2 34		n.a.
M11	16 24	5n47	4 31	12 32	0 25	19 15	0 17	10 32	1 45	23 31	0 12	12 54	1 54	23 31	0 13	21 6	1 12	26 8	16 54	23 42	23 44	2 37		n.a.
T 12	16 42	11 42	3 42	13 10	0 18	19 36	0 19	10 20	1 45	23 32	0 12	12 56	1 54	23 31	0 13	21 6	1 12	26 8	16 54	23 42	23 44	2 40		n.a.
W13	17 0	16 52	2 38	13 47	0 11	19 56	0 22	10 7	1 46	23 33	0 12	12 59	1 54	23 31	0 13	21 5	1 12	26 8	16 53	23 42	23 44	2 43		n.a.
T 14	17 18	20 54	1 25	14 24	0 4	20 16	0 24	9 55	1 46	23 34	0 12	13 1	1 54	23 30	0 13	21 5	1 12	26 7	16 53	23 42	23 44	2 46		n.a.
F 15	17 35	23 31	0 8	15 0	0s 3	20 35	0 26	9 43	1 47	23 35	0 13	13 3	1 54	23 30	0 13	21 5	1 12	26 7	16 53	23 42	23 44	2 48		n.a.
S 16	17 52	24 34	1n 8	15 36	0 9	20 54	0 29	9 30	1 47	23 36	0 13	13 5	1 54	23 30	0 13	21 5	1 12	26 7	16 52	23 42	23 44	2 51		n.a.
S 17	18 8	24 7	2 17	16 11	0 16	21 12	0 31	9 18	1 48	23 37	0 13	13 8	1 54	23 30	0 13	21 5	1 12	26 7	16 52	23 42	23 44	2 54		n.a.
M18	18 25	22 21	3 17	16 46	0 22	21 30	0 33	9 5	1 48	23 38	0 13	13 10	1 54	23 30	0 13	21 4	1 12	26 6	16 52	23 42	23 43	2 57		n.a.
T 19	18 41	19 31	4 5	17 20	0 29	21 47	0 36	8 53	1 49	23 39	0 13	13 12	1 54	23 30	0 13	21 4	1 12	26 6	16 51	23 42	23 43	3 0		n.a.
W20	18 56	15 53	4 41	17 53	0 35	22 3	0 38	8 40	1 49	23 40	0 13	13 14	1 54	23 29	0 13	21 4	1 12	26 6	16 51	23 42	23 43	3 3		n.a.
T 21	19 11	11 39	5 3	18 25	0 41	22 19	0 40	8 28	1 50	23 41	0 13	13 16	1 54	23 29	0 13	21 4	1 12	26 5	16 50	23 42	23 43	3 5		n.a.
F 22	19 26	7 3	5 12	18 57	0 47	22 34	0 42	8 15	1 50	23 42	0 13	13 18	1 54	23 29	0 13	21 3	1 12	26 5	16 50	23 42	23 43	3 8		n.a.
S 23	19 41	2 13	5 8	19 28	0 53	22 48	0 45	8 3	1 51	23 43	0 13	13 21	1 54	23 29	0 13	21 3	1 12	26 5	16 50	23 41	23 43	3 11		n.a.
S 24	19 55	2s42	4 50	19 57	0 59	23 2	0 47	7 50	1 52	23 44	0 13	13 23	1 54	23 29	0 13	21 3	1 12	26 4	16 49	23 41	23 43	3 14		n.a.
M25	20 9	7 32	4 20	20 26	1 5	23 15	0 49	7 38	1 52	23 45	0 14	13 25	1 54	23 28	0 13	21 3	1 12	26 4	16 49	23 41	23 43	3 17		n.a.
T 26	20 22	12 7	3 38	20 54	1 10	23 27	0 51	7 25	1 53	23 46	0 14	13 27	1 54	23 28	0 13	21 2	1 12	26 4	16 49	23 41	23 43	3 20		n.a.
W27	20 35	16 18	2 47	21 21	1 15	23 38	0 53	7 13	1 53	23 47	0 14	13 29	1 54	23 28	0 13	21 2	1 12	26 3	16 48	23 41	23 43	3 23		n.a.
T 28	20 48	19 51	1 47	21 47	1 21	23 49	0 55	7 0	1 54	23 47	0 14	13 31	1 54	23 28	0 13	21 2	1 12	26 3	16 48	23 41	23 43	3 25		n.a.
F 29	21 0	22 33	0 41	22 12	1 25	23 59	0 57	6 48	1 54	23 48	0 14	13 33	1 54	23 28	0 13	21 2	1 12	26 2	16 48	23 41	23 43	3 28		n.a.
S 30	21s12	24s12	0s28	22s36	1s30	24s 9	0s59	6n36	1n55	23s49	0s14	13s35	1n54	23n27	0n13	21n 1	1s12	26s 2	16s47	23n41	23n43	3s31		n.a.

Julian Day Number = 1575262.5, Delta T = 04h14m59s
Ecliptic obliquity = 23°44'38, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°35'54, Lahiri = - 9°28'53 Julian Calendar 1 Nov. 401 BCE == Greg. Calendar 27 Oct. 401 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 401 BCE
geocentric

DECEMBER 401 BCE (-400) JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	4 19 22	4♐56'35	13♑36	5♐ 8	18♐57	18♍26	23♐47	11♏20	18°R27	9°R50	3♓ 5	25♊52	27♊ 3	20♎ 5	n.a.	S 1
M 2	4 23 18	5°57'52	26°31	6°45	20°12	18°59	24° 1	11°27	18♊25	9♊49	3° 5	25°54	27° 0	20°12	n.a.	M 2
T 3	4 27 15	6°59'09	9♒40	8°22	21°27	19°31	24°15	11°33	18°22	9°47	3° 5	25°55	26°57	20°19	n.a.	T 3
W 4	4 31 11	8° 0'25	23° 5	10° 0	22°42	20° 3	24°28	11°40	18°19	9°45	3° 6	25°56	26°54	20°25	n.a.	W 4
T 5	4 35 8	9° 1'41	6♓47	11°38	23°58	20°35	24°42	11°47	18°17	9°44	3° 6	25°R57	26°51	20°32	n.a.	T 5
F 6	4 39 4	10° 2'56	20°47	13°17	25°13	21° 7	24°56	11°53	18°14	9°42	3° 6	25°57	26°48	20°39	n.a.	F 6
S 7	4 43 1	11° 4'11	5♈ 5	14°56	26°28	21°38	25°10	11°59	18°12	9°40	3° 7	25°56	26°44	20°45	n.a.	S 7
S 8	4 46 58	12° 5'24	19°36	16°35	27°43	22°10	25°24	12° 6	18° 9	9°38	3° 7	25°54	26°41	20°52	n.a.	S 8
M 9	4 50 54	13° 6'38	4♉18	18°14	28°58	22°41	25°38	12°12	18° 7	9°37	3° 7	25°52	26°38	20°59	n.a.	M 9
T 10	4 54 51	14° 7'50	19° 5	19°54	0♑13	23°13	25°52	12°19	18° 4	9°35	3° 8	25°51	26°35	21° 6	n.a.	T 10
W11	4 58 47	15° 9'02	3♊48	21°35	1°28	23°44	26° 6	12°25	18° 1	9°33	3° 8	25°50	26°32	21°12	n.a.	W11
T 12	5 2 44	16°10'14	18°20	23°15	2°43	24°15	26°20	12°31	17°59	9°32	3° 9	25°49	26°29	21°19	n.a.	T 12
F 13	5 6 40	17°11'25	2♋37	24°56	3°58	24°46	26°34	12°37	17°56	9°30	3° 9	25°D49	26°25	21°26	n.a.	F 13
S 14	5 10 37	18°12'36	16°32	26°38	5°13	25°17	26°49	12°43	17°54	9°28	3°10	25°50	26°22	21°32	n.a.	S 14
S 15	5 14 33	19°13'46	0♌ 3	28°19	6°29	25°48	27° 3	12°50	17°51	9°27	3°10	25°50	26°19	21°39	n.a.	S 15
M16	5 18 30	20°14'55	13°11	0♑ 1	7°44	26°18	27°17	12°56	17°48	9°25	3°11	25°51	26°16	21°46	n.a.	M16
T 17	5 22 27	21°16'04	25°56	1°42	8°59	26°49	27°31	13° 2	17°46	9°23	3°11	25°51	26°13	21°53	n.a.	T 17
W18	5 26 23	22°17'13	8♍21	3°24	10°13	27°19	27°45	13° 8	17°43	9°22	3°12	25°52	26° 9	21°59	n.a.	W18
T 19	5 30 20	23°18'20	20°31	5° 5	11°28	27°49	27°59	13°14	17°41	9°20	3°13	25°R52	26° 6	22° 6	n.a.	T 19
F 20	5 34 16	24°19'28	2♎30	6°46	12°43	28°19	28°13	13°19	17°38	9°18	3°13	25°52	26° 3	22°13	n.a.	F 20
S 21	5 38 13	25°20'35	14°22	8°27	13°58	28°49	28°28	13°25	17°35	9°17	3°14	25°D52	26° 0	22°19	n.a.	S 21
S 22	5 42 9	26°21'41	26°13	10° 7	15°13	29°19	28°42	13°31	17°33	9°15	3°15	25°52	25°57	22°26	n.a.	S 22
M23	5 46 6	27°22'46	8♏ 7	11°46	16°28	29°48	28°56	13°37	17°30	9°14	3°15	25°52	25°54	22°33	n.a.	M23
T 24	5 50 2	28°23'51	20° 7	13°24	17°43	0♎17	29°10	13°42	17°28	9°12	3°16	25°52	25°50	22°40	n.a.	T 24
W25	5 53 59	29°24'55	2♐17	15° 0	18°58	0°47	29°24	13°48	17°25	9°10	3°17	25°53	25°47	22°46	n.a.	W25
T 26	5 57 56	0♑25'58	14°38	16°34	20°13	1°16	29°39	13°54	17°23	9° 9	3°17	25°53	25°44	22°53	n.a.	T 26
F 27	6 1 52	1°27'00	27°14	18° 5	21°27	1°44	29°53	13°59	17°20	9° 7	3°18	25°R53	25°41	23° 0	n.a.	F 27
S 28	6 5 49	2°28'01	10♑ 4	19°34	22°42	2°13	0♑ 7	14° 4	17°18	9° 6	3°19	25°53	25°38	23° 6	n.a.	S 28
S 29	6 9 45	3°29'01	23° 8	20°59	23°57	2°42	0°21	14°10	17°15	9° 4	3°20	25°52	25°35	23°13	n.a.	S 29
M30	6 13 42	4°29'59	6♒27	22°20	25°12	3°10	0°36	14°15	17°13	9° 3	3°21	25°51	25°31	23°20	n.a.	M30
T 31	6 17 38	5♑30'56	19♒58	23♑37	26♑26	3♎38	0♑50	14♏20	17♊10	9♊ 1	3♓22	25♊50	25♊28	23♎27	n.a.	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat
S 1	21s24	24s38	1s36	22s59	1s35	24s17	1s 1	6n23	1n55	23s50	0s14	13s37	1n54	23n27	0n13	21n 1	1s12	26s 2	16s47	23n41	23n43	3s34			n.a.
M 2	21 35	23 45	2 41	23 20	1 39	24 25	1 3	6 11	1 56	23 51	0 14	13 39	1 54	23 27	0 13	21 1	1 12	26 1	16 46	23 41	23 43	3 37			n.a.
T 3	21 45	21 34	3 39	23 40	1 43	24 32	1 5	5 59	1 56	23 51	0 14	13 41	1 54	23 27	0 13	21 1	1 12	26 1	16 46	23 41	23 42	3 40			n.a.
W 4	21 55	18 10	4 26	23 59	1 46	24 39	1 6	5 46	1 57	23 52	0 14	13 43	1 54	23 27	0 13	21 0	1 12	26 0	16 46	23 41	23 42	3 43			n.a.
T 5	22 5	13 45	4 59	24 17	1 50	24 44	1 8	5 34	1 57	23 53	0 14	13 45	1 54	23 26	0 13	21 0	1 12	26 0	16 45	23 41	23 42	3 45			n.a.
F 6	22 14	8 30	5 15	24 33	1 53	24 49	1 10	5 22	1 58	23 53	0 15	13 47	1 54	23 26	0 13	21 0	1 12	25 59	16 45	23 41	23 42	3 48			n.a.
S 7	22 23	2 43	5 12	24 48	1 56	24 53	1 12	5 10	1 58	23 54	0 15	13 49	1 54	23 26	0 13	21 0	1 12	25 59	16 45	23 41	23 42	3 51			n.a.
S 8	22 32	3n18	4 50	25 1	1 58	24 57	1 13	4 57	1 59	23 55	0 15	13 51	1 54	23 26	0 13	20 59	1 12	25 58	16 44	23 41	23 42	3 54			n.a.
M 9	22 40	9 14	4 8	25 12	2 0	24 59	1 15	4 45	1 59	23 55	0 15	13 53	1 54	23 26	0 13	20 59	1 12	25 58	16 44	23 41	23 42	3 57			n.a.
T 10	22 47	14 40	3 10	25 23	2 2	25 1	1 16	4 33	2 0	23 56	0 15	13 55	1 54	23 25	0 13	20 59	1 12	25 58	16 44	23 41	23 42	4 0			n.a.
W11	22 54	19 14	1 59	25 31	2 3	25 2	1 18	4 21	2 0	23 56	0 15	13 57	1 54	23 25	0 13	20 59	1 12	25 57	16 43	23 41	23 42	4 3			n.a.
T 12	23 1	22 32	0 41	25 38	2 4	25 2	1 19	4 9	2 1	23 57	0 15	13 59	1 54	23 25	0 13	20 58	1 12	25 57	16 43	23 41	23 42	4 5			n.a.
F 13	23 7	24 21	0n38	25 43	2 4	25 1	1 20	3 57	2 1	23 57	0 15	14 1	1 54	23 25	0 13	20 58	1 12	25 56	16 43	23 41	23 42	4 8			n.a.
S 14	23 13	24 34	1 52	25 46	2 4	25 0	1 22	3 45	2 2	23 58	0 15	14 2	1 54	23 24	0 13	20 58	1 12	25 56	16 42	23 41	23 42	4 11			n.a.
S 15	23 18	23 18	2 59	25 48	2 4	24 58	1 23	3 33	2 2	23 58	0 15	14 4	1 54	23 24	0 13	20 58	1 12	25 55	16 42	23 41	23 42	4 14			n.a.
M16	23 23	20 48	3 54	25 47	2 3	24 55	1 24	3 22	2 3	23 58	0 16	14 6	1 54	23 24	0 13	20 58	1 12	25 54	16 42	23 41	23 41	4 17			n.a.
T 17	23 27	17 20	4 35	25 45	2 1	24 51	1 25	3 10	2 3	23 59	0 16	14 8	1 54	23 24	0 13	20 57	1 12	25 54	16 41	23 41	23 41	4 20			n.a.
W18	23 31	13 12	5 3	25 41	1 59	24 47	1 26	2 58	2 4	23 59	0 16	14 10	1 55	23 23	0 13	20 57	1 12	25 53	16 41	23 41	23 41	4 23			n.a.
T 19	23 34	8 38	5 16	25 35	1 56	24 42	1 27	2 46	2 4	24 0	0 16	14 11	1 55	23 23	0 13	20 57	1 12	25 53	16 40	23 41	23 41	4 25			n.a.
F 20	23 37	3 48	5 15	25 27	1 53	24 35	1 28	2 35	2 5	24 0	0 16	14 13	1 55	23 23	0 13	20 57	1 12	25 52	16 40	23 41	23 41	4 28			n.a.
S 21	23 40	1s 7	5 1	25 17	1 49	24 29	1 29	2 23	2 5	24 0	0 16	14 15	1 55	23 23	0 13	20 56	1 12	25 52	16 40	23 41	23 41	4 31			n.a.
S 22	23 42	6 0	4 34	25 5	1 44	24 21	1 30	2 12	2 6	24 0	0 16	14 16	1 55	23 23	0 13	20 56	1 12	25 51	16 39	23 41	23 41	4 34			n.a.
M23	23 43	10 41	3 55	24 51	1 38	24 13	1 31	2 0	2 6	24 1	0 16	14 18	1 55	23 22	0 13	20 56	1 12	25 51	16 39	23 41	23 41	4 37			n.a.
T 24	23 44	15 1	3 6	24 35	1 32	24 4	1 31	1 49	2 7	24 1	0 16	14 20	1 55	23 22	0 13	20 56	1 12	25 50	16 39	23 41	23 41	4 40			n.a.
W25	23 45	18 48	2 7	24 18	1 25	23 54	1 32	1 38	2 7	24 1	0 16	14 21	1 55	23 22	0 13	20 55	1 12	25 49	16 39	23 41	23 41	4 43			n.a.
T 26	23 45	21 49	1 2	23 58	1 17	23 44	1 33	1 26	2 8	24 1	0 17	14 23	1 55	23 22	0 14	20 55	1 12	25 49	16 38	23 41	23 40	4 46			n.a.
F 27	23 44	23 50	0s 7	23 37	1 8	23 32	1 33	1 15	2 8	24 1	0 17	14 24	1 55	23 21	0 14	20 55	1 12	25 48	16 38	23 41	23 40	4 48			n.a.
S 28	23 43	24 39	1 18	23 15	0 58	23 21	1 34	1 4	2 9	24 1	0 17	14 26	1 55	23 21	0 14	20 55	1 12	25 48	16 38	23 41	23 40	4 51			n.a.
S 29	23 42	24 7	2 25	22 52	0 47	23 8	1 34	0 53	2 9	24 1	0 17	14 27	1 55	23 21	0 14	20 55	1 12	25 47	16 37	23 41	23 40	4 54			n.a.
M30	23 40	22 13	3 26	22 27	0 36	22 55	1 34	0 42	2 10	24 2	0 17	14 29	1 55	23 21	0 14	20 54	1 12	25 46	16 37	23 41	23 40	4 57			n.a.
T 31	23s38	19s 4	4s17	22s 2	0s23	22s41	1s34	0n31	2n10	24s 2	0s17	14s30	1n56	23n20	0n14	20n54	1s12	25s46	16s37	23n41	23n40	5s 0			n.a.

Julian Day Number = 1575292.5, Delta T = 04h14m58s
Ecliptic obliquity = 23°44'37, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = - 8°35'50, Lahiri = - 9°28'49 Julian Calendar 1 Dec. 401 BCE == Greg. Calendar 26 Nov. 401 BCE

The year -400 astronomical counting style corresponds to year 401 B.C.E historical counting style.

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]